CAL. GAZE.
APR. — DEC.
1909.

Librarian
Uttarpara Joykrishna Public Library
Govt. of West Bengal

REGISTERED No. C 209.]

No. 15 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, APRIL 14, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Weather and Crop Report for the week ending the 12th April 1909 ... ... ... ... ... ... | 554—559 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 31st March 1909 ... | 560—567 |
| Railway Returns ... ... ... ... ... ... | 568—573 |

## WEATHER AND CROP REPORT.

*For the week ending the 12th April 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·88 | 9½ | 9¾ | Weather hot. Lands being manured and prepared for early rice. Planting of sugarcane going on. No cattle-disease. Fodder sufficient. Scarcity of water reported in some villages in the Katwa subdivision. |
| 2 | BIRBHUM ... | 0·01 | 9½ | 9½ | Rainfall at Rampur Hât *nil*. Weather seasonable. Common rice selling at 9 seers per rupee at Rampur Hât. Dearth of water in some places in the subdivision. Fodder sufficient. |
| 3 | BANKURA ... | 0·15 | 10½ | 10½ | Rainfall at Vishnupur 0·63 inch. Weather seasonable. More rain wanted. Lands being prepared for the cultivation of the sugarcane crop. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 0·79 | ... | 10 | Planting of sugarcane continuing. Prospects of summer rice fair, except in the Ghatal subdivision. Expected outturn of rape and mustard estimated at 75 per cent. Cattle-disease in thanas Kharagpur, Narayangarh and Keshiari. Fodder and water not sufficient. Common rice selling at 12 seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 9 | 9 | Weather seasonable. Stocks of food-grains sufficient till next harvest. No likelihood of scarcity at present. Prices of food-grains stationary. Fodder and water sufficient. More rain wanted. No cattle-disease. |
| 6 | HOWRAH ... | ... | 8 | 8 | Slight rain at the Sadar subdivision. Weather hot. Sky cloudy at the end of the week. Prospects of *boro* rice gloomy; those of *rabi* crops fair. Rain badly wanted. No cattle-disease reported. Condition of agricultural stock fair. Fodder and water sufficient. |
| 7 | 24-PARGANAS | Nil | 9¾ | 9¾ | Weather hot and cloudy. Rain wanted everywhere. Common rice selling at 8 seers per rupee at Barasat, 10 seers at Basirhat and Diamond Harbour and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 0·40 | 9 11/16 | 9¼ | Rainfall at Kushtia 2·35, Chuadanga 1·25, Meherpur 0·63 and at Ranaghat 0·42 inches. Lands being prepared for *bhadoi* paddy and jute. Sowings of early crops commenced. Prices of staple food-grains fallen. Stocks of food-grains sufficient. Cattle-disease prevailing in thanas Gangani, Karimpore and Tehatta. Fodder sufficient. Water scarcity threatening. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 1·15 | 9½ | 9½ | Heavy shower of rain at the Sadar subdivision during the week. More rain wanted at the Lalbagh, Kandi and Jangipur subdivisions. Harvesting of *rabi* crops over in the Kandi subdivision, but continuing in the Jangipur and Lalbagh subdivisions. Condition of agricultural stock good in the Lalbagh subdivision and fair at Kandi subdivision. Fodder sufficient, but scarcity of drinking water still felt in the Bhagawangola and Sagardighi thanas. Cattle-disease reported from the Bharatpore and Kandi thanas. |
| 10 | JESSORE ... | 0·22 | 9 3/16 | 9 3/16 | Rainfall at Jhenida 0·80, Magura 2·02 and at Narail 0·47 inches. Weather seasonable. Fall general but insufficient. More rain wanted. Fodder and water insufficient. Cattle-disease reported from the Jhenida, Narail and Sadar subdivisions. Condition of agricultural stock good. Report from Bongaon not received. |
| 11 | KHULNA ... | 0·59 | 10 | 10 | Rainfall at Satkhira 2·30 inches and at Bagerhat *nil*. Weather cloudy with occasional slight rain. Prices of staple food-grains almost stationary. Stocks of food-grains sufficient till next harvest. No apprehension of famine. No cattle-disease. Fodder and water insufficient in some places. |
| 12 | PATNA ... | Nil | 9¼<br>15¾* | 9½<br>15¾* | Weather hot and cloudy. Harvesting of *rabi* crops approaching completion. Planting of sugarcane in progress. Food-stock resources supplemented by imports. No cattle-disease. Fodder and water for cattle available with difficulty in the Bihar subdivision. |
| 13 | GAYA ... | Nil | 10 9/16†<br>15⅜* | 10 11/16<br>14 5/16* | Weather hot, occasionally cloudy. Harvesting of *rabi* crops almost finished. The price of *makai* fallen. Fodder and water for cattle sufficient, except in parts of the Nawadah and Aurangabad subdivisions. No cattle-disease reported. |
| 14 | SHAHABAD ... | Nil | 9½<br>15* | 9<br>14* | Harvesting of *rabi* crops nearly finished. Planting of sugarcane and threshing of *rabi* crops continuing. Prices of food-grains stationary. Food-stocks below normal. Agricultural stock in normal condition. Fodder and water sufficient. |
| 15 | SARAN ... | ... | 10<br>15½* | 10⅛<br>15¼* | Threshing of *rabi* crops still going on. Prices of staple food-crops stationary. Food-stock resources external. Agricultural stock in fair condition. No cattle-disease. Fodder and water sufficient. |
| 16 | CHAMPARAN ... | Nil | 9<br>15½* | 8 9/16<br>16* | Weather hot. Harvesting of *rabi* crops going on. Condition of agricultural stock moderate. No cattle-disease. Fodder scarce. Arrangements being made for excavation of tanks for water-supply for cattle. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. This week. | Price of common rice in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 17 | MUZAFFARPUR | Nil | 9<br>15* | 9<br>15* | Weather seasonable. Common rice and maize selling at 8¼ and 15 seers a rupee, respectively, at Hajipur and at 8¼ and 14¾ seers a rupee, respectively, at Sitamarhi. Harvesting of *rabi* crops almost completed. Early sowings commenced in some places. Cattle-disease reported in Belsand and Pupri thanas. Fodder sufficient at present. Water running short in many places, but tanks being dug and wells bored. Scarcity existing in parts of the Sitamarhi subdivision. Number of persons on test-works on the 10th April—162 men, 133 women and 41 children—total 336. Number of persons on gratuitous relief and in poor-houses on the 8th April—474. |
| 18 | DARBHANGA ... | Nil | 8½<br>13½* | 8½<br>13½* | Weather seasonable. Winnowing of *rabi* crops in progress at places. Food-stocks sufficient. Cattle-disease reported in three villages. Fodder available. Water-supply deficient, but measures being taken to meet requirements. Number of persons on relief-works on the 8th April—60,606; the number gratuitously relieved, 23,638. Maize selling at 13½ seers a rupee at the Sadar subdivision, but dearer in the interior. |
| 19 | MONGHYR ... | Nil | 8½<br>13½* | 8½<br>13½* | Weather seasonable. Harvesting of *rabi* crops and sowing of paddy still going on. Prices of staple food-grains almost stationary. Cattle-disease reported from Ballia thana. Fodder and water scarce in some places in the Jamui subdivision. |
| 20 | BHAGALPUR ... | Nil | 8⅞<br>13⅞* | 8⅞<br>13⅞* | Weather seasonable with hot and rough winds during night. Rain urgently wanted for sowing of early crops. Harvesting of *rabi* crops about to be finished. Outturn poor except in the *diaras* and on irrigated lands. Cattle-disease reported from Dogmara and Daparkha in the Supaul subdivision. Prices of food-grains stationary. Fodder and water sufficient. 132 men, 361 women and 358 children—total 851—gratuitously relieved in the Madhipura subdivision, and 218 men, 782 women and 1,184 children—total 2,184—in the Supaul subdivision. 165 men, 150 women and 70 children—total 395—on test-works in the Madhipura subdivision, and 620 men, 404 women and 99 children—total 1,123—in the Supaul subdivision, besides a large number on private works. |
| 21 | PURNEA ... | Nil | 10†<br>12* | 10†<br>12* | Weather hot and cloudy with occasional east wind. Harvesting of wheat in progress. Rain very urgently required for agricultural operations. Sowings of *bhadoi* and broadcast *aghani* paddy retarded for want of rain. Scarcity of fodder and water complained of throughout the district. Condition of agricultural stock fair. No cattle-disease reported. Stocks of food-grains adequate on account of heavy imports. 114 men, 290 women and 7 children—total 411—relieved gratuitously. Common rice (local) selling at 8 seers a rupee at the Sadar and Araria subdivisions and at 7½ seers a rupee at Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 1·03 | 8<br>14* | 8<br>14* | Weather seasonable. Hills—Wheat, barley and mustard being harvested. Maize and potatoes being sown. Terai—Slight rainfall during the week. Harvesting of potatoes, sugarcane and tobacco completed. Ploughing of fields for *bhadoi* paddy and jute going on. Prices of food-grains stationary. No famine apprehended. |
| 23 | SONTHAL PARGANAS. | ... | $10\frac{9}{16}$<br>12* | $10\frac{9}{16}$<br>12* | Weather hot and cloudy. Rainfall at Pakour 0·03 inch. Prospects of *rabi* crops in the Godda and Rajmahal subdivisions not favourable. Prospects of *mahua* good. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Fodder and water insufficient in the Godda, Pakour and Rajmahal subdivisions. |
| 24 | CUTTACK ... | 0·39 | $11\frac{5}{32}$ | $11\frac{5}{32}$ | Rainfall at Jajpur 0·01 and at Banki 0·06 inch. Harvesting of *dalua* paddy and tobacco in progress. Sugarcane growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 1·25 | 12 | 12 | Rainfall at Bhadrak 0·08 inch. Weather seasonable and cloudy. *Dalua* paddy in ear. Ploughing of fields and planting of sugarcane continuing. Vegetables doing well. Fodder and water and food-stocks sufficient. Common rice selling at 13 seers per rupee at Bhadrak. |
| 26 | ANGUL ... | Nil | 15 | 15 | Rainfall at Phulbani 0·10 inch. Weather cloudy. Condition of agricultural stock good. Common rice selling at 10½ seers per rupee at the Khondmals. Fodder and water available. |
| 27 | PURI ... | 0·06 | $9\frac{3}{16}$ | $9\frac{3}{16}$ | Rainfall at Khurda 0·56 inch. Sugarcane thriving. *Dalua* paddy, *mung* and castor being harvested. Common rice selling at 10½ seers per rupee at Khurda. 27 men, 111 women and 230 children—total 368—attending kitchens; 12 men, 158 women and 6 children—total 176—receiving gratuitous relief. |
| 28 | SAMBALPUR ... | Nil | 10½ | 12½ | Weather occasionally cloudy. Fields being ploughed and prepared for the next harvest. Sugarcane plants being manured and watered. Condition of vegetables good. Stocks of food-grains and the fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest and pleuro-pneumonia reported. Common rice selling at 14 seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | Nil | 8½<br>12* | 8½<br>12* | Weather cloudy. Prospects of standing crops good. Falling of *mahua* continuing. Fodder and water and food-stocks sufficient. |
| 30 | RANCHI ... | 0·02 | 9 | 9 | Weather hot and cloudy. Ploughing and manuring in progress. *Tewa dhan* doing well. Cattle-disease reported from seven thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 9 | 9 | Weather hot and cloudy. Harvesting of *rabi* crops continuing. Sugarcane doing well. *Mahua* falling. Fodder and water available. Some cattle-disease. 280 persons on gratuitous relief from the District Board funds in pargana Japla. |
| 32 | MANBHUM ... | 0·01 | 11 | 11 | Weather seasonable. State of standing crops good. *Mahua* ripe and still falling. Fodder and water sufficient. Cattle-disease reported from thana Gobindpur. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | ... | ... | 9 | Report not received. |
| 34 | COOCH BEHAR | 4·07 | 8 | 8 | Weather seasonable. Sowing of jute continuing. Much good done to the standing crops by the recent rain. Prices of staple food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Daspalla ... ... 0·72<br>Mayurbhanj ... 0·11<br>Dhenkanal ... ... 0·25<br>Nayagarh ... ... 0·40<br>Kalahandi ... ... 0·51<br>Nilgiri ... ... 0·01<br>Weather seasonable. The estimated outturn of *mahua* 16 annas in Mayurbhanj. Harvesting of wheat in progress in Narsingpur, of *mung* in Pal-Lahara and Nayagarh, and of castor in Athmallik. Sugarcane growing well in Athgarh, Ranpur, Dhenkanal and Nayagarh and being planted in Baud, Kalahandi, and Patna. The recent rainfall has been beneficial for ploughing of lands for the next season's crops in Daspalla, Mayurbhanj, Dhenkanal, Nayagarh, Kalahandi and Nilgiri. Fodder and water sufficient. Price of rice varying from 9 seers in Keonjhar and 12 seers in Mayurbhanj and Narsingpur to 17 seers in Patna and 18 seers in Talcher. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 3rd April 1909.

GENERAL SUMMARY.—Rain fell in almost all the districts of the Burdwan, Presidency and Orissa Divisions and also in Darjeeling, the Sonthal Parganas, Ranchi, Manbhum and Cooch Bihar. In Cooch Bihar the fall was 4·07 inches and in Nadia, Murshidabad, Jessore, Khulna, Darjeeling and Balasore, it was between 1 and 2·5 inches. In other districts from which the rainfall has been reported the fall was below an inch. Preparation of lands for the autumn crops continues and sowings have commenced in Nadia, Muzaffarpur, Monghyr and Cooch Bihar, but more rain is urgently needed both for ploughing and sowing. The planting of sugarcane is still going on in many districts. The harvesting of *rabi* crops is approaching completion. Prospects are poor in the unirrigated tracts of North Bihar. Standing crops are doing well in Orissa and Chota Nagpur. The price of common rice has risen in Burdwan, Patna, Gaya, Saran and Sambalpur and it has fallen in Nadia, Shahabad and Champaran. Cattle-disease is reported from Midnapore, Nadia, Murshidabad, Jessore, Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, Sambalpur, Ranchi, Palamau and Manbhum. Reports of insufficiency of fodder have again been received from Midnapore, Jessore, Khulna, Gaya, Champaran, Monghyr, Purnea and the Sonthal Parganas. The water-supply is yet scarce in parts of the Burdwan and Presidency Divisions and in North Bihar. Measures are being taken for the excavation of tanks and for the boring of wells in North Bihar. 1,854 persons were on test-works in Muzaffarpur and Bhagalpur. The famine relief-works in Darbhanga were attended by 60,606 persons. 27,838 persons were relieved gratuitously in Muzaffarpur, Darbhanga, Bhagalpur, Purnea and Palamau and 544 persons in Puri.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 13th April 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu. (*Penniseum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **BENGAL.** | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan .. | ... | ... | ... | ... | ... | ... | 9 11 | 10 0 | 7 0 | 10 4 | 10 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum ... | 7 8 | 7 8 | 8 0 | ... | ... | ... | 10 0 | 9 6 | 7 8 | 10 0 | 9 6 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 8 8 | 8 8 | 8 8 | ... | ... | ... | 10 0 | 9 8 | 7 4 | 10 8 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 6 8 | 9 0 | ... | ... | ... | 10 8 | 10 14 | 7 7 | 11 1 | 11 7 | 7 11 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly ... | ... | ... | Not sold | ... | ... | ... | 8 8 | 8 8 | 6 8 | 9 0 | 9 8 | 7 0 | ... | | ... | ... | ... | ... |
| | 6 | Howrah ... | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 7 4 | 8 0 | 8 0 | 8 0 | ... | . | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | 8 0 | 8 0 | 7 8 | ... | ... | ... | 8 8 | 9 0 | 7 8 | 10 0 | 10 4 | 8 4 | ... | ... | .. | ... | ... | ... |
| | 8 | Calcutta ... | 7 6 | 7 4 | 7 0 | 12 10 | 12 10 | 9 0 | 7 12 | 7 12 | 6 0 | 10 0 | 10 0 | 8 6 | — | ... | ... | 14 0 | 14 0 | 7 0 |
| | 9 | Nadia ... | 10 0 | 8 0 | 10 0 | 11 12 | 11 12 | 12 4 | 9 0 | 9 2 | 7 0 | 9 4 | 9 2 | 7 4 | ... | ... | ... | ... | — | ... |
| | 10 | Murshidabad | 11 0 | 10 8 | 10 0 | 15 0 | 13 8 | 15 0 | 8 4 | 9 0 | 7 8 | 9 8 | 10 0 | 8 4 | ... | ... | .. | .. | ... | ... |
| | 11 | Jessore ... | 6 8 | 6 8 | 6 8 | 7 8 | 7 0 | 0 | 8 3 | 7 13 | 7 10 | 9 2 | 9 2 | 8 0 | ... | ... | ... | .. | ... | ... |
| | 12 | Khulna ... | ... | ... | ... | ... | ... | ... | 9 8 | 9 0 | 8 8 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | **BIHAR.** | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 9 8 | New 9 0 | [illegible] | [illegible] 8 | New 18 8 | 12 0 | 9 8 | 9 8 | 7 12 | 10 4 | 10 12 | 9 0 | Not sold. | 16 4 | 9 8 | ... | ... | ... |
| | 14 | Gaya ... | 10 4 | 9 3 | 8 0 | 14 5 | 16 6 | 9 8 | 9 8 | 9 8 | 7 0 | 10 10 | Rangoon. 10 12 | 7 12 | 14 5 | 15 6 | 9 0 | ... | ... | ... |
| | 15 | Shahabad ... | 9 0 | 8 0 | 8 0 | 14 0 | 14 0 | 11 0 | 9 8 | 9 8 | 7 8 | 9 8 | 9 8 | 8 8 | ... | ... | .. | ... | ... | — |
| Tirhut Division. | 16 | Saran ... | 9 12 | 9 0 | 7 8 | 16 0 | 16 0 | 12 0 | 9 0 | 9 0 | 7 0 | 10 4 | 10 0 | 8 8 | ... | ... | ... | ... | — | — |
| | 17 | Champaran ... | 8 0 | 8 0 | 6 4 | 17 0 | 17 0 | 14 0 | 8 8 | 8 0 | 7 4 | 9 0 | 9 0 | 8 0 | ... | ... | ... | ... | ... | — |
| | 18 | Muzaffarpur ... | 8 0 | 8 0 | 8 0 | 12 0 | 12 0 | 14 0 | 6 0 | 6 8 | 7 0 | 9 0 | Rangoon. 10 0 / Local 9 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 7 11 | 7 11 | 7 1½ | 15 6 | 17 9 | 8 12 | 7 11 | 7 0 | 7 11 | 8 8 | 8 8 | 8 13 | ... | ... | ... | ... | ... | ... |

A. In the subdivisions the retail prices of salt per rupee are—Katwa 18 1/16 seers; Asansol 21 seers; Kalna 22½ seers; Raniganj 21 seers.
B. At Rampur Hât the retail price of salt is 22 seers per rupee.
C. At Vishnupur the retail price of salt is 22 seers per rupee.
D. In the subdivisions the retail prices of salt per rupee are—Contai 20 seers; Tamluk 20 seers; Ghatal report not received.
E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers; Arambagh 16 seers.
F. At Ulubaria the retail price of salt is 20 seers per rupee (panga).
G. In the marts in the interior of the district the retail prices of salt per rupee are—Chatia 22 seers (karkatch); Barasat 16 seers, Baduria 21 3/16 seers; Mograhat 21 seers; Vishnupur 16 seers; Barrackpore 16 seers.
H. In the subdivisions the retail prices of salt per rupee are—Kushtia 21 seers (panga); Chuadanga 16 seers (karkatch); Meherpur 20 seers (karkatch); Ranaghat 20 seers (crushed).

## *Station Bazars of the districts of Bengal on the 31st March 1909.*

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KHALAY OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR TUR, CAJAN PEA (*Cajanus indicus*) | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 9 4 | ... | ... | ... | 9 8 | 10 0 | 8 0 | A 21 0 | 21 0 | 19 0 | 1 12 0 | 1 12 0 | 1 13 0 | | | | 1 |
| ... | ... | ... | ... | ... | ... | 12 0 | New 12 0 Old 8 4 | 6 0 | ... | ... | ... | 7 8 | 7 8 | 6 0 | B 20 0 | 20 0 | 16 0 | 1 15 0 | 1 14 0 | 2 6 6 | | | | 2 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 8 | ... | ... | ... | 8 4 | 8 4 | 8 0 | C 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | | | | 3 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 9 0 to 10 0 | ... | ... | ... | 7 0 | 7 0 | 7 0 | D 20 0 / 19 0 | Crushed 20 0 / Bombay 19 0 | 20 0 / 18 8 | 1 12 0 / 1 14 0 | Crushed 1 12 0 / Bombay 1 14 0 | 1 12 0 / 2 0 0 | | | | 4 |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 0 | 7 0 | ... | ... | ... | 6 6 | 7 0 | 6 0 | E 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 3 0 | | | | 5 |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 9 0 | ... | ... | ... | 7 0 | 7 0 | 8 0 | F 16 0 | 16 0 | 16 0 | 1 14 0 | 1 14 0 | 2 0 0 | | | | 6 |
| ... | ... | ... | ... | ... | ... | 12 0 | 10 0 | 8 8 | ... | ... | ... | 10 0 | 10 0 | 8 0 | G 25 0 | 22 8 | 22 0 | 1 9 0 | 1 12 0 | 1 13 0 | | | | 7 |
| ... | ... | ... | 9 0 | 9 0 | 9 0 | 9 0 | 9 0 | 8 0 | 13 8 | 13 0 | 10 0 | 7 12 | 7 12 | 7 0 | 20 0 | 18 0 | 20 0 | 1 9 0 | 1 9 0 | 1 10 0 | | | | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 12 14 | 10 8 | ... | ... | ... | 7 2 | 7 2 | 6 8 | H 16 0 | Karkatch. 16 0 | 16 0 | 1 14 0 | 1 13 0 | 1 13 0 | | | | 9 |
| ... | ... | ... | ... | ... | ... | 14 0 | 12 8 | 10 0 | ... | ... | ... | 10 [illegible] | 9 0 | 7 0 | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | | | | 10 |
| ... | ... | ... | ... | ... | ... | 8 0 | 8 0 | 10 0 | ... | ... | ... | 11 0 | 10 12 | 10 0 | J 23 12 | 22 8 | 20 0 | 1 11 0 | 1 12 0 | 1 13 0 | | | | 11 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 7 0 | ... | ... | ... | 5 8 | 5 8 | 7 0 | K 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 6 0 | | | | 12 |
| ... | ... | ... | Not sold. | 14 0 | 10 0 | New. 13 0 | New. 12 0 | 11 8 | 15 8 | 15 8 | 11 6 | 9 4 | 9 0 | 8 8 | L 19 0 | 19 0 | 19 0 | 2 0 0 | 2 0 0 | 2 0 0 | | | | 13 |
| ... | ... | ... | 10 4 | 12 5 | 7 0 | 13 9 | 12 15 | 9 8 | 14 5 | 14 10 | 9 8 | 9 12 | 8 11 | 7 0 | M 19 5 | 20 0 | 19 8 | 1 15 6 | 2 0 0 | 2 0 0 | | | | 14 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 10 0 | 15 0 | 15 0 | 11 0 | 8 0 | 8 0 | 8 0 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | | | | 15 |
| 14 0 | 14 0 | 12 0 | Not available. | | 8 0 | 13 0 / 10 8 | New. 12 0 / Old. 11 0 | 10 | 15 8 | 15 0 | 10 0 | 11 0 / 8 8 | New. 10 8 / Old 9 0 | 9 8 | O 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | | | | 16 |
| 14 8 | 15 9 | 12 8 | ... | ... | ... | 11 0 | 10 8 | 10 0 | 15 8 | 15 4 | 10 4 | 8 8 | 8 0 | 7 4 | P 18 0 | 18 0 | 17 0 | 2 3 9 | 2 3 9 | 2 4 9 | | | | 17 |
| 12 0 | 12 0 | ... | ... | ... | ... | 9 0 | 9 0 | 10 0 | 14 8 | 14 8 | 10 0 | 8 0 | 8 0 | 7 8 | Q 18 0 | 19 0 | 18 0 | 2 1 6 | 2 0 0 | 2 1 6 | | | | 18 |
| 13 3 | 13 3 | 12 1 | ... | ... | ... | 11 0 | 9 14 | 9 14 | 13 0 | 13 0 | 9 14 | 8 12 | 8 12 | 7 11 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | | | | 19 |

I. In the subdivisions the retail prices of salt per rupee are—Jangipur 20 seers; Lalbagh 20 seers; and Kandi 20 seers.
J. In the subdivisions the retail prices of salt per rupee are—Jhenida 18¾ seers; Magura 16 seers; Bangaon 21 seers; and Narail 14 $\frac{5}{16}$ seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagorhat 16 seers (panga); Satkhira 22½ seers.
L. In the subdivisions the retail prices of salt per rupee are—Barh 20 seers; Dinapore 17 seers; and Bihar 18¾ seers
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah 20 seers; and Jehanabad 20 seers.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua 20 seers; and Sasaram 20 seers.
O. In the subdivisions the retail prices of salt per rupee are—Siwan 20¾ seers (panga); Gopalganj 19¾ seers (panga).
P. At Bettiah the retail price of salt is 19 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 20 seers; Hajipur 20 seers.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 20 seers; Madhubani 19½ seers.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| **BIHAR—*concluded*.** | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr .. | 10 0 | 8 12 | 9 0 | 11 8 | 14 8 | 11 12 | 8 3 | 8 11 | 8 4 | 8 8 | 9 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur | 9 8 | 8 3 | 7 8 | 15 4 | 15 4 | 11 6 | 7 4 | 7 4 | 7 9 | 8 14 | 8 14 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea .. | 8 0 | 7 0 | 8 0 | ... | ... | ... | 7 0 | 6 12 | 7 8 | Rangoon. 10 0 Local. 8 0 | 9 8 | 8 8 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling . | 7 0 | 6 0 | 5 4 | 8 0 | 5 8 | 6 0 | ... | 6 0 | 6 0 to 7 0 | 8 0 | 8 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 24 | Southern Parganas. | 9 0 | 7 0 | 6 0 | 11 0 | 11 0 | 7 0 | 9 8 | 9 12 | 7 0 | 10 10 | 10 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| **ORISSA.** | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 6 0 | 6 0 | 7 14 | ... | ... | ... | 11 13 | 10 8 | 7 14 | 11 13 | 10 8 | 8 3 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore | 7 2 | 7 2 | 7 0 | ... | ... | ... | 11 12 | 12 0 | 8 4 | 12 8 | 12 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul .. | 5 0 | 5 0 | 5 0 | ... | .. | ... | 15 0 | 15 0 | 7 0 | 15 0 | 15 0 | 7 0 | .. | ... | ... | ... | ... | ... |
| | 28 | Puri .. | 8 3 | 7 14 | 7 14 | ... | ... | ... | 9 3 | 9 3 | 5 0 | 10 8 | 11 2 | 7 3 | ... | ... | — | ... | ... | ... |
| | 29 | Sambalpur... | 9 0 | 9 0 | 8 4 | ... | ... | ... | 12 0 | 12 0 | 8 8 | 12 8 | 13 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| **CHOTA NAGPUR.** | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 0 | 6 8 | 6 12 | 9 0 | 9 0 | 8 0 | 8 8 | 8 0 | 6 8 | 9 0 | 8 8 | 7 4 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 8 0 to 8 8 | 7 0 to 8 0 | 6 8 | 8 | 10 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 0 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 32 | Palamau ... | 10 2 | 9 0 | 7 5 | ... | ... | .. | 6 12 | 6 12 | 7 5 | 10 2 | 10 2 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 33 | Manbhum . | 8 0 | 7 8 | 7 8 | 12 0 | 11 0 | 8 0 | 10 0 | 10 0 | 7 0 | 11 0 | 11 0 | 7 8 | ... | ... | ... | 10 0 | 11 0 | ... |
| | 34 | Singbhum | 8 0 | 8 0 | 7 8 | ... | ... | ... | 7 8 | 7 8 | 5 8 | 9 8 | 9 8 | 6 0 | ... | ... | ... | ... | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers ; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers ; Madhipura 13 seers ; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers ; Basantpur 16 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong 15½ seers ; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers ; Deoghur 20 seers ; Pakour 20 seers ; Rajmahal 20 seers; Dumka report not received.

CALCUTTA.
*The 7th April 1909.*

***Station Bazars of the districts of Bengal on the 31st March 1909*** —concld.

| SEERS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY, OR SUNDA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| — | ... | ... | — | ... | ... | 13 8 | 13 8 | 11 12 | 13 8 | 13 8 | 11 0 | 9 4 | 8 4 | 7 4 | S 18 0 | 20 0 | 20 0 | 2 4 0 | 2 0 0 | 2 0 0 | | | | 20 |
| ... | ... | ... | ... | ... | ... | 12 10 | New 11 8 | 8 12 | 13 14 | 13 14 | 9 8 | 8 14 | New 8 11 | 8 14 | T 20 3 | 20 3 | 20 0 | 1 15 6 | 1 15 6 | 2 1 0 | | | | 21 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 7 0 | 12 0 | 13 0 | Not sold. | 7 0 | 6 4 | 6 0 | U 16 0 | 18 0 | 13 0 | 2 8 0 | 2 4 0 | 3 1 3 | | | | 22 |
| 11 0 | 11 0 | 11 0 | ... | ... | ... | 8 8 | 8 12 | 7 0 | 15 0 | 14 0 | 10 8 | 5 8 | 5 4 | 5 4 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | | | | 23 |
| ... | ... | ... | ... | ... | ... | 13 5 | 9 0 | 8 8 | 12 0 | 12 0 | 9 0 | 9 0 | 9 0 | 6 8 | W 16 0 | 16 0 | 17 0 | 2 8 0 | 2 8 0 | 2 4 0 | | | | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 12 7 \| 12 7 \| 9 3 | | | ... | ... | ... | 10 8 | 10 8 | 11 2½ | X 22 0 | 22 0 | 22 0 | 1 13 0 | 1 13 0 | 1 13 0 | | | | 25 |
| ... | ... | ... | — | ... | ... | Chhola. 7 8 \| 8 0 \| 7 8 / Biri. 10 12 \| 10 12 \| 9 2 | | | ... | ... | ... | 6 8 | 6 8 | 6 8 | Y 21 0 | 21 0 | 20 8 | 1 14 0 | 1 14 0 | 1 14 0 | | | | 26 |
| ... | ... | ... | ... | ... | ... | Biri. 9 0 \| 9 0 \| 8 0 | | | ... | ... | ... | 15 0 | 15 0 | 10 8 | Z 20 0 | 16 0 | 18 0 | 2 0 0 | 2 6 0 | 2 4 0 | | | | 27 |
| ... | ... | ... | ... | ... | ... | Biri. 10 8 \| 10 8 \| 9 13 | | | ... | ... | ... | 6 9 | 6 9 | 6 11 | a 21 8 | 24 8 | 23 0 | 1 10 0 | 1 10 0 | 1 10 0 | | | | 28 |
| ... | ... | ... | ... | ... | ... | 10 8 | 9 8 | 8 8 | ... | ... | ... | [illegible] | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | 2 4 0 | 2 4 0 | | | | 29 |
| 14 8 | 15 0 | 8 4 | ... | ... | ... | 11 0 | 9 0 | 8 0 | 12 0 | 12 0 | 9 0 | 7 0 | 7 0 | 6 12 | 16 0 | 16 0 | 15 8 | 2 8 0 | 2 8 0 | 2 8 0 | | | | 30 |
| 16 0 | 18 0 | 10 8 | ... | ... | ... | 10 8 | 9 0 | 8 0 | 10 0 | 12 0 | 8 0 | 5 0 to 8 0 | 5 0 to 7 8 | 6 8 to [illegible] | [illegible] 0 | 17 0 | 17 0 | 2 6 0 | 2 4 0 | 2 4 0 | | | | 31 |
| ... | ... | ... | ... | ... | ... | 13 8 | 11 4 | 10 2 | ... | 13 8 | 10 2 | 9 0 | 7 14 | 6 12 | [illegible] | 20 4 | 18 9 | ... | ... | ... | | | | 32 |
| ... | ... | ... | ... | ... | ... | 9 8 | 8 8 | 8 8 | 10 0 | ... | 10 0 | 7 8 | 8 0 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 2 0 | 2 2 0 | 2 4 0 | | | | 33 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 7 0 | ... | ... | ... | 7 0 | 7 0 | 7 0 | 16 0 | 16 0 | 16 0 | 2 1 0 | 2 1 0 | 2 2 0 | | | | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga), Jajpur 18 seers.
Y. The retail price of salt at Bhadrak is 19 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bantla 16 seers (karkatch); Phulbani 12 seers.
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbad 16 seers; Jhalda 16 seers.

**Published for general information.**

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 10 0 | 6 10 0 | 6 14 0 | Not reported. | 5 0 0 | 5 10 0 | 3 12 0 | 3 12 0 | 4 8 0 | 5 0 0 | 5 4 0 | 5 8 0 |
| 2 | Burdwan .. | 4 8 0 | 4 8 0 | 5 14 9 | 4 2 0 | 4 4 0 | 5 4 0 | 3 14 0 | 3 12 0 | 4 6 0 | ... | ... | ... |
| 3 | Midnapore .. | 4 15 0 | 4 12 0 | 6 0 0 | 4 0 0 | 3 13 0 | 5 6 0 | 3 11 0 | 3 7 0 | 5 0 0 | ... | ... | ... |
| 4 | Patna .. | 6 10 0 | 6 10 0 | 6 8 0 | 4 2 0 | 4 2 0 | 5 2 0 | 3 12 0 | 3 10 0 | 4 6 0 | 4 2 0 | 4 8 0 | 4 14 0 |
| 5 | Muzaffarpur ... | 10 0 0 | 10 0 0 | 10 0 0 | 6 11 6 | 6 2 6 | 5 11 6 | 4 7 0 | 4 0 0 | 4 10 6 | 5 0 0 | 5 0 0 | 5 0 0 |
| 6 | Bhagalpur .. | 6 4 0 | 6 4 0 | 6 4 0 | 5 9 3 | 5 9 3 | 5 4 0 | 4 7 0 | 4 7 0 | 4 14 0 | 4 3 6 | 4 14 0 | 5 8 6 |
| 7 | Cuttack .. | 7 3 0 | 7 3 0 | 7 3 0 | 3 6 2 | 3 12 11 | 5 3 4 | 3 6 2 | 3 12 11 | 4 14 2 | 6 10 8 | 6 10 8 | 5 1 3 |
| 8 | Sambalpur ... | 5 12 0 | 5 12 0 | 6 0 0 | 3 3 0 | 3 1 6 | 4 7 0 | 3 0 0 | 2 15 0 | 4 2 0 | 4 3 6 | 4 3 6 | 4 10 0 |
| 9 | Ranchi ... | 5 12 0 | 5 12 0 | 8 0 0 | 4 7 0 | 4 8 0 | 6 5 0 | 4 0 0 | 3 13 0 | 5 4 0 | 4 11 0 to 5 0 0 | 5 0 0 to 5 12 0 | 5 0 0 to 6 0 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 10 0 | 2 12 0 | 3 12 0 | 4 12 0 | 4 12 0 | 5 4 0 | 5 4 0 | 5 4 0 | 5 4 0 | 4 8 0 | 4 8 0 | 6 0 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 4 0 | New. 4 0 0 | 5 0 0 | ... | ... | ... | 5 2 0 | New. 5 0 0 | 6 4 0 |
| 3 | Midnapore ... | ... | ... | ... | 5 4 0 | 5 4 0 | 5 12 0 | 4 14 0 | 4 12 0 | 5 4 0 | 5 8 0<br>4 14 0 | Black mustard. 5 2 0<br>Rapeseed. 4 8 0 | 6 12 0<br>7 0 0 |
| 4 | Patna ... | 2 8 0 | 2 8 0 | 3 6 0 | 4 4 0 | 4 3 0 | 4 8 0 | 5 4 0 | 4 15 0 | 5 14 0 | 4 10 0 | 4 10 0 | 6 0 0 |
| 5 | Muzaffarpur ... | 2 12 0 | 2 12 0 | 4 0 0 | 5 0 0 | 5 0 0 | 5 5 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 2 14 0 | 2 14 0 | 4 3 0 | 4 8 0 | New. 4 8 0 | 4 8 0 | 4 8 0 | 4 8 0 | 5 14 0 | 4 2 0<br>3 12 0 | Mustard. 4 2 0<br>Rapeseed 3 12 0 | 6 7 0<br>6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 9 0 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 7 0 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 0 0 to 8 0 0 | 5 5 0 to 8 0 0 | 5 8 0 to 8 0 0 | 5 0 0 to 6 0 0 | 5 0 0 to 6 0 0 | 6 0 0 | 5 0 0 to 5 8 0 | 5 5 0 | 6 8 0 to 8 0 0 |

*the undermentioned Marts of Bengal on the 31st March 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Combu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 14 0 | 2 14 0 | 4 0 0 | ... | ... | ... | 2 9 0 | 2 9 0 | 5 8 0 | ... | — | — | 3 14 0 | 3 14 0 | 4 8 0 | 1 |
| — | ... | ... | — | ... | — | ... | — | ... | ... | ... | ... | 3 4 0 | New 3 0 0 | 4 1 0 | 2 |
| ... | ... | . | — | — | — | ... | ... | ... | — | ... | .. | 3 12 0 to 4 0 0 | 3 12 0 | 3 12 0 to 4 8 0 | |
| 2 8 0 | 2 1 0 | 3 8 0 | ... | ... | 4 0 0 | ... | ... | ... | ... | ... | ... | 3 1 0 | 3 4 0 | 3 8 0 | 4 |
| 3 5 3 | 3 5 3 | 2 13 9 | — | .. | — | .. | — | ... | 3 5 3 | 3 5 3 | ... | 4 7 0 | 4 7 0 | 4 0 0 | 5 |
| 2 10 0 | 2 10 0 | 3 7 6 | ... | . | — | ... | ... | .. | — | .. | ... | 3 2 6 | New 3 7 0 | 4 8 0 | 6 |
| — | — | .. | ... | .. | . | — | ... | ... | ... | ... | ... | Biri or kalai. 3 3 5 | 3 3 5 | 4 5 4 | 7 |
| ... | — | ... | . | — | .. | — | — | — | ... | ... | ... | 3 10 0 | 4 0 0 | 4 9 0 | 8 |
| 4 0 0 | 4 0 0 | 4 9 0 | — | ... | ... | — | ... | ... | .. | — | ... | 3 13 0 | 4 8 0 | 4 8 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 4 0 | 6 8 0 | 4 12 0 | 4 14 0 | 5 8 0 | 18 0 0 | 18 0 0 | 18 0 0 | 5 12 0 | 5 12 0 | 5 0 0 | 1 |
| ... | — | — | 7 5 0 | 7 0 0 | 3 12 0 | ... | ... | ... | ... | . | ... | 2 |
| ... | — | ... | 7 4 0 | 7 8 0 | 4 12 0 to 5 4 0 | 16 0 0 to 21 0 0 | 20 0 0 to 21 0 0 | 20 0 0 to 24 0 0 | — | — | ... | 3 |
| 5 0 0 | 4 15 0 | 7 0 0 | 4 0 0 to 4 4 0 | 4 0 0 to 4 4 0 | 3 12 0 to 4 8 0 | 18 0 0 | 18 0 0 | 16 0 0 to 19 0 0 | ... | ... | 3 8 0 to 5 0 0 | 4 |
| ... | ... | ... | 5 4 6 | 4 7 0 | 3 5 3 | — | ... | — | ... | ... | ... | 5 |
| ... | ... | ... | 5 0 0 | 5 0 0 | 4 4 0 | 19 0 0 | 19 0 0 | 20 0 0 | ... | — | — | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 8 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | ... | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 5 12 0 | 6 0 0 | 5 0 0 | ... | ... | ... | 4 13 0 | 4 13 0 | 4 8 0 | 8 |
| ... | ... | ... | 5 5 0 | 5 0 0 | 5 4 0 | 23 0 0 | 23 0 0 | 23 0 0 | ... | ... | — | 9 |

[Continued overleaf

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. | Grass. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 41 0 0 | 40 0 0 | 12 0 0 | 8 0 0 | 8 0 0 | 8 0 0 | 400 0 0 | Per 100 pieces. 400 0 0 | 400 0 0 | 1 4 0 | 1 4 0 | 1 2 0 |
| 2 | Burdwan ... | 36 0 0 | 34 0 0 | 40 0 0 | ... | Madhukhali. .. | ... | ... | ... | ... | ... | — | — |
| 3 | Midnapore ... | 36 0 0 to 39 0 0 | 36 0 0 to 39 0 0 | 37 0 0 to 42 0 0 | 12 8 0 | 13 0 0 | 9 0 0 | Unclean. per piece. 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 1 12 0 to 2 8 0 | ... | — | — |
| | | | | | 14 8 0 | Palta. 15 0 0 | 10 10 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 2 4 0 to 3 0 0 | | | |
| 4 | Patna ... | 31 0 0 to 34 0 0 | 30 0 0 to 32 0 0 | 37 0 0 to 39 0 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 0 0 to 4 0 0 | ... | ... | 40 0 0 | ... | ... | 0 7 0 |
| 5 | Muzaffarpur ... | 30 7 6 | 30 7 6 | 37 10 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | — | - | - | ... | ... |
| 6 | Bhagalpur ... | 32 0 0 | 32 0 0 | 42 4 0 | 10 8 0 | 10 8 0 | 12 0 0 | ... | .. | . | ... | ... | — |
| 7 | Cuttack ... | 41 14 5 | 41 14 5 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| 8 | Sambalpur ... | 34 8 0 to 35 8 0 | 34 8 0 to 35 8 0 | 39 0 0 | 16 0 0 | 16 0 0 | 16 0 0 | 40 0 0 | Per maund. 40 0 0 | 40 0 0 | ... | ... | — |
| 9 | Ranchi ... | 35 4 0 | 33 8 0 | 40 0 0 | 8 0 0 to 14 0 0 | 8 0 0 to 13 0 0 | 10 0 0 to 16 0 0 | Per piece. 3 0 0 to 4 0 0 | 3 0 0 to 4 0 0 | 3 0 0 to 3 8 0 | 0 9 0 | 0 8 0 | 0 11 0 |

| Number. | Marts. | Firewood. | | | Salt. | | | Bhoosa. | | | Bran. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 9 0 | 1 9 0 | Panga. 1 9 0 | 1 10 0 | 1 12 0 | 1 12 0 | ... | 2 15 0 | 2 14 0 | ... |
| 2 | Burdwan ... | 0 9 0 | 0 9 0 | [illegible] | 1 12 0 | Panga. 1 12 0 | 1 13 0 | Not sold. | | | 3 5 0 | 3 4 0 | ... |
| 3 | Midnapore ... | 0 4 0 | 0 4 0 | 0 4 0 | 1 12 0 | Crushed. 1 12 0 | 1 12 0 | Not available. | | | 0 7 0 | 0 6 0 | ... |
| | | | | | 1 14 0 | Bombay. 1 14 0 | 2 0 0 | | | | | | |
| 4 | Patna ... | 0 7 0 | 0 7 0 | 0 7 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 0 0 | 1 2 0 | ... | 2 4 0 | 2 4 0 | ... |
| 5 | Muzaffarpur ... | 0 5 3 | 0 5 3 | 0 5 3 | 2 1 6 | Panga. 2 0 0 | 2 1 6 | 0 10 6 | 0 10 6 | ... | 3 1 10 | 3 10 0 | ... |
| 6 | Bhagalpur ... | 0 6 6 | 0 6 6 | 0 6 0 | 1 15 6 | Panga. 1 15 6 | 2 1 0 | 0 8 0 | 0 8 0 | ... | 2 4 0 | 2 0 | ... |
| 7 | Cuttack ... | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | Not sold | | | 0 10 0 | 10 0 | ... |
| 8 | Sambalpur ... | ... | 0 4 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | Ditto | | | Not available | | |
| 9 | Ranchi ... | 0 4 6 | 0 4 0 | 0 5 3 | 2 6 0 | Panga. 2 4 0 | 2 8 0 | 2 8 0 | 2 8 0 | ... | 3 0 0 | 3 0 0 | ... |

CALCUTTA,
*The 7th April 1909.*

*the undermentioned Marts of Bengal on the 31st March 1909*—concld.

| Straw. | | | Juar stalks. | | | Price per maund of forty standard seers. Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 0 10 0 | 0 10 0 | 0 14 0 | ... | ... | ... | 6 4 0 | 6 4 0 | 6 4 0 | Calcutta ... | 1 |
| 6 6 0 | 0 6 0 | 0 8 0 | — | ... | — | — | — | ... | Burdwan ... | 2 |
| 0 6 0 | 0 5 0 | 0 5 0 | ... | ... | ... | 2 8 0 to 4 0 0 | 2 8 0 to 4 0 0 | 2 8 0 to 5 0 0 | Midnapore ... | 3 |
| 0 12 0 | 0 12 0 | 0 7 0 | ... | ... | ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 3 0 0 to 5 0 0 | Patna ... | 4 |
| — | ... | ... | — | — | — | 8 0 0 | 8 0 0 | 10 0 0 | Muzaffarpur ... | 5 |
| ... | ... | . | ... | — | ... | 5 0 0 | 5 0 0 | 5 4 0 | Bhagalpur ... | 6 |
| 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | .. | ... | ... | — | — | ... | ... | ... | Sambalpur ... | 8 |
| 0 12 0 | 0 12 0 | 0 14 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 5 11 0 | Ranchi ... | 9 |

| Forty standard seers. Oats. | | | Kerosine oil. | | | Price per animal. Slaughter cattle. | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|
| [illegible] 2 0 | 3 4 0 | ... | Per case. 4 4 0 | 4 4 0 | ... | Cow. 42 0 0 / Calf. 6 0 0 | 42 0 0 / 6 [illegible] 0 | Calcutta ... | 1 |
| Not sold. | | | 4 0 0 | 5 0 0 | ... | Not sold. | | Burdwan ... | 2 |
| 4 8 0 | 5 0 0 | ... | 3 4 6 to 3 8 6 | 4 9 0 to 4 14 0 | ... | Full grown. 8 0 0 to 12 0 0 | 8 0 0 to 12 0 0 | Midnapore ... | 3 |
| Not sold | | | Per case. Rs. 3 to 3·8 | 3 5 0 | ... | Goat and sheep. 3 0 0 to 5 0 0 / Buffalo and Calf Not sold. | 3 0 0 to 5 0 0 / ... / ... | Patna ... | 4 |
| 4 0 0 | 4 0 0 | ... | Per tin. 1 5 0 | 2 0 0 | ... | Calf. 15 0 0 / Cow. 30 0 0 | 15 0 0 / 30 0 0 | Muzaffarpur ... | 5 |
| 4 5 0 | 4 5 0 | ... | 5 0 0 | 5 0 0 | ... | Goat. 5 0 0 / Cow. 20 0 0 | 5 0 0 / 20 0 0 | Bhagalpur ... | 6 |
| 5 1 4 | 5 1 4 | ... | 7 8 0 | 7 8 0 | ... | Cow Rs. 10 to Rs. 20. / Calf. Rs. 2 to Rs. 10. | Rs. 10 to Rs. 20. / Rs. 2 to Rs. 10. | Cuttack ... | 7 |
| Not available | | | Per case. 2 10 0 to 6 14 0 | 4 8 0 to 6 14 0 | ... | Full grown. 3 8 0 | 3 8 0 | Sambalpur ... | 8 |
| 5 0 0 | 5 0 0 | ... | Per case. 3 2 0 to 7 0 0 | 3 15 0 to 5 8 0 | ... | Full grown. 9 0 0 to 16 0 0 / Calf. 6 0 0 to 10 0 0 | 9 0 0 to 16 0 0 / 5 0 0 to 10 0 0 | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 27th March 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 527,923 | 4,84,702 0 0 | 66,50,271 0 | 10,89,218 0 0 | 42,474 0 0 | 16,16,394 0 0 | 164,800 | 216,853 | 381,653 |
| Or per mile of railway ... | ..... | 211 7 1 | ..... | 475 2 5 | 18 8 5 | 705 1 11 | ... | ... | ..... |
| For previous 11¾ weeks of half-year | 6,157,775 | 57,36,545 0 0 | 7,88,42,364 0 | 1,28,12,194 0 0 | 5,15,753 0 0 | 1,90,64,492 0 0 | 1,868,897 | 2,457,784 | 4,326,681 |
| Total for 12¾ weeks ... | 6,685,698 | 62,21,247 0 0 | 8,54,98,635 0 | 1,39,01,412 0 0 | 5,58,227 0 0 | 2,06,80,886 0 0 | 2,033,697 | 2,674,637 | 4,708,334 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 510,075 | 5,15,047 3 0 | 83,92,115 20 | 12,84,537 4 11 | 39,654 14 0 | 18,39 239 5 11 | 163,464 | 244,911 | 408,375 |
| Per mile of railway corresponding week of previous year. | ..... | 225 3 3 | ..... | 561 10 6 | 17 5 | 804 3 2 | ..... | ..... | ..... |
| Total for corresponding 12¾ weeks of previous year. | 6,773,573 | 64,92,448 12 6 | 9,32,06,201 10 | 1,47,47,316 5 5 | 5,16,348 11 4 | 2,17,56,143 13 3 | 2,034,944 | 2,853,216 | 4,888,160 |

The decrease is in coal and general merchandise.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,319,928 | 20,57,070 | 3,02,58,230 | 49,14,237 | 2,17 919 | 71,89,196 | 3,136 | 1,677,717 | 4 4 7 |
| 2,292·37 | First 6 days of Feb. ... | 478,007 | 4,03,555 | 62,74,026 | 10,27,036 | 3,09.3 | 14,69 744 | 641 | 326,356 | 4 8 1 |
| 2,292·37 | Week ended 13th ,, ... | 534,137 | 5,31,039 | 74,20,715 | 11,09,110 | 47,266 | 17,47,421 | 762 | 385,449 | 4 8 6 |
| 2,292·37 | ,, ,, 20th ,, ... | 604,226 | 6,24,120 | 69,99,697 | 11,36,789 | 47,266 | 17,98,175 | 784 | 393,578 | 4 9 1 |
| 2,292 37 | ,, ,, 27th ,, ... | 568,066 | 5,55,893 | 71,47,821 | 11,67,221 | 45,871 | 17,68,984 | 772 | 392,621 | 4 10 0 |
| 2,292·37 | ,, ,, 6th Mar. ... | 566,749 | 5,56,900 | 67,26,466 | 11,52,450 | 47,266 | 17,56,216 | 766 | 387,029 | 4 8 7 |
| 2,292·37 | ,, ,, 13th ,, . | 567,310 | 5,14,413 | 71,31,994 | 11,16,505 | 35,736 | 16,66,454 | 727 | 387,668 | 4 4 9 |
| 2,292 37 | ,, ,, 20th ,, ... | 531,252 | 4,93,655 | 68,82,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 386,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 527, 23 | 4,84,702 | 66,50,271 | 10,89,218 | 42,474 | 16 16,394 | 705 | 381,653 | 4 3 9 |
| | Totals up to date ... | 6,685,698 | 62,21,247 | 8,54,98,635 | 1,39,01,412 | 5,58,227 | 2,06,80,886 | 734 | 4,708,334 | 4 6 3 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,17[illegible] | 2[illegible],92,534 | 3,18,38,828 | 50,53,727 | 1,75,150 | 73,21,611 | 3,201 | 1,682,116 | 4 5 8 |
| 2,287·05 | First 1 day of Feb. .. | 9[illegible] | 94,319 | 10,44,227 | 1,68,890 | 5,703 | 2 68,414 | 177 | 55,613 | 4 13 3 |
| 2,287·05 | Week ended 8th ,, ... | [illegible] | 6,29,554 | 67,78,774 | 11,47,199 | 40,138 | 18,16,841 | 794 | 385,893 | 4 11 4 |
| 2,287·05 | ,, ,, 15th ,, ... | [illegible] | 5,20,704 | 72,60,797 | 12,52,102 | 46 759 | 18,19,565 | 796 | 393,622 | 4 10 0 |
| 2,287·05 | ,, ,, 22nd ,, ... | 587,955 | 5,55,293 | 76,82,960 | 12,81,245 | 43,823 | 18,50,461 | 809 | 399,406 | 4 10 7 |
| 2 287 05 | ,, ,, 29th ,, ... | 575,504 | 5,60,715 | 76,27,245 | 12,71,065 | 45,554 | 18,77,334 | 821 | 402,373 | 4 10 8 |
| 2,287·05 | ,, ,, 7th Mar. ... | 622,809 | 5,44,939 | 73,95,192 | 11,25,979 | 43,982 | 17,14,900 | 750 | 388,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 568,4[illegible]0 | 5,44,733 | 77,15,217 | 10,78,964 | 34,757 | 16,58,454 | 725 | 378,642 | 4 [illegible] 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,34,610 | 74,70,846 | 11,14,138 | 40,626 | 15,89,374 | 695 | 393,366 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,075 | 5,15,047 | 83,92,115 | 12,84,537 | 39,655 | 18,39,239 | 804 | 408,375 | 4 8 1 |
| | Totals up to date ... | 6,773,573 | 64,92,448 | 9,32,06,201 | 1,47,47,346 | 5,16,349 | 2,17,56,143 | 757 | 4,888,160 | 4 7 3 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 27th March 1909, on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 26,641 | 5,594 0 0 | 28,277 0 | 1,097 0 0 | 6 0 0 | 6,697 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway .. ... | | 251 13 11 | ... | 49 6 3 | 0 4 4 | 301 8 6 | ... | ... | |
| For previous 11¾ weeks of half-year | 329,281 | 78,921 0 0 | 2,69,642 0 | 8,147 0 0 | 91 0 0 | 87,159 0 0 | 15,319 | 1,917 | 17,236 |
| Total for 12¾ weeks ... | 355,922 | 84,515 0 0 | 2,97,869 0 | 9,244 0 0 | 97 0 0 | 93,856 0 0 | 16,656 | 2,076 | 18,732 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 24,593 | 5,588 11 0 | 28,965 0 | 1,128 5 0 | 10 15 6 | 6,728 0 3 | 1,408 | 154 | 1,562 |
| Per mile of railway corresponding week of previous year ... ... | ... | 251 6 6 | ... | 50 12 1 | 0 7 11 | 302 10 6 | ... | ... | ... |
| Total for corresponding 12¾ weeks of previous year ... ... ... | 398,436 | 98,692 8 1 | 3,20,931 0 | 11,209 0 0 | 98 11 3 | 1,10,000 3 4 | 17,918 | 1,904 | 19,822 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. ... | 105,932 | 24,217 | 1,08,797 | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 9 |
| 22·21 | First 6 days of Feb. ... | 26,048 | 7,583 | 73 400 | 582 | 7 | 8,172 | 368 | 1,300 | 6 4 7 |
| 22·21 | Week ended 13th ,, ... | 27,697 | 6,431 | 18,394 | 751 | 9 | 7,191 | 324 | 1,476 | 4 13 11 |
| 22·21 | ,, ,, 20th ,, ... | 55,935 | 14,155 | 19,472 | 850 | 9 | 15,014 | 676 | 1,784 | 8 6 8 |
| 22·21 | ,, ,, 27th ,, ... | 26,114 | 5,592 | 29,445 | 1,158 | 8 | 6,758 | 304 | 1,496 | 4 8 3 |
| 22·21 | ,, ,, 6th March .. | 23,474 | 8,132 | 20,941 | 890 | 9 | 9,031 | 4 7 | 1,496 | 6 0 7 |
| 22·21 | ,, ,, 13th ,, ... | 31,133 | 6,775 | 28,182 | 1,010 | 11 | 7,746 | 349 | 1,496 | 5 2 10 |
| 22·21 | ,, ,, 20th ,, ... | 29,049 | 6,086 | 31,911 | 1,322 | 11 | 7,419 | 334 | 1,496 | 4 15 4 |
| 22·21 | ,, ,, 27th ,, ... | 26,641 | 5,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| | Totals up to date .. | 3,55,922 | 84,515 | 2,97,899 | 9,244 | 97 | 93,856 | 344 | 18,732 | 5 0 2 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. ... | 111,387 | 26,514 | 85,503 | 3,136 | 30 | 29,710 | 1,336 | 6,900 | 4 4 11 |
| 22·23 | First 1 day of Feb. ... | 5,716 | 1,497 | 2,676 | 121 | 0 | 1,618 | 74 | 234 | 6 5 11 |
| 22·23 | Week ended 8th ,, ... | 57,813 | 16,164 | 20,135 | 847 | 11 | 17,022 | 766 | 2 088 | 8 2 5 |
| 22·23 | ,, ,, 15th ,, .. | 26,779 | 6,038 | 39,019 | 974 | 6 | 7,088 | 317 | 1,496 | 4 11 3 |
| 22·23 | ,, ,, 22nd ,, ... | 33,136 | 8,053 | 32,249 | 994 | 7 | 9,052 | 407 | 1,434 | 6 5 |
| 22·23 | ,, ,, 29th ,, ... | 27,651 | 6,422 | 31,413 | 1,167 | 9 | 7,598 | 342 | 1,496 | 5 1 |
| 22·23 | ,, ,, 7th March .. | 52,829 | 14,739 | 46,153 | 676 | 6 | 15,421 | 694 | 1,886 | 8 2 1 |
| 22·23 | ,, ,, 14th ,, ... | 29,794 | 6,578 | 28,967 | 965 | 8 | 7,551 | 340 | 1,276 | 5 14 8 |
| 22·23 | ,, ,, 21st ,, ... | 20,738 | 7,049 | 28,701 | 1,203 | 11 | 8,262 | 372 | 1,431 | 5 12 5 |
| 22·23 | ,, ,, 28th ,, ... | 24,693 | 5,588 | 28,965 | 1,129 | 11 | 6,728 | 303 | 1,562 | 4 4 11 |
| | Totals up to date ... | 398,436 | 98,692 | 3,20,981 | 11,209 | 99 | 1,10,000 | 394 | 19,822 | 5 8 9 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for week ended 27th March 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 32,322 | 27,926 0 0 | 2,88,869 0 | 21,718 0 0 | 42 0 0 | 49,686 0 0 | 12,630 | 6,143 | 18,17[illegible] |
| Or per mile of railway ... ... | ..... | 172 0 0 | ..... | 133 12 3 | 0 4 2 | 306 0 5 | ... | ... | ... |
| For previous 11¾ weeks of half-year | 289,485 | 2,15,198 0 0 | 31,27,369 0 | 2,07,594 0 0 | 497 0 0 | 4,23,289 0 0 | 137,397 | 56,393 | 193,7[illegible] |
| Total for 12¾ weeks ... | 321,807 | 2,43,124 0 0 | 34,16,238 0 | 2,29,312 0 0 | 539 0 0 | 4,72,975 0 0 | 149,427 | 62,536 | 211,963 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 31,870 | 26,4[illegible]5 12 0 | 2,39,473 0 | 17,143 4 0 | 60 3 0 | 43,692 3 0 | 12,614 | 6,025 | 17,639 |
| Per mile of railway corresponding week of previous year. | ..... | 163 2 [illegible] | ..... | 105 9 5 | 0 5 11 | 269 1 9 | ... .. | ..... | ... . |
| Total for corresponding 11¾ weeks of previous year. | 343,604 | 2,37,815 11 8 | 33,54,979 0 | 2,43,787 15 0 | 692 4 0 | 4,82,295 14 8 | 147,179 | 68,185 | 215,364 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. .. | 94,754 | 67,058 | 14,05,935 | 68,198 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| 162·36 | First 6 days of Feb. ... | 20,000 | 17,311 | 2,41,421 | 15,393 | 28 | 32,732 | 201 | 14,501 | 2 4 1 |
| 162·36 | Week ended 13th ,, ... | 26,107 | 19,134 | 2,86,488 | 19,038 | 40 | 38,216 | 235 | 17,003 | 2 4 0 |
| 162·36 | ,, ,, 20th ,, ... | 25,401 | 18,405 | 2,82,668 | 19,639 | 40 | 38,084 | 235 | 17,503 | 2 2 10 |
| 162·36 | ,, ,, 27th ,, ... | 29,376 | 22,344 | 2,53,054 | 17,881 | 42 | 39,887 | 246 | 16,785 | 2 6 0 |
| 162·36 | ,, ,, 6th March .. | 30,816 | 21,715 | 3,03,367 | 20,986 | 40 | 42,741 | 263 | 17,558 | 2 6 11 |
| 162·36 | ,, ,, 13th ,, ... | 29,965 | 24,314 | 3,31,583 | 22,888 | 43 | 47,245 | 291 | 16,743 | 2 13 2 |
| 162·36 | ,, ,, 20th ,, ... | 32,976 | 24,893 | 3,20,793 | 23,973 | 43 | 48,909 | 301 | 18,350 | 2 10 8 |
| 162·36 | ,, ,, 27th ,, ... | 32,322 | 27,926 | 2,88,869 | 21,718 | 42 | 49,686 | 306 | 18,173 | 2 11 9 |
| | Totals up to date ... | 3,21,807 | 2,43,124 | 34,16,238 | 2,29,312 | 539 | 4,72,975 | 237 | 211,963 | 2 3 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 106,457 | 69,564 | 11,46,303 | 78 637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | First 1 day of Feb. ... | 3,590 | 2,424 | 33,336 | 2,719 | 8 | 5,151 | 32 | 2,444 | 2 1 9 |
| 162·36 | Week ended 8th ,, ... | 25,703 | 18,006 | 2,74,281 | 18,735 | 65 | 36,806 | 227 | 16,946 | 2 2 9 |
| 162·36 | ,, ,, 15th ,, ... | 26,118 | 17,428 | 2,75,384 | 17,463 | 31 | 34,922 | 215 | 16,810 | 2 1 3 |
| 162·36 | ,, ,, 22nd ,, .. | 28,591 | 20,404 | 2,19,444 | 21,138 | 48 | 41,590 | 256 | 16,709 | 2 7 10 |
| 162·36 | ,, ,, 29th ,, ... | 28,845 | 19,137 | 2,83,522 | 21,605 | 59 | 40,801 | 251 | 17,147 | 2 6 1 |
| 162·36 | ,, ,, 7th March... | 30,611 | 19,723 | 2,91,091 | 23,694 | 52 | 43,468 | 268 | 16,926 | 2 9 1 |
| 162·36 | ,, ,, 14th ,, ... | 31,309 | 21,962 | 2,96,264 | 20,589 | 47 | 42,578 | 262 | 17,542 | 2 6 10 |
| 162·36 | ,, ,, 21st ,, ... | 30,501 | 22,680 | 2,93,831 | 22,985 | 55 | 44,820 | 276 | 17,748 | 2 8 5 |
| 162·36 | ,, ,, 28th ,, ... | 31,870 | 26,489 | 2,39,473 | 17,143 | 60 | 43,692 | 269 | 17,639 | 2 7 8 |
| | Totals up to date ... | 343,604 | 2,37,816 | 33,54,979 | 2,43,887 | 692 | 4,82,296 | 236 | 215,364 | 2 8 10 |

* Audited figures.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 27th March 1909 on 1,428 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week (e) ... | 400,150 | 2,00,200 0 0 | 4,405,760 0 | 4,00,130 0 0 | 1,45,100 0 0 | 7,45,430 0 0 | 68,631 | (b)82,850 | 151,481 |
| Or per mile of railway ... ... | 287 | 140 0 0 | 3,085 0 | 280 0 0 | (a)86 0 0 | (a)506 0 0 | ... | ... | ... |
| For previous 12 weeks of half-year (c) ... ... ... .. | 5,698,416 | 23,96,283 0 0 | 23,809,706 0 | 31,56,734 0 0 | 3,98,851 0 0 | 59,51,868 0 0 | 865,109 | 573,083 | 1,441,192 |
| Total for 13 weeks ... | 6,107,566 | 25,96,483 0 0 | 28,215,466 0 | 35,56,864 0 0 | 5,43,951 0 0 | 66,97,298 0 0 | 940,740 | 655,933 | 1,602,673 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year (d) ... .. | 413,721 | 2,13,637 0 0 | 4,351,185 0 | 3,63,265 0 0 | 1,51,588 0 0 | 7,28,490 0 0 | 76,931 | 79,802 | 156,733 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 325 | 168 0 0 | 3,415 0 | 285 0 0 | 109 0 0 | 562 0 0 | ... | ... | ... |
| Total to corresponding date of previous year (d) ... ... | 6,644,133 | 28,95,751 0 0 | 25,557,592 0 | 29,40,136 0 0 | 4,63,618 0 0 | 62,99,505 0 0 | 967,950 | 578,408 | 1,546,358 |

(a) Excluding steamer earnings, Rs. 23,400.
(b) Includes ballast train-miles. 39,116, earnings Rs. 15,000.
(c) Audited up to 31st January 1909.
(d) Includes supplementary figures for March 1908.
(e) Ditto ditto 1909.

## DACCA STATE RAILWAY

*Approximate Return of Traffic and Mileage for the week ended 27th March 1909 on 85 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 40,997 | 12,110 0 0 | [illegible],570 0 | 4,430 0 0 | 360 0 0 | 16,900 0 0 | 5,656 | (a)1,344 | 7,000 |
| Or per mile of railway ... | 477 | 141 0 0 | 651 0 | 52 0 0 | 4 0 0 | 197 0 0 | ... | ... | ... |
| For previous 12 weeks of half-year (b) ... ... . .. | 502,620 | 1,58,934 0 0 | 970,837 0 | 74,061 0 0 | 2,185 0 0 | 2,35,180 0 0 | 63,852 | 17,398 | 81,250 |
| Total for 13 weeks .. | 543,620 | 1,71,044 0 0 | 1,029,407 0 | 78,491 0 0 | 2,545 0 0 | 2,52,080 0 0 | 69,508 | 18,742 | 88,250 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 41,085 | 16,688 0 0 | 155,345 0 | 9,513 0 0 | 699 0 0 | 23,900 0 0 | 5,656 | 2,028 | 7,684 |
| Per mile of railway corresponding week of previous year . | 478 | 159 0 0 | 1,806 0 | 111 0 0 | 8 0 0 | 278 0 0 | ... | ... | ... |
| Total to corresponding date of previous year (c) ... ... | 552,588 | 1,73,686 0 0 | 1,417,884 0 | 98,693 0 0 | 4,504 0 0 | 2,76,383 0 0 | 71,642 | 23,456 | 95,098 |

(a) Ballast train-miles, Nil.
(b) Audited up to 31st January 1909.
(c) Includes supplementary figures for March 1908.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 27th March 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 4,340 | 1,660 0 0 | 22,150 0 | 1,390 0 0 | 10 0 0 | 3,060 0 0 | 441 | (a)4,933 | 5,374 |
| Or per mile of railway ... ... | 129 | 50 0 0 | 659 0 | 41 0 0 | ... | 91 0 0 | ... | ... | ... |
| For previous 12 weeks of half-year (b) ... ... ... ... | 49,555 | 20,387 0 0 | 2,71,607 0 | 21,663 0 0 | 106 0 0 | 42,156 0 0 | 5,361 | 17,953 | 23,314 |
| Total for 13 weeks ... | 53,895 | 22,047 0 0 | 2,93,757 0 | 23,053 0 0 | 116 0 0 | 45,216 0 0 | 5,802 | 22,886 | 28,688 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 6,029 | 2,352 0 0 | 27,965 0 | 1,482 0 0 | 42 0 0 | 3,876 0 0 | 463 | 3,708 | 4,171 |
| Per mile of railway corresponding week of previous year ... | 179 | 70 0 0 | 832 0 | 44 0 0 | 1 0 0 | 115 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 57,318 | 23,210 0 0 | 3,06,894 0 | 22,865 0 0 | 185 0 0 | 46,260 0 0 | 5,564 | 20,205 | 25,769 |

(a) Includes ballast train-miles.
(b) Audited up to 31st January 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 27th March 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles Run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 15,890 | 4,440 0 0 | 57,860 0 | 2,690 0 0 | 20 0 0 | 7,150 0 0 | 2,052 | (a) 834 | 2,886 |
| Or per mile of railway ... ... | 294 | 82 0 0 | 1,071 0 | 50 0 0 | ..... | 132 0 0 | ... | ... | — |
| For previous 13 weeks of half-year (b) ... ... ... ... | 209,890 | 57,168 0 0 | 669,853 0 | 40,629 0 0 | 286 0 0 | 98,083 0 0 | 22,866 | 9,195 | 32,[illegible] |
| Total for 13 weeks* | 225,780 | 61,608 0 0 | 727,713 0 | 43,319 0 0 | 306 0 0 | 1,05,233 0 0 | 24,918 | 10,029 | 34,947 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 16,728 | 4,094 0 0 | 45,139 0 | 2,120 0 0 | 21 0 0 | 6,835 0 0 | 2,[illegible]52 | 504 | 2,616 |
| Per mile of railway corresponding week of previous year ... | 310 | 87 0 0 | 836 0 | 39 0 0 | 1 0 0 | 127 0 0 | ... | ... | .. |
| To al to corresponding date of previous year ... . .. | 11,654 | 55,450 0 0 | 494,567 0 | 27,835 0 0 | −2,230 0 0 | 81,055 0 0 | 26,450 | 6,382 | 32,832 |

(a) Ballast train-miles, nil.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 27th March 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles Run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 70,000 | 43,000 0 0 | 448,000 0 | 44,000 0 0 | [illegible] 0 | 94,500 0 0 | 14,507 | 21,473 | [illegible] |
| Or per mile of railway ... | 91·15 | 55·99 | 581·06 | 57·07 | 8·73 | 122 79 | 18 89 | 27 85 | [illegible] |
| For previous 12 weeks of half-year ... ... ... ... | 862,525 | 5,56,424 0 0 | 4,067,564 0 | 4,89,150 0 0 | 56,463 0 0 | 11,02,037 0 0 | 161,255 | 223,095 | 384,350 |
| Total for 13 weeks ... | 932,525 | 5,99,424 0 0 | 4,515,564 0 | 5,33,150 0 0 | 63,963 0 0 | 11,96,537 0 0 | 175,762 | 244,568 | 420,330 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 61,461 | 41,667 0 0 | 323,507 0 | 44,389 0 0 | 9,822 0 0 | 95,878 0 0 | 16,389 | 22,316 | 38,705 |
| Per mile of railway corresponding week of previous year ... | 80 03 | 54 25 | 419·59 | 57·51 | 12 7[illegible] | 124·50 | 21 34 | 28·94 | 50 24 |
| Total to corresponding date of previous year ... ... ... | 897,850 | 6,25,904 0 0 | 3,277,286 0 | 4,87,932 0 0 | 58,134 0 0 | 11,72,060 0 0 | 204,413 | 256,076 | 460,489 |

* Financial Year.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 27th March 1909. | | | Receipts for week ending 28th March 1908. | | | Total receipts from 1st April 1908 to 27th March 1909. | | | Total receipts from 1st April 1907 to 28th March 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | |
| 771 | 94,500 | 122 79 | 771 | 95,828 | 124·50 | 771 | 46,79,575 | ... | 771 | 48,22,558 | ... | ..... | 1,[illegible] |

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 3rd April 1909 on 1,498 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. (d) | | | |
| Total traffic for the week ... | 599,850 | 2,18,340 0 0 | 1,936,000 0 | 2,83,320 0 0 | 24,230 0 0 | 5,25,880 0 0 | 78,598 | (b)43,880 | 122,478 |
| Or per mile of railway ... | 420 | 153 0 0 | 1,356 0 | 198 0 0 | (a)2 0 0 | (a)353 0 0 | ..... | ..... | ..... |
| For previous 13 weeks of half-year (c) ... ... ... ... | 6,107,566 | 23,96,483 0 0 | 28,215,466 0 | 35,56,864 0 0 | 5,43,951 0 0 | 66,97,298 0 0 | 946,740 | 655,933 | 1,602,673 |
| Total for 14 weeks ... | 6,707,416 | 23,14,823 0 0 | 30,151,466 0 | 38,40,184 0 0 | 5,68,171 0 0 | 72,23,178 0 0 | 1,025,330 | 699,783 | 1,725,113 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 594,821 | 2,06,493 0 0 | 1,624,584 0 | 2,20,486 0 0 | 19,579 0 0 | 46,360 0 0 | 76,974 | 39,889 | 116,863 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 437 | 162 0 0 | 1,275 0 | 173 0 0 | 2 0 0 | 337 0 0 | ..... | ... | ..... |
| Total to corresponding date of previous year ... ... | 7,238,954 | 31,02,247 0 0 | 27,182,176 0 | 31,60,622 0 0 | 4,83,196 0 0 | 67,46,065 0 0 | 1,064,924 | 618,297 | 1,683,221 |

(a) Excluding steamer earnings, Rs. 21,900.
(b) Excluding ballast train-miles, 10,011.
(c) Audited up to 31st January 1909.
(d) Increase is due to general development of traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 3rd April 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 41,860 | 12,480 0 0 | 61,039 | 5,440 0 0 | 300 0 0 | 18,220 0 0 | 5,656 | (a)1,344 | 7,000 |
| Or per mile of railway .. | 487 | 145 0 0 | 717 | 63 0 0 | 4 0 0 | 212 0 0 | ..... | ..... | ..... |
| For previous 13 weeks of half-year (b) ... ... ... ... | 543,620 | 1,71,044 0 0 | 1,029,407 0 | 78,491 0 0 | 2,545 0 0 | 2,52,080 0 0 | 69,598 | 18,742 | 88,250 |
| Total for 14 weeks . | 585,480 | 1,83,524 0 0 | 1,091,037 0 | 83,931 0 0 | 2,845 0 0 | 2,70,300 0 0 | 75,164 | 20,086 | 95,250 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. .. | 41,429 | 12,369 0 0 | 97,518 0 | 7,962 0 0 | 69 0 0 | 20,400 0 0 | 5,656 | 1,704 | 7,360 |
| Per mile of railway corresponding week of previous year . | 482 | 144 0 0 | 1,134 0 | 92 0 0 | 1 0 0 | 237 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 593,717 | 1,86,055 0 0 | 1,515,402 0 | 1,06,655 0 0 | 4,073 0 0 | 2,96,783 0 0 | 77,298 | 25,160 | 102,458 |

(a) Ballast train-miles, Nil.
(b) Audited up to January 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 3rd April 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,850 | 1,980 0 0 | 35,420 0 | 1,670 0 0 | 10 0 0 | 3,660 0 0 | 445 | (a)820 | 1,265 |
| Or per mile of railway ... | 144 | 59 0 0 | 1,054 0 | 50 0 0 | ..... | 109 0 0 | ..... | ..... | ..... |
| For previous 13 weeks of half-year (b) ... .. ... ... | 53,895 | 22,047 0 0 | 293,757 0 | 23,053 0 0 | 116 0 0 | 45,216 0 0 | 5,802 | 22,866 | 28,668 |
| Total for 14 weeks . | 58,745 | 24,027 0 0 | 329,177 0 | 24,723 0 0 | 126 0 0 | 48,876 0 0 | 6,247 | 23,706 | 29,953 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 5,718 | 2,440 0 0 | 37,374 0 | 1,711 0 0 | 25 0 0 | 4,176 0 0 | 402 | 956 | 1,358 |
| Per mile of railway corresponding week of previous year .. | 170 | 72 0 0 | 1,112 0 | 51 0 0 | 1 0 0 | 124 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year .. ... . | 63,036 | 25,650 0 0 | 344,268 0 | 24,576 0 0 | 210 0 0 | 50,436 0 0 | 6,056 | 21,071 | 27,127 |

(a) Excluding ballast train-miles, 950.
(b) Audited up to January 1909.

APPENDIX TO

# The Calcutta Gazette.

WEDNESDAY, APRIL 21, 1909.

## NOTICES TO MARINERS.

THE following Notices are published for general information.

T. BUTLER,
*Secy. to the Govt. of Bengal.*

CALCUTTA, *the 17th April 1909.*

### INDIAN OCEAN, SOUTH-WEST—MADAGASCAR, NORTH-WEST COAST.

*Nosi Iranja—Light established.*

*No. 169 (first publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 423 of 1909), are republished:—

*Subject.*—A light of the undermentioned character has been established on Nosi Iranja, north-west coast of Madagascar.

*Position.*—Near centre of island.

Lat. 13° 35′ 30″ S., long. 47° 49′ 45″ E., on chart No. 705.

*Character.*—*Flashing white every five seconds.*

*Elevation.*—221 feet.

*Visibility.*—Not stated.

*Charts affected.*—No. 705, Pasindava bay to Nosi Shaba.
" 706, Pasindava and adjacent bays, &c.
" 2762, Comoro islands.
" 758, Cape St. Andrew to Antongil bay.
" 597, Delagoa bay to Cape Guardafui.
" 748*a*, Indian ocean, southern portion.
" 748*b*, Indian ocean, northern portion.

*Publications.*—List of Lights, Part VI, 1909, No. 118.
Islands in the Southern Indian Ocean, 1904, page 178; Supplement, 1908.

*Authority.*—Paris Notice No. 398 of 1909.

## AUSTRALIA, SOUTH—TASMANIA, SOUTH COAST.

*River Derwent—Alterations in buoyage.*

*No. 170 (first publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 424 of 1909), are republished:—

*Subject.*—The undermentioned alterations have been made in the buoyage of the river Derwent.

*Position.*—Government House, Hobart, lat. 42° 52½′ S., long. 147° 20½′ E.

1. Buoys established:

(a) *Position.*—In a depth of 4 fathoms, on the edge of the bank extending from Cemetery point, with the south extreme of Bedlam Wall point bearing N. 70° E., distant about $1\frac{2}{10}$ cables, and Cornelian bay point, S. 1° W.

*Description.*—Black can buoy.

(b) *Position.*—In a depth of 4 fathoms, on the edge of the bank extending from Stanhope point, with Woodman point bearing S. 9° W., distant about $2\frac{1}{10}$ cables, and the south extreme of Slag bay point, S. 75° E.

*Description.*—Black can buoy.

2. Buoy withdrawn:

*Position.*—Off Reclamation works, Hobart, at a distance of 1½ cables, S. 3° E. from Macquarie point.

*Description.*—Black can buoy.

*Variation.*—10° E.

*Charts affected.*—No. 3090, Pavilion point to Risdon ferry (1).
„ 105, Port Hobart (2).

*Publication.*—Australia Directory, Vol. I, 1907, pages 701, 702, 699.

*Authority.*—Marine Board, Hobart, Notice dated 25th January 1909.

---

## EASTERN ARCHIPELAGO—SUMATRA, WEST COAST.

*Batu islands—Reef northward of.*

*No. 172 (first publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 426 of 1909), are republished:—

*Subject.*—A reef, not hitherto shown on the charts, exists to the northward of the Batu islands, west coast of Sumatra.

*Position.*—At a distance of about 16 miles, N. 9° E., from the west extreme of Pulo Pinie.

Lat. 0° 24′ 20″ N., long. 98° 33′ 00″ E.

*Depth.*—4½ fathoms.

*Description.*—About 2½ cables in extent.

*Variation.*—Nil.

*Charts affected.*—No. 2760, Sumatra, west coast.
„ 748*b*, Indian ocean, northern portion.

*Publication.*—China Sea Directory, Vol. I, 1906, page 374.

*Authority.*—Hague Notice, No. 389 of 1909.

---

## CHINA, EAST COAST—YANG TSE KIANG.

*Caution—Tungsha channel.*

*No. 173 (first publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 432 of 1909), are republished:—

*Subject.*—The undermentioned cautionary Notice has been received with regard to Tungsha channel, Yang tse kiang entrance.

*Position.*—Tungsha light vessel, lat. 31° 8½′ N., long. 121° 59½′ E.

*Caution.*—The present condition of Tungsha channel (northward of the light-vessel) is unknown; it should not therefore be used until further Notice.

*Chart temporarily affected.*—No. 1602, Approaches to the Yang tse kiang.

*Publication.*—China Sea Directory, Vol. III, 1904, pages 406, 411; Supplement, 1907.

*Authority.*—Shanghai Notice (special), No. 327, dated 6th February 1909.

*The 8th April 1909.*

## KOREA, SOUTH-EAST COAST—FUSAN HARBOUR.

*Channel rock (Uno se) light—Temporarily discontinued; Provisional light.*

*No. 162 (second publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 370 of 1909), are republished:—

*Subject.*—On the 15th January 1909, the fixed white light shown from Channel rock beacon, Fusan harbour, would be temporarily discontinued during reconstruction works, and the position of the beacon would be marked by a provisional light of the undermentioned character:—

*Position.*—Lat. 35° 6½′ N., long. 129° 4′ E.
*Provisional light.*—*Fixed red* lantern light.
*Chart temporarily affected.*—No. 1259, Fusan harbour.
*Publications.*—List of Lights, Part VI, 1909, No 933.

Sailing Directions for Japan, &c., 1904, page 119; Supplement 1906.

*Authority.*—Seoul Notice No. 59 of 1908.

---

## JAPAN—LIU KIU ISLANDS—AMAMI-O-SIMA.

*Yakiuchi bay—Reef.*

*Erratum.*

*No. 163 (second publication).*—In Notice to Mariners No. 9, dated 2nd January 1909, issued by this office (British Admiralty No. 1922 of 1908) the depth over the reef, now known as Ō se, mentioned in paragraph (*b*) of the above Notice, is 3 fathoms, and not 2¼ fathoms as stated.

*Authority.*—Tokyo Notice No. 1293 of 1908.

---

## AFRICA, EAST COAST—PEMBA ISLAND.

*Port George—Buoyage.*

*No. 164 (second publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 389 of 1909), are republished:—

*Subject.*—The undermentioned information has been received with regard to the buoyage in Port George, Pemba island.

1. Buoy established:

*Position.*—On south-eastern end of shoal, north-eastward of Kokota island, at a distance of 7 $\frac{3}{10}$ cables, N. 79° W., from the north extreme of Funzi island.

Lat. 5° 8′ S., long. 39° 38¾′ E.

*Description.*—Buoy, painted in red and white chequers.

2. Positions of buoys altered:

(*a*) Red can buoy.

*New Position.*—About 150 yards south-eastward from its former position, at a distance of 14½ cables S. 85° W. from Ras Tungwi.

Ras Tungwi, lat. 5° 4½′ S., long. 39° 42′ E.

(*b*) Red can buoy.

*New position.*—About 2½ cables eastward from its former position, at a distance of 8¼ cables, N. 69° W. from Ras Tungwi.

*Remarks.*—A conspicuous white house stands near the edge of the 60-foot bluff at Weti; it has been placed on the chart at a distance of 12¾ cables, N. 74° W., from Ras Tungwi.

*Variation.*—6° W.
*Charts affected.*—No. 1812, West coast of Pemba island.
" 1390, Chale point to Pangani.
*Publication.*—Africa Pilot, Part III, 1905, pages 443, 444.
*Authority.*—H.M.S. *Hermione*, Hydrographical Note No. 6 of 1909.

## CHINA, EAST COAST—LIAU RIVER.

*Newchwang light-vessel—Intended alteration in position.*

*No. 165 (second publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 392 of 1909), are republished :—

*Subject.*—At the opening of navigation in 1909, Newchwang light-vessel, Liau river, will be moved to a new position as undermentioned

*New position.*—In a depth of 28 feet, at a distance of $13\frac{1}{10}$ miles, N. 18° W., from Tower hill.

Lat. 40° 31¼′ N., long. 122° 1¼′ E.

*Remarks.*—In the new position, the light-vessel will be in line with the channel over the bar.

*Variation.*—4° W.

*Charts affected.*—No. 2894, Liau river.
,, 1256, Pe chili and Liau tung gulf.

*Publications.*—List of Lights, Part VI, 1909, No. 901.
China Sea Directory, Vol. III, 1904, pages 644, 647.

*Authority.*—Newchwang Notice No. 192, dated 12th February 1909.

---

## PACIFIC OCEAN—PHILIPPINE ISLANDS—MINDANAO.

*Tagolo point light—Normal character resumed.*

*No. 166 (second publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 393 of 1909), are republished :—

*Subject.*—The *occulting white* light on Tagolo point, Mindanao, which temporarily showed fixed white, has resumed its normal character.

*Position.*—Lat. 8° 44′ N., long. 123° 22′ E.

*Remarks.*—The characteristics of this light are as described in the Admiralty List of Lights.

*Chart affected.*—No. 2578, Sulu or Mindoro sea.

*Publications.*—List of Lights, Part VI, 1909, No. 609.
Eastern Archipelago, Part I, 1902, page 320 ; Supplement, 1906.
Notice to Mariners No. 607 of 1908. (*This office No. 214 of 22nd May 1908.*)

*Authority.*—United States Hydrographic Office, Notice No. 427 of 1909.

---

## AFRICA, EAST COAST.

*Town of Zanzibar—Position of British Consulate.*

*No. 167 (second publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 400 of 1909), are republished :—

*Subject.*—The British Consulate in the town of Zanzibar is now situated as undermentioned.

*Position.*—Flagstaff of new Consulate bears S. 25° E., distant 3½ cables, from flagstaff of former Consulate.

Lat. 6° 10′ S., long. 39° 11¼′ E.

*Remarks.*—The new Consulate is a white building with red roof, having a castellated tower on its southern end on which stands the flagstaff.

The former Consulate is now used as Government offices.

*Note.*—*For* "British Consulate" *read* "Government offices" on pages 414, 416, 417, 419, 420, 423, 424 of Pilot.

*Variation.*—7° W.

*Charts affected.*—No. 3211, Zanzibar harbour.
,, 665, Zanzibar harbour and approaches.
,, 640*b*, Pangani to Ras Kimbiji, etc.

*Publication.*—Africa Pilot, Part III, 1905, page 414; Supplement, 1908.

*Authority.*—H.M.S. *Hermione*, Hydrographical Note No. 5 of 1909.

## BAY OF BENGAL—BURMA, ARAKAN COAST.

*Oyster reef beacon—Disappearance of.*

*No. 168 (second publication).*—The following particulars, etc., relative to the above, issued by the Principal Port Officer, Burma, in Notice to Mariners, dated 22nd March 1909, are republished:—

*Particulars.*—The abovementioned beacon, previously reported as damaged, has now disappeared.

*Position.*—Lat 20° 5′ N., long. 92° 39′ E.

*Chart affected.*—No. 821. Elephant Point to Cheduba Strait.

*Publications.*—Bay of Bengal Pilot, 1901, page 255.

Calcutta Notice to Mariners, No. 178 of 1st May 1908.

*Authority.*—Port Officer, Akyab.

---

## BAY OF BENGAL—CHITTAGONG COAST.

*Karnafuli river—Depth of water in the channel.*

*No. 152 (third publication).*—

*Subject.*—The following depth of water was found in the channel by soundings taken on the 27th March 1909:—

*Descriptions:*—

*Track No. I, Outer bar*—

| | Ft. |
|---|---|
| Disc on diamond ... ... ... ... | 12 |

*Track No. II, Inner bar*—

| | |
|---|---|
| Disc on diamond ... .. ... ... | 12 |

*Charts affected.*—No. 84, Chittagong (Karnafuli) river.
,, 859, Mutlah river to Elephant Point.

*Publication.*—Bay of Bengal Pilot, 1901, 3rd edition, page 245.

*Authority.*—Port Officer, Chittagong.

---

## BAY OF BENGAL—ORISSA COAST, FALSE POINT.

*Reddie Spit—Beacon erected.*

*No. 153 (third publication).*—

*Subject.*—A beacon of the undermentioned description has been erected on Reddie Spit.

*Position.*—It bears from Huki Tala Flagstaff N. 5° E. (magnetic), distant 1 mile and 1 cable.

*Description.*—The beacon consists of a black-painted mast with an oblong basket on top.

*Elevation.*—50 feet high (base to truck).

*Charts affected.*—No. 755, False Point Anchorage, etc.
,, 814, The Sandheads, False Point to Mutlah river.
,, 1425, Gopalpur to False Point.

*Publication.*—Bay of Bengal Pilot, 1901, 3rd edition, page 198.

*Authority.*—Port Officer of Cuttack and Balasore Ports.

---

## AUSTRALIA, EAST COAST.

*Wide bay bar—Alteration in channel; Directions for crossing.*

*No. 154 (third publication).*—The Portmaster, Brisbane, has given notice (No. 2 of 1909) that when crossing the Wide Bay Bar the square beacons on Hook Point must now be kept in line bearing S. 75° W. until the triangular beacons on Inskip come in line bearing S. 45½° W., which will give a minimum depth of 17 feet at L.W.O.S.T. (this line will lead 150 feet east of the red buoy, which will shortly be removed). A mid-channel course must then be steered until the front triangular beacon at Inskip Point is passed, then proceed as heretofore.

Mariners are cautioned that the North Channel, Wide Bay Bar, is in a dangerous condition, and the greatest care should be exercised when crossing during bad weather. Strangers to the locality are cautioned not to attempt the channel unless during fine weather and daylight.

*Charts affected: Nos. 1030 and 1068, Australia Directory, vol. 2.*

## AUSTRALIA, SOUTH—Kangaroo island, Backstairs passage.

*Cape Willoughby—Subsidiary light.*

*No. 155 (third publication).*—With reference to Notice to Mariners No. 99, dated 25th February 1909, issued by this Office, the President of the Marine Board, Port Adelaide, has given further notice (No. 5 of 1909) that the Red Light mentioned therein is now exhibited from the lower part of the tower, and shows over the Scraper Shoal from about South by West until shut in by the high land of Cape St. Albans, and that the unwatched light at the last-mentioned Cape has been improved and is now plainly visible, showing White from East-South-East around by East to West by South, and Red from West by South until obscured by Cape Willoughby.

*This affects Admiralty Charts 2389b, 1014 and 25.*

---

## AUSTRALIA, SOUTH—Gulf of St. Vincent.

*Troubridge hill—Sunken vessel "Clan Ranald."*

*No. 156 (third publication).*—The President of the Marine Board, Port Adelaide, has given notice (No. 6 of 1909) that a Cheese-shaped Buoy, with staff and diamond, painted Green, has been placed to mark the sunken wreck of the S.S. *Clan Ranald.* The buoy is moored about thirty (30) fathoms south-west from the wreck in 10 fathoms of water, and the highest portion of the wreck has 2¼ fathoms over it at L.W.S. tides.

There is also a spar floating vertically attached to the wreck, the end of which shows about 3 feet above the surface at slack water, but disappears during the strength of the tide. The bearings from the wreck are Troubridge Hill, E. ½ S. mag., distant about one mile. Approximate position, lat 35° 10′ S.; long 137° 37′ E.

*This affects Admiralty Chart 2389a.*

---

## AUSTRALIA—Victoria—Portland bay.

*Whaler point light—Arc of visibility altered.*

*No. 157 (third publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 357 of 1909), are republished:—

*Subject.*—On or about the 1st March 1909, the arc of visibility of the *fixed green* light exhibited from Whaler point lighthouse, Portland bay, [illegible]uld be amended as undermentioned.

*Position.*—Lat. 38° 20½′ S., long. 141° 36¾′ E.

*Amended arc of visibility.*—From S. 49° W. through west to N. 50° W.

*Remarks.*—The light is now obscured over Minerva reef.

*Variation.*—6° E.

*Charts affected.*—No. 2504, Portland bay.
„ 1062, Rivoli bay to Cape Otway (inset).

*Publications.*—List of Lights, Part VI, 1909, No. 1265.

Australia Directory, Vol. I, 1907, page 390.

*Authority.*—Melbourne Notice No. 35, dated 12th January 1909.

---

## WESTERN AUSTRALIA—South coast.

*Mondrain island—Rock southward of.*

*No. 158 (third publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 366 of 1909), are republished:—

*Subject.*—A rock of the undermentioned description hitherto uncharted exists in the following position.

*Position.*—Lat. 34° 15′ 51″ S., long. 122° 13′ 30″ E., on chart No. 3189.

*Description.*— About 30 feet in height.

*Charts affected.*—No. 3189, Cape Le Grand to Cape Pasley.

„ 1059, Doubtful island bay to head of Great Australian bight.

*Publication.*—Australia Directory, Vol. I, 1907, page 129.

*Authority.*—Fremantle Notice, dated 4th January 1909.

---

## KOREA, EAST COAST—Yon Iru bay.

*Changii kutsu—Light and fog-signal established.*

*No. 159 (third publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 367 of 1909), are republished :—

*Subject.*—On the 20th December 1908, a light of the undermentioned character, and a fog-signal as described below, would be established on Changii kutsu (Cape Clonard), Yon Iru bay.

*Position.*—On point situated about 8 cables south-eastward from northern extremity of cape.

Lat. 36° 4′ 45″ N., long. 129° 34′ 10″ E. on chart No. 3666.

*Character.*—*Group flashing white* light, showing a group of *two* flashes *every thirty seconds.*

*Elevation.*—101 feet.

*Visibility.*—16 miles from the bearing N. 8° W. through west and south, to S. 69° E.

*Structure.*—White octagonal brick tower, 87 feet in height from the ground to centre of lantern.

*Order.*—4th.

*Fog-signal*—Siren, worked by compressed air, giving *one* blast *every minute*, thus :—

| Blast | silent interval. |
|---|---|
| 4 secs. | 56 secs. |

*Variation.*—5° W.

*Charts affected.*—No. 3666, Fusan harbour to Chukupen bay.

„ 3480, Shantung promontory to Nagasaki.

„ 2347, Nipon, Kiusiu, Shikoku, etc.

„ 2459, North-west Pacific ocean, etc.

„ 781, Pacific, north-west sheet.

*Publications.*—List of Lights, Part VI, 1909, page 205.

Sailing Directions for Japan, etc., 1904, page 131.

*Authority.*—Tokyo Notice, No. 1292 of 1908.

---

## KOREA, EAST COAST—Plaksin bay.

*Song chin—Light and fog-signal established.*

*No. 160 (third publication).*—The following particulars, etc., relative to the above, issued by the British Admiralty (No. 368 of 1909), are republished :—

*Subject.*—On the 20th December 1908, a light of the undermentioned character, and a fog-signal as described below, would be established at Song chin, Plaksin bay.

*Position.*—On Kilchu, southern point of Plaksin bay.

Lat. 40° 39′ 42″ N., long. 129° 14′ 5″ E., on chart No. 1316.

*Character.*—*Group flashing white* light, showing a group of *two* flashes *every twenty seconds.*

*Elevation.*—170 feet.

*Visibility.*—14 miles, from the bearing N. 29° E., through north, west and south, to S. 12° E.

*Structure.*—White octagonal concrete tower, 20 feet in height from base to centre of lantern.

*Order.*—6th.

*Fog-signal.*—Siren, worked by compressed air, giving *one* blast *every twenty-five seconds*, thus :—

| Blast, | silent interval |
|---|---|
| 5 secs. | 20 secs. |

*Remarks.*—The siren will be sounded twenty-four times when a vessel's whistle is heard. The signal will be repeated, if necessary, after an interval of five minutes.

*Variation.*—6° W.

*Charts affected.*—No. 1316, Cape Durooh to Linden point.
„ 2347, Nipon, Kiusiu, Shikoku, etc.
„ 2459, North-west Pacific ocean, etc.

*Publications.*—List of Lights, Part VI, 1909, No. 939.

Sailing Directions for Japan, &c., 1904, page 148.

*Authority.*—Tokyo Notice No. 1292 of 1908.

---

BAY OF BENGAL—BURMA COAST—MOULMEIN RIVER ENTRANCE.

*Green island light—Temporary discontinuance of (Provisional light).*

*No. 161 (third publication).*—The following particulars, etc., relative to the above, issued by the Principal Port Officer, Burma, in Notice to Mariners dated the 15th March 1909, are republished :—

*Subject.*—From the 25th May to the 9th June 1909, the existing White Flashing light on Green island will be discontinued during the installation of a more powerful light.

The character of the new light, when exhibited on or about the 10th June 1909, will be the same as formerly, namely, a White Flash every 15 seconds, but the intensity of the flash will be increased from 20,000 to 72,000 candles.

*Position.*
*(approx).*—Lat. 16° 4′ N.; long. 97° 33′ E.

*Provisional Light.*—During the period the existing light is shut down, a fixed white incandescent light, of about 1,300 candle power, will be exhibited from the interior of the existing lantern and a blue flare will also be exhibited once every half hour from the balcony of the light-house.

*Charts affected.*—No. 1845, Moulmein river.
„ 3481, Moulmein river to Yè river.
„ 823, Korongé island to White point.
„ 830, Bassoin river to Pulo Penang.
„ 70, Bay of Bengal.

*Publications.*—List of Lights, Part VI, 1908, No. 378.

Bay of Bengal Pilot, 1901, page 374.

*Authority.*—Principal Port Officer, Burma, Rangoon.

ST. L. S. WARDEN, COMDR., R.I.M.,
*Port Officer of Calcutta.*

REGISTERED No. C 209.]

No. 16 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, APRIL 21, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

## CONTENTS.


| | Page |
|---|---|
| Forecast of the *Rabi* Crops of Bengal, 1908-09 ... ... | 575—598 |
| Monthly Weather and Crop Report of Bengal for March 1909 ... ... ... ... ... ... ... | 599—600 |
| Weather and Crop Report for the week ending the 19th April 1909 ... ... ... ... ... ... | 601—606 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the weeks ending the 10th and 17th April 1909 ... ... ... ... ... ... | 607 |
| Table of Rainfall recorded at stations in Bengal in March 1909 ... ... .. ... ... .. | 608—613 |
| District Rainfall Table of the Province of Bengal for March 1909 ... ... ... ... ... ... ... | 614 |
| Vital Statistics of Districts and Towns in Bengal for the month of February 1909 ... ... ... ... | 615—616 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of February 1909 ... ... ... ... ... ... | 617—619 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of March 1909 ... ... ... ... ... ... ... | 620 |
| Report of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th and 11th to 17th April 1909 ... ... ... ... ... ... | 621—622 |
| Railway Returns ... ... ... ... ... ... | 623—627 |


## FORECAST OF THE *RABI* CROPS OF BENGAL, 1908-09.

THE following note is published for general information.

F. W. DUKE,

*Offg. Chief Secy. to the Govt. of Bengal.*

*The 13th April 1909.*

### DEPARTMENT OF AGRICULTURE, BENGAL.

### FORECAST OF THE *Rabi* CROPS OF BENGAL, 1908-09.

(On an average of the five years ending 1906-07, the area under summer rice, which is included in this forecast in the territory to which it relates, has represented some 0·2 per cent. of the total area under rice in British India.)

*Explanatory.*—The present forecast deals with the estimates of the area and outturn of the different *rabi* crops excluding wheat, cotton, oilseeds and sugarcane for which separate forecasts are published. Of these the principal

crops are summer rice, barley, gram and other food-crops (including oats, *rahar*, *kalai*, *mung*, peas, lentils, *khesari*, *kurthi*, buckwheat, *cheena*, potatoes, yams, melons and other vegetable crops). One-half of the *rabi* area of the Province is within the districts of the Patna and Tirhut Divisions, and of the rest, three-fifth is within the districts of the Bhagalpur and Presidency Divisions. In Burdwan, Orissa and Chota Nagpur Divisions the *rabi* crops are of minor importance.

*Character of the season.*—Sowings commenced in some districts as early as the latter part of September, but progress was retarded for want of sufficient moisture in the soil. The crops suffered from the absence of rain, especially in the unirrigated tracts of North Bihar. The rainfall received in the latter part of the month of January and in the beginning of February did much good to the crops but it was ill-distributed in Bihar, where the crop is most important. On the whole the season was unfavourable for the growth of the *rabi* crops in the Province.

*Area sown.*—The normal area under the different *rabi* crops in the Province dealt with in the forecast is now estimated at 7,929,300 acres. The area actually sown this year was 5,866,800 acres, *i.e.*, 123,900 acres less than last year.

*Outturn.*—The estimated percentage outturn in the 19 districts where the crop is most important is as follows:—

Burdwan, 78; Shahabad, 77; Saran, 73; Gaya and Singhbhum, 72; the Sonthal Parganas, 71; Khulna, 70; Champaran, 67; Monghyr, 60; Patna, 59; Bhagalpur and Palamau, 56; Muzaffarpur, Nadia and Midnapore, 55; Murshidabad, 51; Jessore, 46; Purnea, 36; and Darbhanga, 25.

According to the District Officers' estimates the outturn of the various *rabi* crops of the Province amounts to 60 per cent. of a normal crop, against 70 per cent. estimated last year. I am inclined to think, however, that the estimates of the Bihar District Officers especially are pessimistic and I estimate the return for the whole Province at 70 per cent. of a normal crop, the same as last year. The summer rice crop is estimated at 74 per cent. of the normal, and the gross outturn of the crop for the Province works out to 805,200 cwts., as compared with 814,100 cwts. of last year.

CALCUTTA,
*The 29th March 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

# APPENDIX I.

*Forecast of the* rabi *crops of 1908-1909.*

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Burdwan.. | 1,721,990 | 1,254,200 | Barley ... ... ... | 7,000 | 6,300 | 6,300 | 71 | 76 | 85,226 | 1889 to 1892 and 1905-04 to 1906-08. | 84 Not available. | October, November and December. | February and March. | Owing to want of seasonable rainfall, the condition of the crops is not satisfactory. The date of sowing and of harvesting was about normal. The decrease in the area and in the outturn is due to unfavourable weather and unsatisfactory condition of the crops. |
| | | | *Boro* or summer rice ... | 300 | 100 | 300 | 30 | 50 | | | | | | |
| | | | Gram ... ... ... | 9,100 | 7,000 | [illegible] | 58 | 60 | | | 193 Not available. | | | |
| | | | Other *rabi* cereals and pulses. | 51,200 | 44,500 | [illegible],500 | 71 | 78 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 40,000 | 35,500 | 36,000 | 75 | 79 | | | | | | |
| | | | Total food-crops ... | 107,600 | 93,400 | 94,300 | 72 | 78 | | | | | | |
| | | | Tobacco ... ... | 400 | 400 | 400 | 72 | 72 | | | 35 Not available. | | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 1,200 | 600 | 500 | 60 | 75 | | | | | | |
| | | | Total non-food-crops ... | 1,600 | 1,000 | 900 | 65 | 74 | ... | | ..... | | | |
| | | | Grand Total ... | 109,200 | 94,400 | 95,200 | 71 | 78 | 85,226 | | ... | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | | | | |
| Birbhum ... | 1,121,280 | 786,700 | Barley ... ... ... | 300 | 300 | 200 | 50 | 50 | 45,571 | 1889 to 1891 and 1906. | ... | Latter part of November. | Latter part of January. | The weather and general condition of the crops have not been favourable for want of rain. The date of sowing was normal and that of harvesting late. |
| | | | Gram ... ... ... | 7,000 | 6,500 | 5,000 | | | | | | | | |
| | | | Other *rabi* cereals and pulses. | 3,500 | 3,000 | 1,000 | | | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 1,000 | 1,000 | 500 | | | | | | | | |
| | | | Total food-crops .. | 11,800 | 10,800 | 7,700 | | | | | | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 700 | 700 | 500 | | | | | | | | |
| | | | Total non-food crops ... | 700 | 700 | 500 | 50 | 50 | .... | ..... | ... .. | .... | .. | |
| | | | Grand Total ... | 12,500 | 11,500 | 8,200 | 50 | 50 | 45,571 | ..... | ..... | ..... | ..... | |
| Bankura... | ,677,440 | 662,860 | Barley ... ... ... | 2,000 | 3,000 | 3,000 | 46 | 60 | 58,749 | 1889 to 1895 and 1903-04 to 1906-07. | Not known. | 13th November. | Not yet begun. | The weather was not favourable. The general condition of the crops is not satisfactory for want of seasonable rainfall. These causes account for the decrease in the area and outturn. The date of sowing and of harvesting was normal. |
| | | | *Boro* or summer rice ... | 800 | 500 | 500 | 48 | 60 | | | | 13th November. | | |
| | | | Gram ... ... ... ... | 6,500 | 6,300 | 6,300 | 36 | 60 | | | | 13th November. | 16th February. | |
| | | | Other *rabi* cereals and pulses. | 9,000 | 7,500 | 7,500 | 38 | 60 | | | | 18th November. | 15th January. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 3,500 | 3,600 | 3,600 | 45 | 60 | | | | | | |
| | | | Total food-crops ... | 21,800 | 20,900 | 20,900 | 40 | 60 | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Tobacco ... ... ... | 1,500 | 1,600 | 1,600 | 40 | 60 | | | | 7th November. 8th November. | Not yet begun. | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 9,600 | 13,500 | 13,500 | 40 | 60 | | | | | | |
| | | | Total non-food-crops ... | 11,100 | 15,100 | 15,100 | 40 | 60 | ... | | | | | |
| | | | GRAND TOTAL ... | 32,900 | 36,000 | 36,000 | 40 | 60 | 58,749 | | | | | |
| Midnapore | 3,319,040 | 2,190,600 | Barley ... ... ... | 1,200 | 900 | 600 | 69 | 50 | | | | Nov. and December. | February | |
| | | | *Boro* or summer rice ... | 6,000 | 5,400 | 4,400 | 88 | 74 | | | | October to December. | Not yet begun. | |
| | | | Gram ... ... ... | 2,500 | 2,300 | 2,300 | 60 | 61 | | | | November. | | |
| | | | Other *rabi* cereals and pulses. | 161,000 | 147,000 | 146,700 | 50 | 51 | | | | Oct. and November. | February | The weather was seasonable. The general condition of the crops have been fair. The date of sowing was late in the Sadar and normal in the other subdivisions. The date of harvesting was normal. |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 52,500 | 39,700 | 39,500 | 69 | 62 | 35,342 | 1893-1898 | 2,602 | October to December. | | |
| | | | Total food-crops ... | 223,200 | 195,300 | 193,500 | 55 | 54 | | | | | | |
| | | | Tobacco ... .. ... | 3,900 | 3,300 | 3,300 | 71 | 65 | | | | September to Nov. | End of February and onwards. | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 52,400 | 47,500 | 47,700 | 70 | 60 | | | | September to January. | | |
| | | | Total non-food-crops ... | 56,300 | 50,800 | 51,000 | 70 | 60 | ... | | | | | |
| | | | GRAND TOTAL ... | 279,500 | 246,100 | [illegible] | 58 | 55 | 35,342 | | 2,602 | | | |
| Hooghly ... | 761,210 | 445,900 | Barley ... ... ... | 1,900 | 1,600 | 1,400 | 62 | 75 | | | | Oct. and Nov. | February | The weather was not favourable at the time of sowing for want of rain. |
| | | | *Boro* or summer rice ... | 6,600 | 5,000 | 5,900 | 70 | 75 | | | | January... | Not begun. | |
| | | | Gram .. .. ... | 2,700 | 2,200 | 2,100 | 65 | 72 | | | | November | February | |
| | | | Other *rabi* cereals and pulses. | 5,400 | 4,200 | 4,200 | 66 | 72 | | | | Ditto | Ditto | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 10,300 | 10,100 | 10,300 | 75 | 79 | Not cadastrally surveyed | | | October and November. | End of January. | The date of harvesting was normal. |
| | | | Total food-crops ... | 27,000 | 23,100 | 23,900 | 70 | 76 | | | | | | |
| | | | Tobacco ... ... ... | 3,300 | 3,000 | 3,000 | 80 | 50 | | | | January... | Not begun | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 1,800 | 1,400 | 1,500 | 50 | 50 | | | | November | Ditto. | |
| | | | Total non-food-crops ... | 5,100 | 4,400 | 4,500 | 70 | 50 | | | | | | |
| | | | GRAND TOTAL ... | 32,100 | 27,500 | 28,400 | 70 | 72 | | | | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Howrah ... | 326,400 | 250,600 | *Boro* or summer rice ... | 6,500 | 6,700 | [illegible] | 99 | 50 | ... | ... | ... | Beginning of November. | Harvesting not yet begun. | The weather and condition of the crops have not been favourable. There was no sufficient moisture in the soil for want of rain, hence the decrease in the area and outturn. The date of sowing and of harvesting was normal. |
| | | | Other *rabi* cereals and pulses ... ... ... | 11,200 | 10,300 | 9,400 | 75 | 75 | ... | .. | ... | Middle of November. | Middle of February. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... | 7,600 | 7,500 | 7,200 | 94 | 77 | ... | ... | ... | Ditto. | Beginning of February. | |
| | | | Total food-crops ... | 25,300 | 24,500 | 21,[illegible]00 | 87 | 70 | ... | ... | .. | | | |
| 24-Parganas | 3,100,533 | 1088,700 | *Boro* or summer rice ... | 3,300 | 200 | 300 | 47 | 67 | ... | ... | ... | October to December. | January to February. | The figures for normal areas have been revised— The weather was fair on the whole. The general condition of the crops was favourable everywhere, except at Basirhat where it is reported to have been unfavourable for want of timely rain. |
| | | | Gram ... .. ... | 1,500 | 800 | 600 | 53 | 58 | ... | ... | ... | | | |
| | | | Other *rabi* cereals and pulses ... .. ... | 34,500 | 12,500 | 29,000 | 65 | 84 | ... | ... | ... | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... | 6,900 | 6,200 | 6,200 | 83 | 89 | ... | ... | ... | | | |
| | | | Total food-crops ... | 46,200 | 19,700 | 36,100 | 70 | 84 | ... | ... | ... | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Tobacco ... ... ... | 1,700 | 1,200 | 1,300 | 79 | 92 | ... | ... | ... | May to November. | January to February. Harvesting not yet commenced in Diamond Harbour and Barrackpore. | The date of sowing was normal everywhere, except at Basirhat where it was late. The date of harvesting was normal in Barasat, and late in the Basirhat and Sadar subdivisions. Harvesting has not yet commenced in the Diamond Harbour and Barrackpore subdivisions. |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. ... | 1,000 | 500 | 500 | 72 | 69 | ... | ... | ... | | | |
| | | | Total non-food-crops ... | 2,700 | 1,700 | 1,800 | 77 | 86 | | | | | | |
| | | | GRAND TOTAL ... | 48,900 | 21,400 | 37,900 | 71 | 84 | | | | | | |
| Nadia ... | 1,787,520 | 1,043,800 | Barley ... ... ... | 7,300 | 2,100 | 2,600 | 35 | 49 | | ... | ... | ... | Not yet begun. | The weather and general condition of the crops have not been favourable. |
| | | | *Boro* or summer rice ... | 400 | 2,300 | 2,500 | 48 | 63 | | ... | ... | ... | Middle of February. | The decrease in the area sown and in the estimated outturn is due to want of rainfall in October and November. The date of sowing and of harvesting was normal. |
| | | | Gram ... ... ... | 80,000 | 23,900 | 60,500 | 35 | 63 | | | | | | |
| | | | Other *rabi* cereals and pulses ... .. ... | 59,000 | 16,800 | [illegible],100 | 36 | 41 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... | 1,000 | 2,500 | 2,800 | 38 | 62 | Not cadastrally surveyed ... | | | Latter part of September, to middle of November. | ... | |
| | | | Total food-crops ... | 138,900 | 49,600 | 111,500 | 36 | 54 | | | | | | |
| | | | Tobacco ... ... ... | 20,600 | 5,600 | 6,400 | 65 | 72 | | ... | ... | ... | January | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 91,500 | 4,900 | 9,500 | 44 | 62 | | ... | ... | .. | February | |
| | | | Total non-food-crops ... | 111,500 | 10,500 | 15,900 | 55 | 66 | ... | | | | | |
| | | | GRAND TOTAL ... | 250,400 | 60,100 | 127,400 | 39 | 55 | ... | | | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 4 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Murshidabad. | 1,371,680 | 965,500 | Barley ... ... ... | 24,900 | 11,200 | 11,900 | 31 | 41 | ... | ... | ... | September and October. | February and March. | The date of sowing and of harvesting was normal. |
| | | | *Bors* or summer rice ... | 5,100 | 2,200 | 5,700 | 59 | 79 | ... | ... | ... | September to February. | January | |
| | | | Gram ... ... ... | 48,300 | 25,700 | 33,600 | 34 | 39 | ... | ... | ... | September to January. | February and March. | |
| | | | Other *rabi* cereals and pulses ... ... .. | 124,500 | 48,300 | 57,000 | 46 | 58 | ... | ... | ... | August to January. | January to March. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... ... | 10,500 | 8,200 | 9,000 | 60 | 50 | .. | ... | ... | August to November. | January and February. | |
| | | | Total food-crops ... | 213,300 | 95,600 | 117,200 | 43 | 51 | | | | | | |
| | | | Tobacco ... ... ... | 500 | 900 | 1,000 | 60 | 71 | ... | ... | ... | September to January. | January to March. | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. ... | 5,400 | 4,600 | 5,000 | 32 | 54 | ... | ... | ... | September to November. | Ditto. | |
| | | | Total non-food-crops ... | 5,900 | 5,500 | 6,000 | 37 | 57 | | | | | | |
| | | | Grand Total ... | 219,200 | 101,100 | 123,200 | 43 | 51 | | | | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jessore ... | 1,872,153 | 1,191,000 | Barley ... ... ... | 7,500 | 2,200 | 2,200 | 33 | 45 | ... | ... | ... | October and November. | February and March. | The season has been unfavourable for the growth of the *rabi* crops. There has consequently been a decrease in the area sown. The sowings were retarded for want of rain. |
| | | | *Boro* or summer rice ... | 2,500 | 3,200 | 3,100 | 50 | 48 | | | | | | |
| | | | Gram ... ... ... | 28,800 | 9,500 | 9,300 | 33 | 50 | | | | | | |
| | | | Other *rabi* cereals and pulses ... ... .. | 133,600 | 62,500 | 46,900 | 33 | 45 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... ... | 9,500 | 4,800 | 4,500 | 50 | 40 | | | | | | |
| | | | Total food-crops ... | 181,900 | 82,200 | 65,900 | 35 | 46 | | | | | | |
| | | | Tobacco ... ... ... | 27,700 | 12,300 | 12,000 | 50 | 45 | ... | ... | ... | Ditto. | Ditto. | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. ... | 3,200 | 2,600 | 2,500 | 50 | 45 | | | | | | |
| | | | Total non-food-crops ... | 30,900 | 14,900 | 14,500 | 50 | 45 | | | | | | |
| | | | GRAND TOTAL ... | 212,800 | 97,100 | 80,400 | 37 | 46 | | | | | | |
| Khulna ... | 3,049,016 | 570,000 | *Boro* or summer rice ... | 86,800 | 81,500 | 81,500 | 74 | 74 | | | | 1st November. | Not yet harvested | The weather and general condition of the crops have not been favourable. The date of sowing and of harvesting was normal this year. The decrease in the outturn is due to want of rain. |
| | | | Gram ... ... ... ... | 100 | 100 | 100 | 60 | 38 | | | | 4th November. | 4th February, | |
| | | | Other *rabi* cereals and pulses ... . ... | 10,800 | 6,500 | [illegible] | 60 | 57 | | | 1,198 | 1st November. | 1st February. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons and others ... ... ... | 2,000 | 1,600 | 1,600 | 60 | 40 | | | 658 | Ditto. | Ditto. | |
| | | | Total food-crops ... | 99,500 | 89,700 | 89,700 | 73 | 72 | 130,766 | 1903-04 to 1907-08. | 1,856 | | | |
| | | | Tobacco ... ... ... | 5,300 | [illegible] | 4,300 | 70 | 58 | | | 137 | 15th October. | 15th February. | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 11,700 | 9,000 | 9,000 | 75 | 54 | | | 1,363 | Ditto. | 4th February. | |
| | | | Total non-food-crops | 17,000 | 13,300 | 13,300 | 75 | 55 | | | 1,500 | | | |
| | | | GRAND TOTAL ... | 116,500 | 103,000 | 103,000 | 73 | 70 | 130,766 | | 3,356 | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Patna ... | 1,328,000 | 1,082,100 | Barley ... ... ... | 75,000 | 71,400 | [illegible] | 87 | 56 | | | 10,440 | | | The drought which continued up to December affected the sowing of the full normal area. The prospects were gloomy, but they have been improved by the recent rain. The decrease in the poppy cultivation is attributed to the high prices of food-grains, to great scarcity of water in certain tracts and to prevalence of malaria during the period of sowing. |
| | | | *Boro* or summer rice ... | 1,300 | 100 | [illegible] | 100 | 50 | | | | | | |
| | | | Gram .. .. ... | 82,100 | 75,600 | 72,900 | 70 | 59 | | | 3,113 | | | |
| | | | Other *rabi* cereals and pulses. | 90,600 | 88,100 | 73,300 | 72 | 58 | | | 15,771 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 16,100 | 16,100 | 13,900 | 90 | 57 | | | ... | | | |
| | | | Total food-crops ... | 265,100 | 252,300 | 223,500 | 77 | 58 | 73,164 | 1900 to 1901. | 29,323 | October to November 1908. | February and March. | |
| | | | Tobacco ... ... ... | 2,000 | 2,000 | 1,500 | 100 | 100 | | | 114 | | | |
| | | | Opium (poppy) ... ... | 16,200 | 7,900 | 6,700 | 80 | 70 | | | 46 | | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 7,800 | 7,800 | 6,900 | 96 | 65 | | | ... | | | |
| | | | Total non-food-crops ... | 26,000 | 17,700 | 15,100 | 89 | 72 | .. | | 160 | | | |
| | | | Grand Total ... | 291,100 | 270,000 | 240,600 | 78 | 59 | 73,164 | 1900 to 1901. | 29,483 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gaya ... | 3,015,680 | 2,113,100 | Barley ... ... ... | 79,400 | 34,300 | 46,600 | 63 | 78 | | | 15,216 | End of October and beginning of November 1908. | Not yet begun except of the *masoor* and peas which commenced in the middle of February 1909. | The weather was not favourable for want of rain early in the season, but the rainfall in January has much improved the condition of the crops. The date of sowing was generally normal. Harvesting is now going on, but will be late. |
| | | | Gram ... ... ... | 122,500 | 63,100 | 72,500 | 65 | 79 | | | 39,638 | | | |
| | | | Other *rabi* cereals and pulses. | 135,000 | 85,700 | 121,500 | 61 | 61 | | | 94,189 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 10,400 | 3,600 | 6,300 | 81 | 78 | | | 419 | | | |
| | | | Total food-crops ... | 407,300 | 186,700 | 253,900 | 63 | 70 | 517,900 | 1893-94 to 1901-02 and 1907-08. | 149,522 | | | |
| | | | Opium (poppy) ... ... | 50,700 | 40,000 | 36,400 | 75 | 83 | | | 7,004 | Ditto ... | Ditto ... | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 10,000 | 5,400 | 6,000 | 58 | 66 | | | 538 | Ditto ... | Ditto ... | |
| | | | Total non-food-crops ... | 60,700 | 46,000 | 42,400 | 73 | 81 | ... | | 7,542 | | | |
| | | | GRAND TOTAL ... | 468,000 | 232,700 | 296,300 | 65 | 72 | 517,900 | | 157,064 | | | |
| Shahabad .. | 2,600,843 | 1,843,600 | Barley ... ... ... | 73,000 | 49,000 | [illegible] | 50 | 82 | ... | ... | ... | 15th October. | Not yet commenced. | The increase in the area sown as compared with that of last year is due to the *hathiya* rain and also to the rainfall of January and February. The date of sowing this year was normal. Harvesting has not yet commenced except that of peas and *masoor*. |
| | | | *Boro* or summer rice ... | 3,000 | 1,200 | [illegible] | 70 | 82 | ... | ... | .. | | | |
| | | | Gram . ... . | 201,000 | 125,000 | [illegible] | 60 | 72 | .. | . | .. | | | |
| | | | Other *rabi* cereals and pulses. | 222,900 | 164,800 | [illegible] | 50 | 60 | . | ... | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 17,700 | 23,400 | 22,300 | 70 | 77 | ... | ... | ... | | | |
| | | | Total food-crops ... | 518,400 | 363,400 | 384,500 | 55 | 77 | .. | | ... | | | |
| | | | Tobacco ... ... ... | 300 | 300 | 300 | 75 | 78 | ... | ... | ... | | | |
| | | | Opium (poppy) ... ... | 22,500 | 10,500 | [illegible] | 90 | 83 | ... | .. | ... | | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 7,400 | 5,200 | 5,900 | 50 | 78 | ... | ... | ... | | | |
| | | | Total non-food-crops ... | 30,500 | 16,000 | 15,100 | 77 | 82 | .. | | ... | | | |
| | | | GRAND TOTAL ... | 548,900 | 379,400 | 399,600 | 56 | 77 | ... | | ... | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Sara ... | 1,711,286 | 1,357,200 | Barley ... ... ... | 360,400 | 229,700 | 245,[illegible] | 61 | 74 | Acres. | | Acres. 260,433 | 10th October | Not yet begun. | The increase in the area sown as compared with that of last year is due to more area sown with the crops on account of the failure of the paddy crop. The weather has been favourable and the general condition of the crops is good. The date of sowing was normal. Harvesting of only some of the crops has begun. The actual outturn of poppy during 1907-08 is reported to be 2,310 maunds and the estimated outturn during 1908-09, is 2,510 maunds. |
| | | | *Boro* or summer rice .. | 600 | 4,300 | 2,300 | 52 | 76 | | | ... | End of October. | | |
| | | | Gram ... ... ... | 58,700 | 50,500 | 51,300 | 65 | 70 | | | 58,707 | 10th October. | | |
| | | | Other *rabi* cereals and pulses. | 366,400 | 251,000 | 251,000 | 68 | 71 | | | ... | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons and others. | 37,600 | 34,200 | 31,100 | 70 | 76 | | | ... | | | |
| | | | Total food-crops ... | 723,700 | 0,300 | 57,500 | 65 | 72 | 1,633,435 | 1903 to 1901. | 312,140 | | | |
| | | | Tobacco ... ... ... | 500 | 500 | 500 | 67 | 73 | | | 483 | 15th September. | 1st January. | |
| | | | Opium (poppy) ... ... | 40,200 | 21,500 | 18,500 | 71 | 86 | | | 40,217 | 20th October. | 18th February. | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 7,600 | 4,800 | 7,200 | 67 | 84 | | | ... | 10th October. | Not yet begun. | |
| | | | Total non-food-crops ... | 48,300 | 26,800 | 26,200 | 70 | 85 | 1,633,435 | ... | 40,700 | | | |
| | | | Grand Total ... | 772,000 | 597,100 | 605,700 | 65 | 73 | .. | .. | 359,840 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Champaran | 2,259,840 | 1,447,600 | Barley ... ... ... | 214,100 | 191,100 | 177,600 | 57 | 68 | 2,259,840 | 1892 to 1899. | 214,100 | End of October and beginning of November. | Not yet commenced. | The decrease in the area sown this year is due to want of moisture. The weather was unfavourable owing to want of sufficient rain. The general condition of the crops has been poor. The date of sowing was normal. Harvesting has not yet commenced. |
| | | | *Boro* summar rice ... ... | ... | ... | 100 | .... | 50 | | | | | | |
| | | | Gram ... ... ... | 37,200 | 21,900 | 23,100 | 57 | 67 | | | 37,200 | | | |
| | | | Other *rabi* cereals and pulses. | 214,000 | 173,600 | 143,900 | 59 | 69 | | | 214,000 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 36,000 | 33,300 | 30,700 | 58 | 69 | | | 36,000 | | | |
| | | | Total food-crops ... | 501,300 | 419,900 | 375,400 | 58 | 68 | | | 501,300 | | | |
| | | | Tobacco ... ... ... | 2,500 | 900 | 900 | 70 | 70 | | | 2,500 | | | |
| | | | Opium (poppy) ... ... | 38,500 | 38,400 | 37,300 | 63 | 57 | | | 38,500 | | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 17,800 | 20,300 | 17,500 | 68 | 73 | | | 17,800 | | | |
| | | | Total non-food-crops ... | 58,800 | 59,600 | 55,700 | 65 | 63 | ... | ... | 58,800 | | | |
| | | | GRAND TOTAL ... | 560,100 | 479,500 | 431,100 | 59 | 67 | 2,259,840 | ... | 560,100 | | | |
| Muzaffarpur. | 1,942,400 | 1,627,000 | Barley ... ... ... | 296,600 | 250,000 | 227,000 | 85 | 47 | 1,942,400 | 1892-93 to 1898-99. | 296,600 | First week of October | Not yet commenced. | All *rabi* crops suffered at the outset both from west winds and lack of moisture. The outturn is generally poor except in irrigated tracts and in parts of the Hajipur subdivision. Harvesting has not yet begun. |
| | | | Gram ... ... ... ... | 43,800 | 13,000 | 41,000 | 80 | 56 | | | 43,800 | | | |
| | | | Other *rabi* cereals and pulses. | 385,800 | 350,000 | 198,000 | 60 | 63 | | | 385,800 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 77,800 | 77,000 | [illegible] | 85 | 64 | | | 77,800 | | | |
| | | | Total food-crops ... | 804,000 | 720,000 | 50[illegible],000 | 82 | 55 | | | 804,000 | | | |
| | | | Tobacco ... ... ... | 17,400 | 17,400 | 17,400 | 80 | 67 | | | 17,400 | First week of October. | | |
| | | | Opium (poppy) ... ... | 13,000 | 5,300 | 5,300 | 75 | 58 | | | 13,000 | First week of November. | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 51,900 | 51,900 | 47,000 | 85 | 46 | | | 51,900 | First week of October | | |
| | | | Total non-food-crops ... | 82,300 | 74,600 | 69,700 | 83 | 52 | ... | ... | 82,300 | | | |
| | | | GRAND TOTAL ... | 886,300 | 794,600 | 577,700 | 82 | 55 | 1,942,400 | ... | 886,300 | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Darbhanga | 2,142,690 | 1,678,000 | Barley ... ... ... | 172,200 | 150,400 | 103,300 | 100 | 25 | 2,142,690 | 1896 to 1903. | 172,200 | Between October and November. | Not yet commenced except tobacco, which has commenced in January-February. | The weather and general condition of the crops have been bad. The date of sowing was normal. |
| | | | *Boro* or summer rice ... | 300 | 100 | 100 | 100 | 25 | | | 300 | | | |
| | | | Gram ... ... ... ... | 36,000 | 42,600 | 42,[illegible] | 100 | 25 | | | 36,000 | | | |
| | | | Other *rabi* cereals and pulses. | 313,900 | 260,600 | 254,500 | 100 | 25 | | | 313,900 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 37,000 | 54,600 | 44,600 | 100 | 25 | | | 37,000 | | | |
| | | | Total food-crops ... | 559,400 | 514,700 | 444,500 | 100 | 25 | | | 559,400 | | | |
| | | | Tobacco ... ... ... | 28,600 | 35,600 | 32,900 | 100 | 25 | | | 28,600 | | | |
| | | | Opium (poppy) ... ... | 2,400 | 1,800 | 1,000 | 92 | 28 | | | 2,400 | | | |
| | | | Other *rabi* non-food-crops (not separately reported), *e.g.*, spices, oats, &c. | 82,700 | 54,500 | 26,500 | 100 | 25 | | | 82,700 | | | |
| | | | Total non-food-crops ... | 113,700 | 91,900 | 60,400 | 100 | 25 | ... | ... | 113,700 | | | |
| | | | Grand Total ... | 673,100 | 606,600 | 504,900 | 100 | 25 | ... | ... | 673,100 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monghyr | 2,510,000 | 1,883,800 | Barley ... ... ... | 123,200 | 65,800 | 56,200 | 70 | 57 | 985,552 | 1900 to 1904. | 32,000 | October | Beginning of March. | The weather was not quite favourable. Crops suffered to a certain extent for want of rain. The general condition has, however, been fair. The dates of sowing and harvesting were normal. |
| | | | *Boro* or summer rice ... | 3,500 | 3,300 | 2,500 | 63 | 50 | | | 2,500 | | | |
| | | | Gram ... ... ... | 135,000 | 96,900 | 98,300 | 72 | 60 | | | 47,300 | | | |
| | | | Other *rabi* cereals and pulses. | 300,000 | 341,800 | 292,000 | 64 | 61 | | | 194,200 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 55,000 | 27,200 | 27,600 | 68 | 61 | | | 23,000 | | | |
| | | | Total food-crops ... | 615,700 | 535,000 | 471,600 | 68 | 60 | | | 299,000 | | | |
| | | | Tobacco ... ... ... | 19,400 | 12,200 | 9,200 | 65 | 66 | | | 7,500 | | | |
| | | | Opium (poppy) ... | 19,600 | 9,700 | 6,800 | 51 | 44 | | | 19,000 | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 12,000 | 8,300 | 16,400 | 54 | 57 | | | 16,200 | | | |
| | | | Total non-food crops .. | 51,000 | 30,200 | 32,400 | 57 | 57 | ... | ... | 42,700 | | | |
| | | | GRAND TOTAL ... | 666,700 | 565,200 | 504,000 | 67 | 60 | 985,552 | ... | 341,700 | | | |
| Bhagalpur | 2,704,640 | 2,073,300 | Barley ... ... ... | 84,900 | 75,000 | 58,100 | 62 | 58 | 1,057,948 | 1902 to 1904. | 26,968 | Beginning of November. | Not yet commenced. | The general condition of the crops has been fair in the *diara* lands as well as in places where irrigation is available. In other places the condition is bad. The date of sowing was in most places a little early. The harvesting will commence in the usual time. |
| | | | Gram ... ... ... | 75,800 | 73,000 | 12,000 | 67 | 70 | | | 12,876 | | | |
| | | | Other *rabi* cereals and pulses. | 184,100 | 75,000 | 95,300 | 69 | 50 | | | 92,262 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 66,700 | 66,700 | 37,000 | 90 | 50 | | | 3,010 | | | |
| | | | Total food-crops ... | 411,500 | 289,700 | 341,400 | 72 | 57 | | | 135,116 | | | |
| | | | Tobacco ... ... ... | 8,000 | 8,000 | 6,400 | 76 | 53 | | | 1,468 | | | |
| | | | Opium (poppy) ... ... | 900 | 900 | 400 | 60 | 75 | | | ... | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 44,600 | 44,600 | 27,300 | 88 | 50 | | | 1,474 | | | |
| | | | Total non-food crops ... | 53,500 | 53,500 | 34,100 | 86 | 51 | ... | ... | 2,942 | | | |
| | | | GRAND TOTAL ... | 465,000 | 343,200 | 375,500 | 74 | 56 | 1,057,948 | ... | 138,058 | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Purnea ... | 3,193,153 | 1,694,400 | | | | | | | Acres. | | Acres. | | | |
| | | | Barley ... ... ... | 8,200 | 8,200 | 9,000 | 76 | 35 | | | | November. | Not yet begun. | The weather and general condition of the crops have been unfavourable from the beginning owing to continued drought. The date of sowing was normal. Some paddy-fields were sown with *rabi* crops on account of the failure of *aghani* paddy; hence more areas were sown with the crops this year than last year. |
| | | | *Boro* or summer rice ... | 500 | 500 | 600 | 100 | 35 | | | | | | |
| | | | Gram ... ... ... | 27,100 | 26,100 | 26,500 | 72 | 35 | | | | | | |
| | | | Other *rabi* cereals, and pulses. | 160,000 | 160,000 | 160,000 | 77 | 35 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported). *e.g.*, potatoes, yams, melons, and others. | 26,700 | 26,700 | 26,700 | 67 | 35 | 2,506,346 | 1901-02 & 1904-05 | ... | | | |
| | | | Total food-crops . | 222,500 | 221,500 | 222,700 | 78 | 35 | | | | | | |
| | | | Tobacco .. ... ... | 31,100 | 29,100 | 29,100 | 96 | 40 | | | | | February | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c | 7,300 | 7,300 | 7,300 | 65 | 40 | | | | | Not yet begun. | |
| | | | Total non-food crops .. | 38,400 | 36,400 | 36,400 | 90 | 40 | 2,506,346 | ... | ... | | | |
| | | | Grand Total ... | 260,900 | 257,900 | 259,100 | 80 | 36 | ... | ... | ... | | | |
| Darjeeling | 744,956 | 166,600 | Barley ... ... ... | 2,000 | 1,200 | 1,200 | 70 | 50 | 261,549 | 1897 to 1903 | 299 | October... | Not yet begun. | |
| | | | Other *rabi* cereals and pulses. | 2,600 | 2,100 | 2,100 | 77 | 73 | | | 4,492 | August ... | November. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 2,400 | 7,000 | 6,100 | 80 | 76 | | | 2,362 | October ... | January. | |
| | | | Total food-crops ... | 7,000 | 10,300 | 9,400 | 78 | 73 | 261,549 | ... | 7,153 | | | |
| | | | Tobacco ... ... ... | 600 | 400 | 280 | 80 | 70 | ... | ... | 442 | Ditto ... | March | |
| | | | Other *rabi* non-food crops (not separately reported, *e.g.*, spices, oats, &c.) | ... | 500 | 500 | 70 | 70 | ... | ... | 524 | December | Not yet begun. | |
| | | | Total non-food crops ... | 600 | 900 | 700 | 74 | 70 | ... | ... | 966 | | | |
| | | | Grand Total ... | 7,600 | 11,200 | 10,100 | 78 | 73 | 261,549 | ... | 8,119 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sonthal Parganas. | 3,809,800 | 1,545,300 | Barley ... ... ... | 28,100 | 15,400 | 15,800 | 62 | 63 | | | 19,830 | 1st June | 30th Nov. | There was practically no rain in the district from the beginning of October to the end of January. The condition of of the crops is consequently indifferent, though recent showers have improved it. The date of sowing was late in the Godda, Jamtara and Pakour subdivisions and normal elsewhere. |
| | | | *Boro* or summer rice ... | 1,500 | 900 | 1,000 | 100 | 100 | | | ... | 1st Jan. | ... | |
| | | | Gram ... ... ... ... | 41,000 | 24,700 | 24,100 | 87 | 76 | | | 29,280 | 15th Oct. | 25th Jan. | |
| | | | Other *rabi* cereals and pulses. | 139,200 | 93,800 | 117,300 | 49 | 71 | | | ... | 15th ,, | 30th Nov. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 2,000 | 1,300 | 1,300 | 70 | 100 | | | ... | 1st ,, | ... | |
| | | | Total food-crops ... | 201,800 | 136,100 | 159,400 | 58 | 71 | 3,272,009 | 1889-1903. | 49,119 | | | |
| | | | Tobacco ... ... ... | 1,300 | 1,100 | 1,100 | 53 | 75 | | | 869 | 1st Nov. | | |
| | | | Total non-food crops ... | 1,300 | 1,100 | 1,100 | 53 | 75 | | | 869 | | | |
| | | | GRAND TOTAL ... | 203,100 | 137,200 | 160,500 | 58 | 71 | 3,272,009 | ... | 49,979 | | | |
| Cuttack ... | 2,338,560 | 1,223,500 | Barley ... ... ... ... | 2,100 | 200 | [illegible] | 75 | 62 | | | 557 | 1st Dec. | 15th Feb. | The weather was not favourable. The general condition of the crops is not good owing to the total cessation of rain since October last. The date of sowing and of harvesting was normal this year. The decrease in the area sown this year as compared with that of last year is due to the fact that some *saradh* lands were sown with *rabi* crops last year on account of the failure of winter rice. |
| | | | *Boro* or summer rice ... | 8,000 | 18,900 | [illegible] | 72 | 85 | | | 17,435 | 15th Nov. | Not yet begun. | |
| | | | Other *rabi* cereals and pulses. | 58,800 | 177,300 | 158,500 | 67 | 66 | | | 162,719 | End of Sept. | 1st Jan. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 5,900 | 2,300 | 2,800 | 80 | 54 | | | 20,786 | Ditto ... | Ditto ... | |
| | | | Total food-crops ... | 74,800 | 198,700 | 177,100 | 68 | 67 | 2,088,437 | 1888 to 1895 & 1901 to 1905. | 201,497 | | | |
| | | | Tobacco ... ... ... | 5,200 | 7,300 | 7,100 | 76 | 72 | | | 3,200 | Last week of Oct. | Not yet begun. | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 19,400 | 19,000 | 19,200 | 61 | 52 | | | 134 | | | |
| | | | Total non-food crops ... | 24,600 | 26,300 | 26,300 | 65 | 57 | | | 3,334 | | | |
| | | | GRAND TOTAL ... | 99,400 | 225,000 | 203,400 | 68 | 66 | 2,088,437 | ... | 204,831 | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Balasore ... | 1,834,368 | 932,200 | *Boro* or summer rice ... | 1,300 | 1,300 | 1,300 | 62 | 75 | 1,066,778 | 1891-92 to 1894-95 | 424 | 2nd week of Dec. | Not yet begun. | The weather was unfavourable to the crops for want of rain at the beginning of the season. Later rain has done much good. The outturn will be below the normal for want of moisture at the time of growth. The date of sowing was normal. |
| | | | Other *rabi* cereals and pulses. | 10,000 | 15,000 | [illegible] | 42 | 50 | | | 8,131 | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 5,200 | 5,200 | 5,200 | 75 | 75 | | | 3,635 | | | |
| | | | Total food-crops ... | 16,500 | 21,500 | 21,500 | 51 | 58 | | | 12,250 | 15th October. | 31st January. | |
| | | | Tobacco ... ... ... | 100 | 100 | 100 | 100 | 100 | | | 17 | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 3,500 | 3,500 | 3,500 | 100 | 100 | | | 2,500 | | | |
| | | | Total non-food-crops ... | 3,600 | 3,600 | 3,600 | 100 | 100 | ..... | ..... | 2,517 | | | |
| | | | GRAND TOTAL ... | 20,100 | 25,100 | 25,100 | 58 | 64 | 1,066,778 | ..... | 14,767 | | | |
| Angul ... | 1,067,283 | 263,000 | Gram ... ... ... | 100 | 100 | 100 | 20 | 20 | 575,283 | 1888-89 and 1906-08. | ..... | Last week of October. | End of December. | The general condition of the crops was not good. The decrease in the area and outturn was due to want of rain throughout the season. |
| | | | Other *rabi* cereals and pulses. | 63,300 | 10,000 | 23,000 | 20 | 35 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 2,100 | 500 | 1,500 | 50 | 50 | | | | | | |
| | | | Total food-crops ... | 64,500 | 10,600 | 24,600 | 21 | 35 | ..... | ..... | ..... | | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Tobacco ... ... | 1,000 | 1,000 | 1,000 | 90 | 97 | ... | ... | ... | 1st week of Oct. | Middle of Feb. | The date of sowing was late and that of harvesting normal. |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, etc. | 9,600 | 9,000 | 9,600 | 100 | 80 | ... | ... | ... | | | |
| | | | Total non-food crops ... | 10,600 | 10,000 | 10,600 | 99 | 82 | ... | ... | ... | | | |
| | | | GRAND TOTAL ... | 75,100 | 20,600 | 35,200 | 59 | 50 | 575,283 | ... | ... | | | |
| Puri ... | 1,899,360 | 750,200 | *Boro* or summer rice ... | 9,300 | 13,600 | 11,800 | 74 | 79 | | | 18,377 | Jan. and Feb. | April and May. | The general condition of the crops was fair. |
| | | | Gram ... ... ... ... | 4,400 | 2,500 | 2,000 | 57 | 49 | | | 64,266 | Nov., Dec. and Jan. | Feb. and March. | The decrease in the area sown is due to want of timely rain this year. The date of sowing was late. |
| | | | Other *rabi* cereals and pulses. | 65,300 | 30,200 | 35,300 | 66 | 58 | | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons and others. | 1,400 | 6,100 | 2,200 | 85 | 77 | | | 2,044 | Oct. and Nov. | Jan. and Feb. | |
| | | | Total food-crops ... | 80,400 | 52,400 | 51,300 | 70 | 63 | 1,274,790 | 1888-89 | 84,629 | | | |
| | | | Tobacco ... ... ... | 1,600 | 200 | 200 | 76 | 77 | | | 157 | Jan. | April. | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 200 | 400 | 300 | 68 | 54 | | | 32 | Oct. | Feb. | |
| | | | Total non-food crops ... | 1,800 | 600 | 500 | 7[illegible] | 63 | | | 189 | ..... | | |
| | | | GRAND TOTAL ... | 82,200 | 53,000 | 51,8[illegible] | 70 | 63 | 1,274,790 | | 84,818 | ..... | | |
| Sambalpur | 2,447,360 | 845,300 | Gram ... ... ... ... | 100 | (48) | [illegible] | 60 | 90 | | | 581 | 15th Oct. | 15th Feb. | The figures given in the *rabi* forecast for the year 1907-08 was only an estimate, but now the actual area has been given in column 6 after careful checking. The season was a favourable one for the crops. The date of sowing and of harvesting was normal. |
| | | | Other *rabi* cereals and pulses ... ... ... | 3,200 | 6,800 | 7,900 | 75 | 90 | | | 47 | Ditto. | Ditto. | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... ... ... | 2,900 | 3,000 | 3,000 | 75 | 105 | | | 1,886 | 25th Sept. | Dec. to April. | |
| | | | Total food-crops ... | 6,200 | 9,800 | 10,100 | 75 | 94 | 2,447,260 | 1884-87 and 1891-97 | 2,516 | | | |
| | | | Tobacco ... ... ... | 500 | 500 | 800 | 75 | 105 | | | 541 | 15th Oct. | 15th Mar. | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 200 | 600 | 600 | 75 | 105 | | | 227 | 15th Sept. to 1st Nov. | Ditto. | |
| | | | Total non-food crops ... | 700 | 1,100 | 1,400 | 75 | 105 | | | 768 | | | |
| | | | GRAND TOTAL ... | 6,900 | 10,900 | 11,500 | 75 | 96 | | | 3,284 | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908) | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Hazaribagh | 4,493,440 | 1,768,000 | Barley ... ... ... | 14,600 | 8,000 | [illegible] | 30 | 70 | ... | ... | ... | October | February | The weather and general condition of the crops were fair. The date of sowing and of harvesting was normal this year. |
| | | | Gram ... ... | 23,900 | 6,800 | 11,100 | 20 | 67 | ... | ... | ... | | | |
| | | | Other *rabi* cereals and pulses. | 35,700 | 13,000 | 30,000 | 30 | 73 | ... | ... | ... | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 3,000 | 7,800 | 4,500 | 30 | 68 | ... | ... | ... | | | |
| | | | Total food-crops ... | 77,000 | 35,600 | 55,700 | 28 | 71 | ... | ... | ... | | | |
| | | | Tobacco ... ... ... | 600 | 200 | 100 | 60 | 72 | ... | ... | ... | | | |
| | | | Opium (poppy) ... ... | 9,000 | 4,600 | 1,600 | 70 | 73 | ... | ... | ... | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 12,800 | 5,100 | 8,600 | 40 | 55 | ... | ... | ... | | | |
| | | | Total non-food crops ... | 21,600 | 9,700 | 10,300 | 53 | 58 | ... | ... | ... | | | |
| | | | Grand Total ... | 98,600 | 45,300 | 66,200 | 33 | 69 | ... | ... | ... | | | |
| Ranchi ... | 4,561,920 | 1,500,000 | Barley ... ... ... | 300 | 100 | 200 | 40 | 75 | The district is being surveyed. | | | November Beginning of February. | Not yet begun. | The weather has not been very favourable to the crops. The date of sowing was normal. Harvesting has not yet begun. |
| | | | *Boro* or summer rice ... | 900 | 300 | 800 | 40 | 75 | | | | | | |
| | | | Gram ... ... ... | 1,000 | 100 | 800 | 40 | 75 | | | | November. | | |
| | | | Other *rabi* cereals and pulses. | 10,400 | 2,000 | 10,000 | 40 | 75 | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons and others. | 1,500 | 400 | 400 | 40 | 75 | | | | | | |
| | | | Total food-crops ... | 14,100 | 2,900 | 12,200 | 40 | 75 | | | | | | |
| | | | Tobacco ... ... ... | 300 | 100 | 200 | 40 | 75 | | | | November. | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 300 | 100 | 300 | 40 | 75 | | | | | | |
| | | | Total non-food crops ... | 600 | 200 | 500 | 40 | 75 | ... | ... | | | | |
| | | | GRAND TOTAL ... | 14,700 | 3,100 | 12,700 | 40 | 75 | | | | | | |
| | | | Barley ... .. ... | 28,000 | 5,000 | 6,000 | 70 | 60 | | | 3,808 | November | 2nd half of Feb. 1909. | The dates of sowing were normal. The date of harvesting is expected to be early. |
| | | | *Boro* or summer rice . | 500 | ... | ... .. | .. | ... | | | 3 | | | |
| | | | Gram .. ... ... .. | 65,000 | 4,000 | 6,000 | 50 | 60 | | | 6,497 | | | |
| | | | Other *rabi* cereals and pulses. | 90,000 | 10,000 | 10,000 | 45 | 50 | | | 17,895 | | | |
| Palamau... | 3,144,960 | 637,600 | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 1,000 | 500 | 500 | [illegible] | 90 | 187,520 | 1896-99 | 78 | | | |
| | | | Total food-crops ... | 184,500 | 19,500 | 22,500 | 53 | 56 | | | 28,276 | | | |
| | | | Opium (poppy) ... ... | 700 | ..... | ..... | ... | ... | | | | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 6,000 | 400 | 200 | 40 | 50 | | | | | | |
| | | | Total non-food crops ... | 6,700 | 400 | 200 | 40 | 50 | | | 28,276 | | | |
| | | | GRAND TOTAL ... | 191,200 | 19,900 | 22,700 | 53 | 56 | | | | | | |

| District. | Total area of the district in acres. | Total area of the district estimated to be under cultivation in acres. | Names of *rabi* crops. | Approximate normal area under each specified *rabi* crop in acres. | Approximate area last year under each specified *rabi* crop in acres (1907-1908). | Estimated area this year under each specified *rabi* crop in acres (1908-1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Date at which the harvesting of the crops was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Manbhum | 2,654,080 | 1,419,200 | Barley ... ... ... | 3,200 | 700 | 1,700 | 50 | 75 | Not cadastrally surveyed | | | Middle of November | Middle of March. | The weather was not very favourable for want of rain in October and November. The general outlook of the crops was fair. The dates of sowing and harvesting were normal. |
| | | | *Boro* or summer rice ... | 100 | ... | ... | | | | | | ... | | |
| | | | Gram ... ... ... ... | 2,600 | 1,700 | 2,000 | | 67 | | | | Middle of November. | Middle of March. | |
| | | | Other *rabi* cereals and pulses | 55,000 | 21,500 | 27,900 | 50 | | | | | Ditto | Ditto | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... | 200 | 100 | 100 | 35 | 55 | | | | October | February. | |
| | | | Total food-crops ... | 61,100 | 24,000 | 31,700 | 50 | 65 | | | | | | |
| | | | Tobacco ... ... ... | 1,000 | 1,600 | 1,500 | 50 | 58 | | | | Middle of October. | 1st part of February. | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. .. | 3,500 | 3,500 | 3,500 | 50 | 70 | | | | November | March. | |
| | | | Total non-food crops .. | 7,500 | 5,100 | 5,000 | 50 | 66 | | | | | | |
| | | | GRAND TOTAL ... | 68,600 | 29,100 | 36,700 | 50 | 65 | | | | | | |
| Singhbhum | 2,490,240 | 840,700 | Barley ... ... ... | 800 | 500 | 800 | 60 | 68 | | 1895 to 1897 | 373 | 15th Dec. | | |
| | | | *Boro* or summer rice ... | 300 | 200 | 300 | 60 | 72 | | | | — | | |
| | | | Gram ... ... ... | 8,000 | 3,400 | 8,000 | 60 | 72 | | | 3,340 | January ... | | |
| | | | Other *rabi* cereals and pulses ... .. ... | 120,000 | 56,200 | 120,000 | 60 | 72 | | | 72,114 | 15th Dec. | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others. | 500 | 400 | 500 | 61 | 69 | | | 265 | ... | |
| | | | Total food-crops ... | 129,600 | 60,700 | 129,600 | 60 | 72 | | | | | |
| | | | Tobacco ... ... .. | 300 | 300 | 300 | 60 | 78 | 1,761,284 | and 1900 to 1902. | 215 | ... | The crops have not yet been harvested. |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 500 | 400 | 500 | 60 | 67 | | | 203 | ... | |
| | | | Total non-food crops ... | 800 | 700 | 800 | 60 | 71 | | | .. | | |
| | | | GRAND TOTAL ... | 130,400 | 61,400 | 130,400 | 60 | 72 | | | 76,572 | | |
| Bengal ... | 74,117,041 | 39,100,500 | Barley ... ... ... .. | 1,518,100 | 1,183,600 | 1,113,000 | 73 | 60 | | | | | |
| | | | *Boro* or summer rice ... | 149,500 | 151,800 | 148,100 | 73 | 74 | | | | | |
| | | | Gram ... ... .. ... | 1,151,800 | 754,300 | 845,100 | 67 | [illegible] | | | | | |
| | | | Other *rabi* cereals and pulses ... .. | 3,669,600 | 2,752,600 | 2,737,000 | 67 | 59 | | | | | |
| | | | Other *rabi* food-crops (not separately reported), *e.g.*, potatoes, yams, melons, and others ... ... | 553,900 | 518,100 | 431,[illegible] | 73 | 61 | | | | | |
| | | | Total food-crops ... | 7,042,900 | 5,360,400 | 5,294,600 | 6[illegible] | [illegible] | | | | | |
| | | | Tobacco ... ... ... | 189,600 | 151,400 | 144,100 | 52 | 50 | | | | | |
| | | | Opium (poppy) ... ... | 214,000 | 140,600 | 122,900 | 71 | 71 | | | | | |
| | | | Other *rabi* non-food crops (not separately reported), *e.g.*, spices, oats, &c. | 482,800 | 338,300 | 305,200 | 74 | 56 | | | | | |
| | | | Total non-food crops ... | 886,400 | 630,300 | 572,200 | 75 | 58 | | | | | |
| | | | GRAND TOTAL ... | 7,929,300 | 5,990,700 | 5,866,800 | 70 | 70* | | | | | |

* As estimated by this Department.

# APPENDIX II.

*Abstract Statement of the Estimated Acreage and Outturn of the Summer Rice Crop, 1908-1909.*

| Province. | Acreage. | | | | | | | Outturn in Cwt. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Of current year's crop. | Of previous year's crop. | Average of five preceding years (viz., 1902-1903 to 1906-1907). | Average of ten preceding years (viz., 1897-98 to 1906-1907). | Percentage by which column 2 exceeds (+) or falls short of (—) area in | | | Estimated yield of current year, i.e., of area in column 2. | Yield of previous year, i.e., of area in column 3. | Average of five preceding years (viz., 1902-1903 to 1906-1907). | Average of ten preceding years (viz., 1897-98 to 1906-1907). | Percentage by which column 9 exceeds (+) or falls short of (—) outturn in | | |
| | | | | | Column 3. | Column 4. | Column 5. | | | | | Column 10. | Column 11. | Column 12. |
| 1 | 2 | 3 | 4 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Bengal ... ... ... | 148,100 | 251,800 | 169,400 | 177,400 | —2·44 | —12·57 | —16·51 | 805,200 | 814,100 | 1,112,000 | 1,184,000 | —1·09 | —27·59 | —31·99 |

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR MARCH 1909.

*Character of the Rainfall.*—The month was practically rainless. There were showers in parts of Orissa and Chota Nagpur and in Bankura, Midnapore, the 24-Parganas, Jessore and Khulna. The usual rainfall table is appended.

II. *Progress of Agricultural operat iops.*—Planting of the sugarcane crop and preparation of lands for the autumn crops continued, but cultivation was retarded in many districts for want of rain. Harvesting of *rabi* crops was in progress and pressing of sugarcane was almost completed. *Mahua* commenced falling in Hazaribagh, Palamau and Manbhum.

III. *State of standing crops.*—*Boro* paddy suffered in Midnapore and Howrah through want of rain and newly planted sugarcane and vegetables have been doing well in Orissa and Chota Nagpur.

IV. *Prospects and probable outturn of harvests.*—The outturn of *rabi* crops is poor in the unirrigated tracts of North Bihar. A crop 70 per cent. of the normal is estimated for the whole Province. The outturn of *mahua* was good.

V. *Damage to crops.*—There was no serious damage to standing crops. Some damage was done to mango and *mahua* blossoms by hailstorms in Ranchi.

VI. *Condition of Agricultural stock.*—The condition of agricultural stock was, on the whole, fair. Cattle-disease was reported from parts of Burdwan, Birbhum, Midnapore, Nadia, Murshidabad, Jessore, Patna, Gaya, Muzaffarpur, Darbhanga, Monghyr, Purnea, Sambalpur and Chota Nagpur, Singhbhum excepted. The water-supply is scarce in many parts of North Bihar as well as in parts of Birbhum, Murshidabad, Jessore, Khulna, Gaya, Monghyr and the Sonthal Parganas. Measures are being taken for the excavation of tanks and the boring of wells in North Bihar for the supply of water to cattle.

VII. *Failure of pasturage and fodder.*—Fodder was reported to be insufficient in parts of Jessore, Khulna, Gaya, Champaran, Darbhanga, Monghyr, Purnea, the Sonthal Parganas and Cooch Bihar.

VIII. *Prices of food-grains.*—During the second fortnight of the month the price of common rice rose in 13 districts and fell in seven districts and remained stationary in the rest of the Province. It ranged from 8 seers in Howrah and Darjeeling to 15 seers in Angul. The prices of staple food-grains were generally cheaper than during the corresponding period of last year.

IX. *Condition of the labouring classes and agricultural population.*—Distress prevailed amongst the poorer classes in many parts of North Bihar owing to scarcity. Test-works continued in Muzaffarpur, Darbhanga, Bhagalpur and Purnea. Gratuitous relief was given in the districts of Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Palamau and Puri. The number of persons on famine relief-works in Darbhanga tends to increase.

CALCUTTA,
*The 17th April 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Statement showing the Rainfall in each district during March 1909.*

| Division. | District. | Normal district rainfall for the month of March. | Actual district rainfall for the month of March 1909. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 1·06 | Nil | —1·06 |
| | Birbhum ... | 0·67 | Nil | —0·67 |
| | Bankura ... | 1·00 | 0·01 | —0·99 |
| | Midnapore ... | 1·13 | 0·08 | —1·05 |
| | Hooghly ... | 1·28 | Nil | —1·28 |
| | Howrah ... | 1·02 | Nil | —1·02 |
| | 24-Parganas ... | 1·29 | 0·01 | —1·28 |
| | Calcutta ... | 1·14 | Nil | —1·14 |
| | Nadia ... | 1·48 | Nil | —1·48 |
| | Murshidabad ... | 0·90 | Nil | —0·90 |
| | Jessore ... | 1·81 | 0·02 | —1·79 |
| | Khulna ... | 1·49 | 0·01 | —1·48 |
| Bihar ... | Patna ... | 0·36 | Nil | —0·36 |
| | Gaya ... | 0·42 | Nil | —0·42 |
| | Shahabad ... | 0·26 | Nil | —0·26 |
| | Saran ... | 0·16 | Nil | —0·16 |
| | Champaran ... | 0·44 | Nil | —0·44 |
| | Muzaffarpur ... | 0·38 | Nil | —0·38 |
| | Darbhanga ... | 0·38 | Nil | —0·38 |
| | Monghyr ... | 0·35 | Nil | —0·35 |
| | Bhagalpur ... | 0·44 | Nil | —0·44 |
| | Darjeeling ... | 1·76 | Nil | —1·76 |
| | Purnea ... | 0·49 | Nil | —0·49 |
| | Sonthal Parganas ... | 0·43 | Nil | —0·43 |
| Orissa ... | Cuttack ... | 1·17 | 0·06 | —1·11 |
| | Balasore ... | 1·49 | 0·26 | —1·23 |
| | Angul ... | 0·96 | 0·28 | —0·68 |
| | Puri ... | 0·90 | Nil | —0·90 |
| | Sambalpur ... | 0·96 | 0·08 | —0·88 |
| Chota Nagpur | Hazaribagh ... | 0·70 | Nil | —0·70 |
| | Ranchi ... | 0·66 | 0·19 | —0·47 |
| | Palamau ... | 0·51 | Nil | —0·51 |
| | Manbhum ... | 0·82 | 0·03 | —0·79 |
| | Singhbhum ... | 0·76 | 0·07 | —0·69 |

## WEATHER AND CROP REPORT.

*For the week ending the 19th April 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | ... | 9½ | 9½ | Rainfall general and sufficient. Weather seasonable. Preparation of lands for *bhadoi* crops continuing. Sowing of jute going on. Planting of sugarcane nearly finished. Cattle-disease reported from the Asansol subdivision. Fodder sufficient. |
| 2 | BIRBHUM ... | 3·19 | 9 | 9½ | Rainfall at Rampur Hât 0·60 inch. Weather cloudy. Fodder sufficient. Dearth of water still in some places although supply improved by rain. Stocks of food-grains sufficient till next harvest. |
| 3 | BANKURA ... | 1·57 | 10½ | 10½ | Rainfall at Vishnupur 1·02 inches. Weather seasonable. Lands being prepared for *aus* and *aman* paddy. Cattle-disease reported from outpost Simlapal. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 2·89 | 10 | ... | Rainfall at Contai 2·44, at Tamluk 1·03 and at Ghatal 1·41 inches. Harvesting of summer rice commenced in the Ghatal subdivision. Sowing of autumn rice commenced. Prospects of summer rice and tobacco fair. Outturn of sugarcane estimated at 75 per cent. in the Tamluk subdivision. Cattle-disease in Dantan, Mohanpore, Benapur, Salbani, Gopiballavpur and Jhargaon. Common rice selling at 12 seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 2·38 | 9 | 9 | Weather seasonable. Stocks of food-grains sufficient. No likelihood of scarcity. Prices of food-grains stationary. Fodder and water sufficient. More rain wanted. No cattle-disease. |
| 6 | HOWRAH ... | 3·60 | 8 | 8 | Weather seasonable. Prospects of *boro* paddy gloomy. More rain wanted for sowing of jute and *aus* paddy. Vegetable crops and sugarcane benefited by the recent rain. No cattle-disease reported. Condition of agricultural stock fair. Fodder and water sufficient. |
| 7 | 24-PARGANAS | 1·96 | 9¾ | 9¾ | Weather seasonable. Common rice selling at 8 seers per rupee at Barasat, 10 seers at Basirhat, 10½ seers at Diamond Harbour and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 1·79 | 8⅝ | 9 11/16 | Rainfall at Kushtia 1·73, at Chuadanga 3·22, at Meherpur 1·85 and at Ranaghat 4·97 inches. Lands being prepared for *bhadoi* paddy. Sowing of jute continuing. Prices of staple food-grains risen. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Karimpore and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 1·54 | 9½ | 9½ | Good shower of rain received in the Sadar subdivision. Weather cloudy at the Sadar subdivision. Harvesting of *rabi* crops continuing only in the Jangipur subdivision. Condition of mulberry and *boro* paddy much improved in the Kandi subdivision by the recent rain. Lands being prepared for *aus* and *aman* paddy. Condition of agricultural stock good. Fodder sufficient, but water insufficient in certain places in the Jangipur subdivision. Cattle-disease reported only from Domkal thana. Scarcity of drinking water still felt in Bhagwangola and Sagardighi thanas. |
| 10 | JESSORE ... | 1·11 | 9 3/32 | 9 3/16 | Rainfall at Jhenidah 1·16, at Magura 2·12, at Narail 1·13 and at Bangaon 7·48 inches. Weather cloudy. Fall general. More rain wanted. Sowing operation commenced. Fodder and water insufficient. Cattle-disease reported from the Bongaon subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | 0·70 | 10 | 10 | Rainfall at Bagerhat 1·95 and at Satkhira 2·55 inches. Weather cloudy with occasional slight rain. Prices of staple food-grains almost stationary. Stocks of food-grains sufficient till next harvest. No apprehension of famine. No cattle-disease. Fodder and water insufficient in some places. Condition of agricultural stock good. |
| 12 | PATNA ... | 0·83 | 9<br>15¼* | 9¼<br>15¾* | Weather cool and cloudy. *Rabi* crops being threshed and winnowed. Planting of sugarcane in progress. Food-stock resources supplemented by imports. No cattle-disease. Fodder and water for cattle available with difficulty in the Bihar subdivision. |
| 13 | GAYA ... | 0·37 | 10†<br>13½* | 10 9/16†<br>15⅜* | Weather seasonable, later cloudy. Sugarcane and *china* doing well. Prices risen. Fodder and water for cattle sufficient, except in parts of the Nawadah and Aurangabad subdivisions. Cattle-disease reported from two villages in the Sadar subdivision. |
| 14 | SHAHABAD ... | 0·16 | 9½<br>15* | 9½<br>15* | Rainfall at Sasaram 0·02 inch. Planting of sugarcane and threshing of *rabi* crops continuing. Prices of food-grains stationary. Food-stocks under normal. Agricultural stock in normal condition. Fodder and water sufficient. |
| 15 | SARAN ... | 0·23 | 10<br>15½* | 10<br>15½* | Rainfall at Siwan 0·29 inch. Weather cloudy. Threshing of *rabi* crops still going on. Prices of staple food-grains stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |
| 16 | CHAMPARAN ... | 3·36 | 9<br>15½* | 9<br>15½* | Rainfall at Bettiah 0·77 inch (up to the 17th instant). Weather cool. Harvesting of *rabi* crops practically finished. Rainfall of this week general and very beneficial. Fields being prepared for *bhadoi* and winter rice. Condition of agricultural stock moderate. Cattle-disease reported from two villages in thana Shikarpur. Prospects of fodder and water improved. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 17 | MUZAFFARPUR | 2·03 | 9<br>15* | 9<br>15* | Weather cool and occasionally cloudy. Good rain in the Sitamarhi subdivision. Common rice and maize selling at 8¼ and 15 seers a rupee, respectively, at Hajipur and at 8¼ and 14¾ seers a rupee, respectively, at Sitamarhi. Cattle-disease reported from parts of Pupri, Belsand and Sitamarhi thanas. Harvesting of *rabi* crops completed. Sowings of early crops commenced in many places. Fodder still sufficient. Water-supply running low in many places, but improved by the recent rain. Scarcity existing in parts of the Sitamarhi subdivision. Number of persons on test-works on the 17th instant—559 men, 767 women and 278 children—total 1,604. Number of persons on gratuitous relief and in poor-houses on the 15th instant—713. |
| 18 | DARBHANGA ... | 1·30 | 8½<br>13½* | 8½<br>13½* | Weather cloudy. Good and general rainfall during the week which will be very beneficial. Lands being prepared for the next season's crops. Food-stocks sufficient. Cattle-disease reported in seven villages. Fodder available. Number of persons on relief-works on the 15th instant—51,438; the number gratuitously relieved, 25,464. |
| 19 | MONGHYR ... | 0·37 | 8½<br>13½* | 8½<br>13½* | Weather rainy and cloudy. Harvesting of *rabi* crops finished. Sowings of paddy going on. Prices of food-grains stationary. Cattle-disease reported from Gogri and Bariarpur. Water scarce in the Jamui subdivision and in some places in Kharagpur thana. |
| 20 | BHAGALPUR ... | 0·90 | 8⅞<br>13⅞* | 8⅞<br>13⅞* | Weather seasonable and cloudy. Rainfall heavier in the affected tract and much good done by it. Harvesting of *rabi* crops almost finished. Outturn poor except in the *diaras* and irrigated lands. Steps taken to deal with cattle-disease in Dogmara and Daparkha. Fodder and water sufficient. Prices of staple food-grains stationary. 132 men, 361 women and 258 children—total 751—relieved gratuitously in Madhipura and 360 men, 1,089 women and 1,797 children—total 3,246—in Supaul. 138 men, 185 women and 58 children—total 381—on test-works in Madhipura and 531 men, and 369 women and 121 children—total 1,021—in Supaul, besides a large number on private works. |
| 21 | PURNEA ... | 1·94 | 10†<br>12½* | 10†<br>12* | Rainfall at Kishanganj 2·28 and Araria 3·77 and at Forbesganj 2·87 inches. Weather cloudy and rainy. Immense good done and *bhadoi* sowings facilitated by the recent rain. Mangoes destroyed to some extent by storm. Cattle-disease reported from Katihar and Gopalpur thanas. 150 men, 293 women and 4 children—total 447—relieved gratuitously. Common rice (local) selling at 8 seers a rupee at Sadar and Araria, and at 7½ seers a rupee in Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 1·37 | 8<br>14* | 8<br>14* | Rainfall at Siliguri 3·65 inches. Weather seasonable. Hills—Wheat, barley and oilseeds being harvested. Maize and potatoes being sown. Terai—Lands being prepared for jute and other *bhadoi* crops Immense good done to cultivators by the recent rain. Sowing of jute and other *bhadoi* crops commenced in places. Agricultural stock in good condition. |
| 23 | SONTHAL PARGANAS. | 0·50 | 10¼<br>12* | 10 9/16<br>12* | Rainfall at Deoghur 0·10, Godda 0·27, Jamtara 1·07, Pakour 0·50 and at Rajmahal 1·53 inches. Weather cloudy. Outturn of *mahua* good. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Fodder and water insufficient in Godda, Pakour and Rajmahal. |
| 24 | CUTTACK ... | 0·36 | 10½ | 11 5/32 | *Achna* cotton growing. Sugarcane being transplanted. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 2·69 | 12 | 12 | Rainfall at Bhadrak 0·97 inch. Weather seasonable. Ploughing of fields and planting of sugarcane continuing. Harvesting of *dalua* paddy commenced. Vegetables doing well. No cattle disease. Fodder and water and food-stocks sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary at the Sadar subdivision and rising at the Bhadrak subdivision. |
| 26 | ANGUL ... | 0·66 | 15 | 15 | Weather hot and cloudy. Condition of agricultural stock good. Common rice selling at 10½ seers per rupee at the Khondmals. Fodder and water available. |
| 27 | PURI ... | 1·25 | 10½ | 9 3/16 | Rainfall at Khurda 0·52 inch. *Mung* and castor being harvested. Common rice selling at 10½ seers per rupee at Khurda. 26 men, 115 women and 236 children—total 377—attending kitchens; 12 men, 158 women and 6 children—total 176—receiving gratuitous relief. |
| 28 | SAMBALPUR ... | 0·40 | 12½ | 10½ | Weather occasionally cloudy. Fields being prepared for the sowing of *kharif* crops. Sugarcane plants being manured and watered. Condition of vegetables good. Rinderpest and foot-and-mouth disease in both the tahsils. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Common rice selling at 14⅝ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 0·35 | 8½ / 12* | 8½ / 12* | Weather cool and cloudy. Prospects of standing crops good. Fodder and water and food-stocks sufficient. Cattle-disease reported from two thanas. |
| 30 | RANCHI ... | 0·16 | 9 | 9 | Weather cloudy. Ploughing continuing. *Tewa dhan* doing well. Cattle-disease reported from ten thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 9 | 9 | Weather cloudy. Harvesting of *rabi* crops and gathering of *mahua* nearly finished. Outturn good. Sugarcane being irrigated. Fodder and water available. Some cattle-disease. 217 persons on gratuitous relief in pargana Japla. Decrease in the figures due to reaping of *rabi* crops and falling of *mahua*. |
| 32 | MANBHUM ... | 1·73 | 11 | 11 | Weather seasonable. State of standing crops good. *Mahua* ripe and still falling. Fodder and water sufficient. Cattle-disease reported from thanas Nirsha and Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 9 | 9 | Weather cloudy. Ploughing of lands stopped for want of rain. Condition of cattle good. Fodder and water sufficient. Common rice selling at 10 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 2·69 | 8 | 8 | Weather seasonable and cloudy. Harvesting of tobacco finished. Sowing of jute continuing. Prices of staple food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | |

| Name of State. | Rainfall in inches. |
|---|---|
| Keonjhar ... | 1·55 |
| Athgarh ... | 0·25 |
| Mayurbhanj ... | 0·15 |
| Ranpur ... | 0·30 |
| Patna ... | 0·53 |
| Bonai ... | 0·62 |
| Baud ... | 0·80 |
| Nayagarh ... | 0·05 |
| Kalahandi ... | 1·63 |
| Nilgiri ... | 0·24 |
| Pal-Lahara ... | 0·88 |
| Daspalla ... | 0·29 |
| Narsinghpur... | 0·31 |
| Hindol ... | 1·50 |
| Baramba ... | 0·21 |

Harvesting of *Chaita mung* going on in Pal-Lahara, of *dalua* paddy in Narsingpur, and of castor seed in Athmallik. The estimated outturn of *dalua* paddy 13 annas and of *sonemung* 8 annas in Athgarh, and of *mahul* (*mahua*) 16 annas in Mayurbhanj. State of sugarcane good in Athgarh, Dhenkanal, Ranpur, Baud, Nayagarh and Kalahandi. Fodder and water sufficient. Price of rice varying from 9 seers in Keonjhar and 12 seers in Narsingpur and Mayurbhanj to 17 seers in Patna and 18 seers in Talcher.

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 10th April 1909.

GENERAL SUMMARY.—Good rain has fallen in all districts, except Palamau and Singhbhum. Champaran, Muzaffarpur, Darbhanga and Purnea have been specially fortunate. The standing crops have been greatly benefited and agricultural operations are in full swing. Sowings of the autumn crops have commenced in many districts. The harvesting of *boro* paddy has commenced in Orissa and Midnapore. The outturn of *Mahua* is good. Mango crops in Purnea suffered from a storm. The price of rice has risen in Birbhum, Nadia, Jessore, Patna, Gaya, the Sonthal Parganas, Cuttack and Hazaribagh; it has fallen in Puri and Sambalpur. Cattle-disease is reported from Burdwan, Bankura, Midnapore, Nadia, Murshidabad, Jessore, Gaya, Champaran, Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, Purnea, Sambalpur and Chota Nagpur, Singhbhum excepted. The Collectors of Jessore, Khulna, Gaya and the Sonthal Parganas report insufficient fodder, and water is still scarce in parts of Birbhum, Murshidabad, Jessore, Khulna, and Gaya. The recent rain has greatly benefited North Bihar in this respect. Test-works in Muzaffarpur and Bhagalpur were attended by 3,006 persons and the famine reliefs in Darbhanga by 54,438. In Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Palamau and Puri 31,391 people received gratuitous relief.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 20th April 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 10th April 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo | Week ending Saturday, the 10th April 1909. | | | Week ending Saturday, the 11th April 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... | 536 | 1,18,468 | 1,850 | 202 | 62,720 | 955 |
| Jute ... ... | 57 | 37,925* | 458 | 91 | 39,395† | 473 |
| Firewood ... ... | 33 | 43,550 | 697 | 19 | 14,435 | 236 |
| Other articles ... ... | 754 | 2,45,877 | 2,926 | 587 | 2,01,874 | 2,241 |
| Total ... | 1,380 | 4,45,820 | 5,931 | 899 | 3,18,424 | 3,905 |

* Weight by canal measurement, 45,675 maunds.
† Ditto ditto, 47,625 ..

CALCUTTA,
*The 19th April 1909.*

R. H. HALFHIDE,
for *Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 17th April 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 17th April 1909. | | | Week ending Saturday, the 18th April 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 171 | 46,845 | 646 | 315 | 92,105 | 1,203 |
| Jute ... ... | 56 | 37,125* | 332 | 102 | 32,865† | 445 |
| Firewood ... ... | 22 | 18,450 | 314 | 51 | 32,850 | 519 |
| Other articles ... ... | 496 | 2,01,377 | 2,148 | 614 | 3,14,810 | 2,680 |
| Total ... | 745 | 3,03,797 | 3,440 | 1,082 | 3,72,630 | 4,847 |

* Weight by canal measurement, 38,575 maunds.
† Ditto ditto, 35,562½ ..

CALCUTTA,
*The 20th April 1909.*

R. H. HALFHIDE,
for *Under-Secy. to the Govt. of Bengal.*

## TABLE OF RAINFALL RECORDED A

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan. | Burdwan | Kalna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Burdwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Katwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raniganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mankur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Birbhum | Suri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hetampur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur Hat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bolpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Murari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Labpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Bankura | Bankura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Vishnupur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Maliara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khatra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Indas | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kotalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Onda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangajalghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonamukhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Midnapore | Pachet | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Contai | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tamluk | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Midnapore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ghatal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kukrahaty | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amlagura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Panskura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dantan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandrakona | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagwanpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gopibalhavpore. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Silda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Goaltore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Herta | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Janka (Khejari). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Hooghly | Serampore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hooghly | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Arambagh* (Jahanabad). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Howrah | Howrah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohesreka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ulubaria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Amta* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Presidency. | 24-Parganas | Saugor Island | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Diamond Harbour. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Budge-Budge* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Canning Town | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Alipore (Obsy.) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barrackpore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dum-Dum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barasat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Basirhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Fraserganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Nadia | Ranaghat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Krishnagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chuadanga | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Meherpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kushtia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Haringhata | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Murshidabad | Kandi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Berhampore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Lalbagh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Azimganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jangipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Lalgola | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Akriganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Patkabari | | | | | | | | | | | | | | | | | | | | |
| | | | Dumkal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kullyanganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jessore | Narail | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jessore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jhenida | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Magura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bangaon | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Khulna | Satkhira | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bagerhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khulna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kaliganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nakipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dumuria* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kalaroa* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Paikgachha* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mollahat* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Morelganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tala* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Bihar. | Patna. | Patna | Patna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dinapore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bihar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bikram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hilsa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Islampur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Asthawan* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Gaya | Aurangabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gaya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nawadah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jahanabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arwal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Daudnagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shorghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rajauli | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pakri Barawan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Deo* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nebinagar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN MARCH 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. 1908 to 31st Mar. 1909. | Average rainfall from 16th Oct. to 31st Mar. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·10 | Nil | 1·27 | Nil | 2·66 | 5·04 | Kalna | Burdwan ... | Burdwan. | South-West Bengal. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·16 | Nil | 1·24 | Nil | 0·15 | 4·88 | Burdwan | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·87 | Nil | 1·17 | Nil | 0·61 | 4·87 | Katwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·48 | Nil | 0·76 | Nil | 1·10 | 3·98 | Raniganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·40 | Nil | 0·87 | Nil | 1·11 | 3·27 | Mankur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·38 | Nil | 0·78 | Nil | 0·80 | 4·03 | Suri | Birbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·31 | Nil | 0·66 | Nil | 0·97 | 3·65 | Hetampur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·11 | Nil | 0·80 | Nil | 0·10 | 4·01 | Rampur Hât. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·47 | Nil | 0·98 | Nil | 1·12 | 3·78 | Bolpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·45 | Nil | 0·63 | 2·96 | Murari. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·33 | Nil | 0·52 | 3·28 | Labpur. | | | |
| ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | Nil | 1·76 | Nil | 1·30 | Nil | 0·20 | 4·76 | Bankura ... | Bankura ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·14 | 0·10 | 1·21 | 0·10 | 0·31 | 4·36 | Vishnupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·71 | Nil | 0·70 | Nil | 1·27 | 3·86 | Malhara | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·86 | Nil | 1·14 | Nil | 0·52 | 4·33 | Khatra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·69 | Nil | 0·92 | Nil | Nil | 3·45 | Indas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·50 | Nil | 1·09 | Nil | 0·09 | 3·01 | Kotalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·69 | Nil | 0·60 | Nil | 0·37 | 2·85 | Onda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·44 | Nil | 0·81 | Nil | 0·23 | 3·42 | Gangajalghati | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·80 | Nil | 1·41 | Nil | 0·72 | 4·80 | Raipur. | | | |
| ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | ... | ... | Nil | 1·27 | Nil | 0·78 | Nil | 0·36 | 3·79 | Sonamukhi. | | | |
| ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | Nil | ? | 0·09 | ? | 0·09 | 0·09 | ? | Pachet ... | Midnapore ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | | 1·90 | 0·16 | 1·10 | 0·13 | 0·71 | 7·89 | Contai. | | | |
| ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | ... | 0·31 | | 2·40 | 0·31 | 1·51 | 0·31 | 0·86 | 5·39 | Tamluk. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·59 | 0·07 | 1·39 | 0·07 | 0·37 | 5·85 | Midnapore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·29 | Nil | 1·43 | Nil | 0·10 | 4·13 | Ghatal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·77 | Nil | 0·85 | Nil | 0·36 | 4·22 | Kukrahaty. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | 1·34 | Nil | Nil | ? | Andagura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·38 | Nil | 0·61 | Nil | 0·81 | 2·93 | Panskura | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·29 | Nil | 0·59 | Nil | 0·50 | 3·48 | Dantan. | | | |
| ... | ... | ... | ... | 0·14 | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·51 | ? | Chandrakona. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 1 | ? | 0·21 | ? | 0·14 | 0·83 | ? | Bhagwanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | ... | ? | Gopibalhavpore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | | Nil | ... | ? | Silda. | | | |
| ... | ... | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·55 | ? | 0·55 | ... | ? | Goaltore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | ... | ? | Heria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | Nil | ? | 0·04 | ? | 0·04 | ... | ? | Janka (Khejari). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | [illegible] | Nil | 1·13 | Nil | 0·12 | 5·22 | Serampore ... | Hooghly ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | [illegible] | Nil | 1·58 | Nil | 0·16 | 5·39 | Hooghly. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | [illegible] | Nil | 1·15 | Nil | 0·09 | 4·41 | *Arambagh* (Jahanabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | [illegible] | Nil | 1·46 | Nil | [illegible] | 5·40 | Howrah | Howrah ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | [illegible] | Nil | 1·03 | Nil | 0·97 | 4·31 | Mohesrekha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | 0·58 | Nil | 0·56 | 2·78 | Ulubaria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·24 | ? | *Amta.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·81 | Nil | 1·18 | Nil | 0·30 | 7·82 | Saugor Island | 24-Parganas ... | Presidency. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·05 | Nil | 1·24 | Nil | 0·72 | 5·92 | Diamond Harbour. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·38 | ? | *Budge-Budge.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·87 | Nil | 1·27 | Nil | 0·47 | 5·29 | Canning Town. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·00 | Nil | 1·14 | Nil | 0·49 | 4·48 | Alipore (Obsy.). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·23 | Nil | 1·35 | Nil | 0·10 | 5·35 | Barrackpore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·97 | Nil | 1·28 | Nil | Nil | 5·32 | Dum-Dum. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | Nil | 2·07 | 0·05 | 1·19 | 0·05 | 0·32 | 5·60 | Barasat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·30 | Nil | 1·55 | Nil | 0·02 | 5·35 | Basirhat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·19 | Nil | 1·44 | Nil | 0·15 | 5·25 | Fraserganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·97 | Nil | 1·11 | Nil | 0·35 | 4·63 | Ranaghat ... | Nadia ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·29 | Nil | 1·50 | Nil | 0·64 | 5·70 | Krishnagar | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·26 | Nil | 1·78 | Nil | 0·69 | 5·44 | Chuadanga. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·45 | Nil | 1·59 | Nil | 0·86 | 5·66 | Meherpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Kushtia | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·65 | Nil | 0·93 | Nil | 0·57 | 4·45 | Haringhata. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·78 | Nil | 1·05 | Nil | 0·27 | 4·25 | Kandi | Murshidabad | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·52 | Nil | 0·88 | Nil | 0·33 | 3·71 | Berhampore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·41 | Nil | 0·89 | Nil | 0·74 | 3·74 | Lalbagh | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·83 | Nil | 0·64 | Nil | 0·99 | 3·57 | Azimganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·61 | Nil | 0·93 | Nil | 0·63 | 4·39 | Jangipur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·57 | Nil | 0·92 | Nil | 0·40 | 4·20 | Lalgola. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·85 | | 0·67 | | | 3·31 | Akriganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·68 | Nil | 1·16 | Nil | 0·13 | 4·02 | Patkabari. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·31 | ? | Dumkal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·76 | Nil | 1·78 | Nil | 0·07 | 6·46 | *Kullyanganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·13 | Nil | 1·82 | Nil | 0·10 | 6·73 | Narail | Jessore ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·63 | Nil | 1·90 | Nil | 1·70 | 6·25 | Jessore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·07 | Nil | 2·10 | Nil | 0·99 | 6·00 | Jhenida | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | | 1 | 2·35 | 0·12 | 1·47 | 0·12 | 0·12 | 5·54 | Magura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | Nil | 2·60 | 0·04 | 1·92 | 0·04 | 0·17 | 5·81 | Bangaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·31 | Nil | 1·62 | Nil | 0·15 | 6·80 | Satkhira | Khulna .. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·77 | Nil | 1·79 | Nil | 0·02 | 6·32 | Bagerhat | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·05 | ? | Khulna. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·27 | Nil | 0·94 | Nil | 0·20 | 5·21 | *Kaliganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·59 | ? | Nakipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·09 | Nil | 1·18 | Nil | 0·04 | 5·67 | *Dumursa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Rampal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·03 | ? | *Kalaroa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·49 | ? | *Paikgachha* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·86 | ? | *Mollahat.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | Nil | ? | 0·03 | ? | 0·03 | 0·03 | ? | *Morelganj* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·74 | Nil | 0·35 | Nil | 0·62 | 3·15 | *Tala.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·33 | Nil | 0·28 | 2·96 | Patna | Patna .. | Patna. | Bihar. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·84 | Nil | 0·36 | Nil | 0·71 | 3·13 | Dinapore | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·97 | Nil | 0·34 | Nil | 0·22 | 2·76 | Bihar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·32 | Nil | 0·39 | 3·17 | Barh | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·48 | Nil | 0·50 | 3·37 | Bikram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·37 | ? | Hilsa | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·84 | ? | *Islampur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | ? | ? | *Asthawan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·03 | Nil | 0·39 | Nil | 1·20 | 2·83 | Aurangabad | Gaya ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·03 | Nil | 0·48 | Nil | 1·85 | 3·23 | Gaya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·44 | Nil | 0·69 | 2·88 | Nawadah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·34 | Nil | 0·34 | 2·60 | Jahanabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·41 | Nil | 1·09 | 3·21 | Arwal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·20 | Nil | 0·44 | 2·65 | Daudnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·90 | Nil | 0·52 | Nil | 2·15 | 3·69 | Sherghati. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·63 | Nil | 0·35 | 3·24 | Rajauli. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·80 | Nil | 0·44 | Nil | 0·88 | 2·46 | Pakri Barawan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·30 | ? | *Deo.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·78 | ? | *Nabinagar.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar—concluded. | Patna—concluded. | Shahabad ... | Buxar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dehri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhabhua | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sasaram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arrah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohanea | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Agonson | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Koath | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sikroul | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bassowan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Akberpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Saran ... | Gopalganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Siwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ekma | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chapra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hathwa* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amnor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Basantpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Darauli* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhoreh* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Sripur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Champaran ... | Motihari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bettiah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bagaha | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Burhurwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ramnagar* | | | | | | | | | | | | | | | | | | | | |
| | | | *Narkotiaganj* | | | | | | | | | | | | | | | | | | | | |
| | | | *Kissoriah* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dhanaha* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Muzaffarpur . | Sitamarhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Muzaffarpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hajipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Paru | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mahua | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shiuhar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pupri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Darbhanga ... | Tajpur (Samastipur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Darbhanga | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Madhubani | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bahera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rosera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khutonia* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ladania* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Laukahi* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khajouli* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Banipatti* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Madhupur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Bhagalpur. | Monghyr .. | Begusarai | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monghyr | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamui | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gogri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shaikhpura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chakai Bamda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chupreon | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gidhour | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Bhagalpur . | Madhipura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bangaon (Syfabad). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Supaul | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pratapganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Colgong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bansil | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Darjeeling ... | Siliguri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Darjeeling | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kalimpong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mongpoo | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kurseong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pedong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Purnea ... | Kishanganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Araria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Purnea | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gondwara (*Kurah*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barsoe | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Forbesganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kaliaganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Sonthal Parganas. | Rajmahal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Godda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pakaur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Naya Dumka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Deoghur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamtara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mohagama* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nanihat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Assenboni | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Katikund | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Madhupur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sarwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sarath | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Poorya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Moneapur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hiranpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Harnarwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sambganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bario* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amrapura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN MARCH 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. 1908 to 31st March 1909. | Average rainfall from 16th Oct. to 31st March. | Station. | District. | Divisions. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·87 | Nil | 0·28 | Nil | 1·18 | 3·21 | Buxar ... | Shahabad ... | Patna—*concluded.* | Bihar—*concluded.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·53 | Nil | 0·99 | 4·97 | Dehri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·97 | Nil | 0·47 | Nil | 0·71 | 4·69 | Bhabhua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·84 | Nil | 0·36 | Nil | 0·78 | 3·08 | Sasaram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·47 | Nil | 0·54 | 3·20 | Arrah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·09 | Nil | 0·30 | 3·29 | Mohanea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·11 | Nil | 0·35 | 3·76 | Ageaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·22 | Nil | 0·09 | Nil | 0·60 | 2·91 | Ramagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·27 | Nil | 1·02 | 3·42 | Koath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·16 | Nil | 0·63 | 3·44 | Sikroul. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·14 | Nil | 0·52 | 4·38 | Bassowan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·23 | Nil | 1·24 | 3·79 | Monaharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·83 | ? | *Akberpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·73 | Nil | 0·23 | Nil | 0·50 | 2·34 | Gopalganj ... | Saran ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·26 | Nil | 0·29 | 3·05 | Siwan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·06 | Nil | 0·39 | 2·63 | Ekma. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·38 | Nil | 0·32 | 2·79 | Chapra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·13 | ? | *Hathwa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·05 | Nil | 0·30 | 2·84 | Amnor. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·00 | Nil | 0·00 | Nil | 0·14 | 2·16 | Basantpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·35 | ? | *Darauli.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·12 | ? | *Bhoreh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·28 | ? | *Sripur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·49 | Nil | 0·35 | 2·31 | Motihari ... | Champaran ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·90 | Nil | 0·45 | Nil | 0·23 | 2·43 | Bettiah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·45 | Nil | 0·52 | 2·84 | Bagaha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·73 | Nil | 0·35 | Nil | 0·17 | 2·49 | Burhurwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ? | | ? | | | ? | *Ramnagar.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Narkotiaganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·46 | ? | *Kissoriah.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·35 | ? | *Dhanaha.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·87 | Nil | 0·57 | Nil | 0·24 | 2·69 | Sitamarhi ... | Muzaffarpur | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·97 | Nil | 0·43 | Nil | | 3·16 | Muzaffarpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·70 | Nil | 0·42 | Nil | 0·25 | 2·08 | Hajipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | 0·26 | Nil | 0·05 | 2·18 | Paru. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | 0·20 | Nil | Nil | 2·83 | Mahua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | 0·37 | Nil | 0·15 | 3·06 | Shiuhar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | 0·45 | Nil | 0·02 | 1·76 | Pupri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·67 | Nil | 0·26 | Nil | 0·01 | 2·59 | Tajpur (Samastipur). | Darbhanga ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·37 | Nil | 0·17 | 2·65 | Darbhanga. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·68 | Nil | 0·40 | Nil | 0·05 | 2·62 | Madhubani. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·54 | Nil | Nil | 2·39 | Bahera. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·53 | Nil | 0·31 | Nil | 0·15 | 2·01 | Roserha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·20 | ? | *Khutonia.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·20 | ? | *Ladania.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Laukahi.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·19 | ? | *Khajouli.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | ? | ? | *Banspatti.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·07 | ? | *Mashupur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·31 | Nil | 0·21 | 3·14 | Begusarai .. | Monghyr ... | Bhagalpur. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·87 | Nil | 0·34 | Nil | 0·12 | 2·99 | Monghyr. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·41 | Nil | 0·79 | 2·79 | Jamui. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·53 | Nil | 0·42 | Nil | 0·11 | 3·27 | Gogri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·27 | Nil | 0·42 | 2·37 | Jamalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·38 | Nil | 0·68 | 2·69 | Shaikhpura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·88 | Nil | 0·42 | Nil | 1·47 | 3·74 | Chakai Bamda | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·80 | Nil | 0·25 | Nil | Nil | 1·81 | Chupreon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·18 | Nil | 0·94 | 3·14 | Gidhour. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·39 | Nil | 1·14 | 2·89 | Kharagpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·90 | Nil | 0·42 | Nil | 0·15 | 2·73 | Madhipura ... | Bhagalpur . | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·55 | Nil | 0·49 | Nil | 0·15 | 2·11 | Bangaon (Syfabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·90 | Nil | 0·40 | Nil | 0·08 | 2·47 | Supaul | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·87 | Nil | 0·43 | Nil | 0·13 | 2·73 | Pratapganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·84 | Nil | 0·44 | Nil | 0·27 | 2·80 | Bhagalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·03 | Nil | 0·48 | Nil | 0·72 | 3·18 | Banka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·07 | Nil | 0·61 | Nil | 0·32 | 2·71 | Colgong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·67 | Nil | 0·22 | Nil | 0·82 | 2·15 | Bansil. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·06 | Nil | 1·08 | Nil | 0·68 | 3·88 | Siliguri ... | Darjeeling ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·35 | Nil | 2·01 | Nil | 0·37 | 7·17 | Darjeeling. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·89 | Nil | 1·41 | Nil | 0·31 | 4·30 | Kalimpong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·63 | Nil | 1·95 | Nil | 0·30 | 5·38 | Mongpoo. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·00 | Nil | 1·47 | Nil | 0·63 | 5·31 | Kurseong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 5·14 | Nil | 2·64 | Nil | 1·06 | 6·89 | Pedong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·21 | Nil | 0·69 | Nil | 0·93 | 2·85 | Kishanganj ... | Purnea ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·07 | Nil | 0·64 | Nil | 0·71 | 2·72 | Araria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·40 | Nil | 0·12 | 2·88 | Purnea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·80 | Nil | 0·49 | Nil | Nil | 2·26 | Gondwara (*Korah*). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·78 | Nil | 0·24 | Nil | 0·10 | 1·38 | Barsoe. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·11 | Nil | 0·33 | Nil | 0·10 | 2·23 | Forbesganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 1·13 | | 0·63 | | | 1·97 | Kaliaganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·70 | Nil | 0·40 | Nil | 0·90 | 2·26 | Rajmahal .. | Sonthal Parganas. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·49 | Nil | 0·77 | 3·00 | Godda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·38 | Nil | 0·59 | Nil | 1·17 | 3·19 | Pakaur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·41 | Nil | 0·81 | Nil | 0·90 | 3·77 | Naya Dumka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·35 | Nil | 0·63 | Nil | 1·60 | 3·76 | Deoghur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·37 | Nil | 0·84 | Nil | 1·22 | 3·64 | Jamtara. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·58 | ? | *Mohagama.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·87 | Nil | 0·63 | Nil | ? | 2·85 | Nanihat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·47 | Nil | 0·45 | 3·13 | Assenboni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·17 | Nil | 0·50 | 3·89 | Katikund. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·22 | Nil | 1·55 | 3·67 | Madhupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·48 | Nil | 0·13 | Nil | 1·21 | 3·63 | Sarwan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·20 | Nil | 1·68 | 3·53 | Sarath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·83 | ? | Poorya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·43 | Nil | 0·30 | Nil | 0·34 | 2·19 | Bhagya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·57 | Nil | 0·15 | Nil | 1·05 | 2·82 | Mohespur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·10 | ? | *Heranpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·48 | Nil | 0·78 | 2·86 | Barharwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·43 | Nil | 0·24 | Nil | 0·51 | 2·12 | Sahibganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·78 | ? | *Barto.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·42 | ? | Amrapura. | | | |

TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa. | Orissa. | Sambalpur ... | Sambalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bargarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Padampur (Barasamber).* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Uria Feudatory States. | Bhawanipatna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bolangir ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Deoghur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bonaigurh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Cuttack .. | Jagatsingpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banki ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Cuttack ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | False Point ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kendrapara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jajpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dharmsala ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Salepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Balasore . | Akhyapada ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandbali .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhadrak ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Soro ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Balasore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jellasore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Baliapal* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Eram* (Basudebpur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Turigaria* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Banuth* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Angul ... | Angul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bissipara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chhendipada* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tikerpara* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Balandapara* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Orissa Tributary Mahals. | Baramba ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kunjabongarh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhenkanal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Baisinga* .. | | | | | | | | | | | | | | | | | | | | |
| | | | Keonjhar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Anandapur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Baripada ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Karanjia* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Narsingpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nayagarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pal Lahera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Talcher ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athmalik* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hindol* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Boad* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nilgiri* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athgurh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Puri ... | Puri .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khurda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhanpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gop ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Satpara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sunakhalla . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kanas* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tanghi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jenkia ... | | | | | | | | | | | | | | | | | | | | |
| | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hazaribagh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barhi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chatra .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagdiha .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramgar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Koderma* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bagador* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Ranchi ... | Lohardaga ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranchi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Silli ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Palkot ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bano* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tamar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kurdeg* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Gumla* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chainpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khunti ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Palamau ... | Palamau (*Daltonganj*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Balumath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Husainabad .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Garhwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mahuadanr* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Panki* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latehar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nagarutari* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ranka* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chattarpur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhaonathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Patan* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Monatu* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Lesliganj* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kerh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Garu* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Manbhum ... | Purulia ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gobindpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raghunathpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barahabhum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jhalda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chas ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pandra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Manbazar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kotlapal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Singhbhum ... | Chaibassa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chakradharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ghatsila ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Baharagura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gailkura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kalikapur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kathari* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Sarekella* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kharsawan* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Jaintigarh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Jaganathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN MARCH 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. 1908 to 31st March 1909. | Average rainfall from 16th Oct. to 31st March. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | 0·02 | ... | ... | ... | 0·03 | ... | ... | Nil | 1·80 | 0·05 | 0·89 | 0·03 | 0·57 | 3·23 | Sambalpur ... | Sambalpur ... | Orissa. | Orissa. |
| ... | ... | ... | 0·01 | 0·09 | ... | ... | ... | ... | ... | ... | Nil | 1·60 | 0·10 | 1·03 | 0·09 | 0·24 | 3·28 | Bargarh. | | | |
| ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | 0·02 | Nil | ? | 0·06 | ? | 0·04 | 0·07 | ? | *Padampur (Barasamber)* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·12 | ? | Bhawanipatna | Uria Feudatory States. | | |
| 0·01 | ... | ... | 0·03 | 0·03 | ... | ... | ... | ... | ... | ... | Nil | ? | 0·10 | ? | 0·06 | 0·10 | ? | Bolangir. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Sonepur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Rampur. | | | |
| ... | 0·07 | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | Nil | ? | 0·12 | ? | 0·07 | 0·12 | ? | Deoghur. | | | |
| ... | 0·07 | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | Nil | 1·78 | 0·12 | 0·84 | 0·07 | 1·21 | 4·47 | Gangpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | Nil | ? | 0·03 | ? | 0·03 | 0·77 | ? | Bonaigurh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·33 | Nil | 1·04 | Nil | 0·40 | 6·90 | Jagatsingpur | Cuttack ... | | |
| ... | ... | ... | ... | ... | 0·48 | ... | ... | ... | ... | ... | 1 | 2·33 | 0·48 | 1·34 | 0·48 | 0·82 | 3·95 | Banki. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·78 | Nil | 1·31 | Nil | Nil | 6·19 | Cuttack. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·48 | Nil | 1·02 | Nil | 1·33 | 9·46 | False Point. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·77 | Nil | 0·92 | Nil | 2·21 | 6·92 | Kendrapara | | | |
| ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·17 | 0·02 | 1·16 | 0·02 | 0·02 | 5·98 | Jajpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·20 | Nil | 1·52 | Nil | 0·87 | 5·59 | Dharamsala. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·87 | Nil | 1·02 | Nil | 1·52 | 5·02 | Salepur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·06 | Nil | 1·58 | Nil | 0·62 | 5·61 | Akhyapada ... | Balasore . | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·78 | Nil | 1·06 | Nil | 0·47 | 6·75 | Chandbali. | | | |
| ... | ... | 0·11 | ... | ... | ... | ... | ... | 0·10 | ... | ... | 2 | 2·03 | 0·30 | 1·47 | 0·19 | 1·37 | 6·69 | Bhadrak. | | | |
| ... | ... | 0·55 | 0·26 | ... | ... | ... | ... | 0·25 | ... | ... | 3 | 2·63 | 1·06 | 1·76 | 0·55 | 1·16 | 6·17 | Soro. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·87 | Nil | 1·78 | Nil | 3·50 | 7·20 | Balasore. | | | |
| ... | ... | ... | 0·05 | ... | ... | 0·05 | ... | ... | ... | 0·11 | 1 | 1·89 | 0·21 | 1·29 | 0·11 | 1·21 | 4·74 | Jellasore | | | |
| ... | ... | ... | ... | ... | 0·05 | 0·05 | ... | ... | ... | ... | Nil | ? | 0·15 | ? | 0·09 | 0·89 | ? | *Balasapal.* | | | |
| ... | ... | 0·19 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·19 | ? | 0·19 | 2·13 | ? | *Eram* (Basudeopur). | | | |
| 0·40 | ... | ... | 0·24 | ... | ... | ... | ... | 0·90 | ... | ... | 3 | ? | 1·54 | ? | 0·90 | 5·80 | ? | *Turigaria.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | 1 | ? | 0·50 | ? | 0·50 | 2·30 | ? | *Banuth.* | | | |
| ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·30 | 0·08 | 1·20 | 0·08 | 0·20 | 5·01 | Angul | Angul ... | | |
| ... | 0·30 | 0·16 | ... | ... | ... | ... | ... | ... | ... | 0·01 | 2 | 1·60 | 0·47 | 0·74 | 0·30 | 0·48 | 4·18 | Bissipara. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·05 | ? | *Chhendipada.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·13 | ? | *Tikerpara.* | | | |
| ... | 0·40 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·59 | ? | 0·49 | 0·63 | ? | *Balandapara.* | | | |
| ... | ... | ... | ... | ... | 0·14 | ... | ... | ... | ... | ... | 1 | 2·42 | 0·14 | 0·93 | 0·14 | 0·88 | 4·69 | Baramba ... | Orissa Tributary Mahals. | | |
| ... | ... | ... | ... | ... | ... | ... | 0·72 | ... | ... | ... | 1 | 2·56 | 0·72 | 1·13 | 0·72 | ? | 4·53 | Kunjabongarh. | | | |
| ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 1 | 1·35 | 0·27 | 1·33 | 0·25 | 0·59 | 1·92 | Dhenkanal | | | |
| | | | | | | | | | | | | ? | | ? | | - | ? | *Hatsinga.* | | | |
| ... | | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·21 | 0·40 | 0·74 | 0·40 | 3·29 | 3·79 | Keonjhar. | | | |
| ... | 0·03 | ... | ... | ... | 0·01 | ... | ... | ... | ... | ... | Nil | 2·31 | 0·04 | 1·19 | 0·03 | 1·24 | 5·44 | Anandapur. | | | |
| ... | 0·36 | 0·05 | 0·07 | ... | 0·02 | ... | ... | ... | 0·11 | ... | 2 | 2·[illegible] | 0·61 | 1·43 | 0·36 | 1·21 | 5·06 | Baripada. | | | |
| ... | ... | ... | ... | 0·34 | 0·05 | ... | ... | ... | ... | ... | 1 | [illegible] | 0·39 | [illegible] | 0·34 | 1·82 | ? | *Karanjia.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1[illegible] | Nil | 0·64 | Nil | 0·50 | 3·74 | Narsingpur. | | | |
| ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | 1 | 1[illegible] | 0·30 | 0·53 | 0·30 | 1·08 | 4·68 | Nayagarh. | | | |
| ... | 0·10 | ... | ... | 0·01 | ... | ... | ... | ... | ... | ... | 1 | 1·3[illegible] | 0·11 | 1·18 | 0·10 | 0·26 | 3·72 | Pal Lahera. | | | |
| ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | ... | 1 | 0·86 | 0·12 | 0·39 | 0·12 | 1·27 | 3·87 | Ranpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·30 | Nil | 1·21 | Nil | 0·50 | 4·19 | Talcher. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·23 | ? | *Athmalik.* | | | |
| 0·71 | ... | 0·04 | 0·13 | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·88 | ? | 0·71 | 1·27 | ? | *Hindol.* | | | |
| ... | 0·61 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·65 | ? | 0·61 | 0·65 | ? | *Boad.* | | | |
| ... | ... | 0·03 | 0·35 | 0·02 | ... | ... | ... | ... | ... | ... | 2 | ? | 0·41 | ? | 0·35 | 2·20 | ? | *Nilgiri.* | | | |
| ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | ... | Nil | ? | 0·08 | ? | 0·08 | 0·75 | ? | *Athgarh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·05 | Nil | 0·62 | Nil | 0·42 | 9·41 | Puri | Puri ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·97 | Nil | 1·12 | Nil | 0·76 | 6·75 | Khurda. | | | |
| ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | ... | ... | Nil | 2·14 | 0·01 | 1·00 | 0·01 | 1·33 | 8·27 | Bhanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·21 | Nil | 0·70 | Nil | 1·73 | 8·53 | Gop. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·65 | Nil | 0·96 | Nil | 1·08 | 7·12 | Satpara. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·78 | ? | Sunakhalla. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·11 | ? | *Kanas.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·63 | ? | Tanghi. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Jenkia | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·32 | Nil | 0·68 | Nil | ? | 3·56 | Pachamba (*Giridih*). ... | Hazaribagh | Chota Nagpur. | Chota Nagpur. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·81 | Nil | 0·69 | Nil | 2·61 | 3·78 | Hazaribagh | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·47 | Nil | 0·67 | Nil | 1·72 | 4·09 | Barhi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·60 | Nil | 0·65 | Nil | 2·24 | 3·94 | Chatra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·20 | Nil | 0·88 | Nil | 0·73 | 3·62 | Kharagdiha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·64 | Nil | 3·20 | 4·17 | Ramgarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·24 | ? | *Koderma.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | | ? | Nil | 1·67 | ? | *Bagodar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·18 | Nil | 0·84 | Nil | 1·11 | 4·57 | Lohardaga ... | Ranchi ... | | |
| ... | ... | ... | ... | 0·19 | 0·16 | ... | ... | ... | ... | ... | 2 | 2·58 | 0·35 | 1·33 | 0·19 | 2·01 | 4·62 | Ranchi | | | |
| ... | ... | 0·02 | 0·04 | ... | ... | ... | ... | ... | ... | ... | Nil | 1·29 | 0·06 | 0·85 | 0·04 | 2·14 | 2·40 | Sili. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·36 | Nil | 0·64 | 2·79 | Palkot. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·30 | ? | *Bano.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·86 | Nil | 0·25 | Nil | 0·41 | 2·09 | Tamar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·00 | ? | *Kurdeg.* | | | |
| ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·84 | ? | *Gumla.* | | | |
| ... | ... | ... | ... | ... | 0·55 | ... | ... | ... | ... | ... | 1 | 0·86 | 0·55 | 0·35 | 0·55 | 3·30 | 3·62 | Chainpur. | | | |
| ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | 1 | ? | 0·10 | ? | 0·10 | 2·02 | ? | Khunti. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·67 | Nil | 0·63 | Nil | ? | 3·49 | Palamau (*Daltonganj*). ... | Palamau ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·27 | Nil | 0·48 | Nil | 2·23 | 3·84 | Balumath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·07 | Nil | 0·37 | Nil | 1·60 | 3·06 | Husainabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·56 | Nil | 2·40 | 3·73 | Garhwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·75 | ? | *Mahuadanr.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·10 | ? | *Panki.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·37 | ? | *Latehar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·56 | ? | *Nagarutari.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·88 | ? | *Ranka.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·60 | ? | *Chatturpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·98 | ? | *Bhaonathpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·21 | ? | *Patan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·55 | ? | *Monatu.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·12 | ? | *Lesliganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 6·10 | ? | *Aerh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·45 | ? | *Garu.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·17 | Nil | 0·98 | Nil | 1·89 | 3·84 | Purulia .. | Manbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·48 | Nil | 0·77 | Nil | 1·61 | 3·08 | Gobindpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·47 | Nil | 0·74 | Nil | 1·03 | 2·79 | Raghunathpur. | | | |
| ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | 1 | 1·60 | 0·10 | 0·94 | 0·10 | 0·62 | 3·28 | Barahabhum. | | | |
| ... | ... | ... | ... | 0·04 | 0·04 | ... | ... | ... | ... | ... | Nil | 1·60 | 0·08 | 1·23 | 0·04 | 1·40 | 3·69 | Jhalda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·53 | Nil | 0·74 | Nil | 1·24 | 3·12 | Chas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·80 | Nil | 0·35 | Nil | 1·18 | 3·40 | Pandra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Manbazar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·45 | ? | Kotlapal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·19 | Nil | 1·12 | Nil | 1·01 | 4·27 | Chaibassa . | Singhbhum ... | | |
| ... | ... | ... | 0·36 | 0·11 | ... | ... | ... | ... | ... | ... | 2 | 1·29 | 0·47 | 0·56 | 0·36 | 1·81 | 3·51 | Chakradharpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·13 | Nil | 1·06 | Nil | 2·06 | 4·26 | Ghatsila. | | | |
| ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | Nil | 2·07 | 0·03 | 1·17 | 0·03 | 1·69 | 3·91 | Baharagura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·80 | Nil | 0·38 | Nil | 1·22 | 2·37 | Gailkura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·71 | Nil | 0·40 | Nil | 2·39 | 3·04 | Kalikapur. | | | |
| ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·72 | Nil | 1·76 | 1·89 | Monoharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·49 | ? | *Katbari.* | | | |
| ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·41 | ? | *Seraikela.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·08 | ? | *Kharswan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·40 | ? | *Jaintgarh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·55 | ? | *Jagannathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of March 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th October 1908. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | Nil | 1·06 | —1·06 | Nil | 1·80 | 0·61 | 4·41 | —3·80 | 1·20 | 6·56 |
| | | Birbhum ... | Nil | 0·67 | —0·67 | Nil | 1·16 | 0·74 | 3·82 | —3·08 | 1·50 | 5·66 |
| | | Bankura ... | 0·01 | 1·00 | —0·99 | 0·10 | 1·68 | 0·43 | 3·91 | —3·48 | 1·44 | 6·38 |
| | | Midnapore ... | 0·08 | 1·13 | —1·05 | 0·30 | 1·95 | 0·72 | 4·81 | —4·09 | 2·47 | 6·49 |
| | | Hooghly ... | Nil | 1·28 | —1·28 | Nil | 2·10 | 0·12 | 5·02 | —4·90 | 0·67 | 7·46 |
| | | Howrah ... | Nil | 1·02 | —1·02 | Nil | 1·92 | 0·51 | 4·16 | —3·65 | 2·00 | 6·96 |
| | Presidency ... | 24-Parganas ... | 0·01 | 1·29 | —1·28 | Nil | 2·04 | 0·30 | 5·81 | —5·51 | 0·74 | 7·96 |
| | | Calcutta ... | Nil | 1·14 | —1·14 | Nil | 2·00 | 0·49 | 4·48 | —3·99 | 0·35 | 7·63 |
| | | Nadia ... | Nil | 1·48 | —1·48 | Nil | 2·23 | 0·53 | 5·33 | —4·80 | 1·26 | 7·28 |
| | | Murshidabad ... | Nil | 0·90 | —0·90 | Nil | 1·54 | 0·51 | 3·97 | —3·46 | 1·76 | 6·11 |
| | | Jessore ... | 0·02 | 1·81 | —1·79 | 0·20 | 2·79 | 0·59 | 6·19 | —5·60 | 1·14 | 8·50 |
| | | Khulna ... | 0·01 | 1·49 | —1·48 | Nil | 2·21 | 0·11 | 5·98 | —5·87 | 0·40 | 7·85 |
| Bihar. | Patna ... | Patna ... | Nil | 0·36 | —0·36 | Nil | 0·83 | 0·46 | 3·09 | —2·63 | 1·67 | 5·22 |
| | | Gaya ... | Nil | 0·42 | —0·42 | Nil | 0·88 | 1·03 | 2·93 | —1·90 | 3·30 | 5·17 |
| | | Shahabad ... | Nil | 0·26 | —0·26 | Nil | 0·55 | 0·78 | 3·45 | —2·67 | 3·18 | 5·41 |
| | | Saran ... | Nil | 0·16 | —0·16 | Nil | 0·48 | 0·32 | 2·65 | —2·33 | 1·80 | 4·35 |
| | | Champaran ... | Nil | 0·44 | —0·44 | Nil | 0·83 | 0·34 | 2·53 | —2·19 | 1·08 | 4·64 |
| | | Muzaffarpur ... | Nil | 0·38 | —0·38 | Nil | 0·80 | 0·11 | 2·67 | —2·56 | 0·50 | 4·56 |
| | | Darbhanga ... | Nil | 0·38 | —0·38 | Nil | 0·73 | 0·10 | 2·46 | —2·36 | 0·00 | 4·21 |
| | Bhagalpur ... | Monghyr ... | Nil | 0·35 | —0·35 | Nil | 0·73 | 0·58 | 2·88 | —2·30 | 2·10 | 4·95 |
| | | Bhagalpur ... | Nil | 0·44 | —0·44 | Nil | 0·85 | 0·39 | 2·62 | —2·23 | 1·25 | 4·74 |
| | | Darjeeling ... | Nil | 1·76 | —1·76 | Nil | 3·35 | 0·51 | 5·51 | —5·00 | 1·54 | 9·97 |
| | | Purnea ... | Nil | 0·49 | —0·49 | Nil | 0·99 | 0·33 | 2·33 | —2·00 | 0·50 | 4·26 |
| | | Sonthal Parganas. | Nil | 0·43 | —0·43 | Nil | 0·84 | 1·08 | 3·42 | —2·34 | 3·26 | 4·95 |
| Orissa. | Orissa ... | Sambalpur ... | 0·08 | 0·96 | —0·88 | Nil | 1·70 | 0·41 | 3·26 | —2·85 | 1·00 | 7·90 |
| | | Angul ... | 0·28 | 0·96 | —0·68 | 1·00 | 1·95 | 0·35 | 4·60 | —4·25 | 1·00 | 8·66 |
| | | Cuttack ... | 0·06 | 1·17 | —1·11 | 0·13 | 1·87 | 0·88 | 6·50 | —5·62 | 1·13 | 8·45 |
| | | Balasore ... | 0·26 | 1·49 | —1·23 | 1·00 | 2·21 | 1·12 | 6·21 | —5·09 | 2·60 | 8·44 |
| | | Puri ... | Nil | 0·90 | —0·90 | Nil | 1·55 | 1·29 | 7·74 | —6·45 | 1·71 | 8·45 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | Nil | 0·70 | —0·70 | Nil | 1·40 | 2·05 | 3·86 | —1·81 | 3·30 | 6·28 |
| | | Ranchi ... | 0·19 | 0·66 | —0·47 | 0·60 | 1·41 | 1·98 | 3·34 | —1·36 | 4·35 | 6·48 |
| | | Palamau ... | Nil | 0·51 | —0·51 | Nil | 1·25 | 2·18 | 3·68 | —1·50 | 3·33 | 6·18 |
| | | Manbhum ... | 0·03 | 0·82 | —0·79 | 0·14 | 1·53 | 1·05 | 3·40 | —1·35 | 3·32 | 6·46 |
| | | Singhbhum ... | 0·07 | 0·76 | —0·69 | 0·29 | 1·54 | 1·71 | 3·31 | —1·60 | 3·44 | 6·26 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF MARCH 1909.

The month of March was practically rainless. A few showers fell in parts of Bankura, Midnapore, the 24-Parganas, Jessore, Khulna, Orissa and Chota Nagpur. On an average South-West Bengal received 0·01, Orissa 0·12 and Chota Nagpur 0·05 inch of rain.

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of March 1909:—

| Meteorological Divisions. | Rainfall of month. Average. | Normal average | Variation | Rainy days. Average number in month. | Normal average number in month. | Variation. | Rainfall since 16th October 1908. Average. | Normal average. |
|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... | 0·01 | 1·16 | —1·15 | 0·06 | 1·89 | —1·83 | 0·89 | 4·82 |
| Bihar ... ... | Nil | 0·38 | —0·38 | Nil | 0·80 | —0·80 | 0·53 | 2·89 |
| Orissa ... ... | 0·12 | 1·18 | —1·06 | 0·39 | 1·87 | —1·48 | 0·81 | 6·78 |
| Chota Nagpur ... | 0·05 | 0·71 | —0·66 | 0·20 | 1·45 | —1·25 | 1·49 | 3·78 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 17th April 1909.*

*Vital Statistics of the districts of Bengal for the month of February 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 2,880 | 22·44 | 10 | ·07 | 72 | ·48 | ... | ... | 2,294 | 17·16 | 46 | ·36 | 7 | ·04 | 14 | ·10 | 405 | 3·12 | 2,792 | 21·60 | 4,347 | 37·92 | |
| | Birbhum | 902,280 | 1,941 | 25·80 | 3 | ·03 | 55 | ·72 | ... | ... | 1,464 | 19·44 | 15 | ·12 | 5 | ·06 | 13 | ·12 | 176 | 2·28 | 1,741 | 22·92 | 3,111 | 41·28 | |
| | Bankura | 1,116,411 | 1,936 | 21·36 | 9 | ·09 | 3 | ·24 | ... | ... | 1,820 | 17·40 | 33 | ·24 | 4 | ·03 | 6 | ·06 | 420 | 4·56 | 2,131 | 22·50 | 2,794 | 30·00 | |
| | Midnapore | 2,789,114 | 6,991 | 30·00 | 101 | ·36 | 27 | ·96 | ... | ... | 3,404 | 14·64 | 74 | ·24 | 17 | ·07 | 15 | ·06 | 1,115 | 4·68 | 4,958 | 21·24 | 9,214 | 39·60 | |
| | Hooghly, including Serampore. | 1,649,041 | 2,733 | 30·00 | 15 | ·48 | 169 | 1·92 | ... | ... | 1,499 | 17·04 | 109 | 1·20 | 55 | ·60 | 25 | ·24 | 408 | 4·36 | 2,311 | 26·40 | 3,301 | 37·68 | |
| | Howrah | 856,514 | 2,237 | 31·56 | 57 | 1·20 | 487 | 6·84 | ... | ... | 651 | 9·12 | 213 | 3·00 | 81 | 1·08 | 23 | ·24 | 386 | 5·40 | 1,928 | 27·12 | 2,501 | 35·28 | |
| Presidency | 24-Parganas | 2,078,359 | 5,886 | 31·08 | 71 | ·36 | 297 | 1·68 | ... | ... | 2,124 | 11·64 | 86 | ·48 | 91 | ·48 | 69 | ·36 | 639 | 3·60 | 3,277 | 18·84 | 5,605 | 32·28 | |
| | Calcutta | 847,796 | 1,551 | 21·84 | 112 | 1·56 | 962 | 12·72 | 92 | 1·20 | 215 | 3·00 | 127 | 1·68 | 497 | 6·96 | 49 | ·60 | 784 | 11·04 | 2,775 | 39·24 | 2,483 | 35·28 | |
| | Nadia | 1,667,491 | 4,709 | 33·84 | ... | ... | 37 | ·24 | ... | ... | 2,152 | 15·48 | 7 | ·04 | 5 | ·02 | 34 | [illegible] | [illegible] | 3·48 | 2,727 | 19·56 | 4,716 | 33·84 | |
| | Murshidabad | 1,333,154 | 3,787 | 34·08 | 3 | ·02 | 43 | ·36 | ... | ... | 1,760 | 15·84 | 5 | ·03 | 3 | ·02 | [illegible] | ·12 | 413 | 3·60 | 2,245 | 20·16 | 3,611 | 32·40 | |
| | Jessore | 1,813,155 | 5,455 | 36·09 | 378 | 2·40 | 30 | ·12 | ... | ... | 3,588 | 23·64 | 3 | ·01 | 8 | ·07 | 27 | ·12 | 583 | 3·84 | 4,611 | 30·48 | 5,426 | 35·16 | |
| | Khulna | 1,253,043 | 3,870 | 36·96 | 233 | 2·16 | 15 | ·12 | ... | ... | 1,473 | 14·04 | 15 | ·12 | 3 | ·02 | 33 | ·24 | 687 | 6·48 | 2,459 | 25·32 | 2,748 | 26·28 | |
| Patna | Patna | 1,624,742 | 1,684 | 34·56 | 20 | ·12 | 278 | 1·92 | 215 | 1·56 | 1,408 | 10·32 | 106 | [illegible] | 141 | ·96 | 48 | ·24 | 829 | 6·12 | 3,043 | 22·44 | 6,081 | 49·32 | |
| | Gaya | 2,059,033 | 4,859 | 28·20 | 4 | ·01 | 236 | 1·68 | 13 | ·09 | 3,111 | 18·12 | [illegible] | ·24 | 14 | ·07 | 61 | ·24 | 544 | 3·12 | 4,095 | 23·76 | 5,369 | 31·20 | |
| | Shahabad | ... | ... | ... | Returns not yet received in spite of repeated reminders. | | | | | | | | | | | | | | | | | | | | |
| Tirhut | Saran | 2,410,154 | 8,285 | 41·64 | ... | | 130 | ·60 | 157 | ·72 | 1,678 | [illegible] | 77 | ·36 | 79 | ·36 | [illegible] | ·24 | 2,029 | 10·08 | 4,214 | 20·88 | [illegible] | 39·96 | |
| | Champaran | 1,790,463 | 5,708 | 38·16 | ... | ... | 48 | ·24 | | ... | 1,787 | [illegible] | 15 | ·09 | | | 20 | ·12 | 753 | 5·04 | [illegible] | 17·64 | 3,169 | 21·12 | |
| | Muzaffarpur | 2,754,790 | 9,553 | 41·64 | ... | .. | 19 | ·07 | 78 | ·24 | 3,510 | 15·94 | 25 | ·10 | 12 | ·04 | 76 | ·24 | 996 | 4·20 | 4,885 | 20·40 | 5,531 | 24·00 | |
| | Darbhanga | 2,912,811 | 12,392 | 50·58 | 4 | ·01 | 25 | ·09 | 255 | ·96 | 4,7[illegible] | 19·56 | 138 | ·48 | 1 | ·003 | 31 | ·12 | 1,130 | 4·56 | [illegible] | 26·16 | 6,057 | 24·48 | |
| Bhagalpur | Monghyr | 2,068,804 | 7,777 | 45·00 | ... | ... | 7 | ·36 | 282 | 1·56 | [illegible] | 17·76 | 14 | ·07 | 3 | ·01 | 20 | ·12 | 904 | 5·16 | 4,379 | 25·32 | [illegible] | 30·84 | |
| | Bhagalpur | 2,088,953 | 6,377 | 36·60 | ... | ... | 9 | ·04 | 61 | ·24 | [illegible] | 19·56 | 10 | ·04 | 19 | ·10 | 27 | ·12 | 524 | 3·00 | 4,052 | 23·16 | [illegible] | 24·60 | |
| | Purnea | 1,974,794 | 5,561 | 35·16 | ... | ... | 12 | ·07 | ... | . | 4,115 | 26·28 | 2 | ·01 | ... | | 35 | ·12 | [illegible] | ·84 | 4,[illegible] | 27·48 | 5,449 | 34·80 | |
| | Darjeeling | 249,117 | 634 | 30·48 | . | | 1 | ·04 | ... | ... | 526 | 25·32 | 20 | ·96 | 3 | ·12 | 7 | ·24 | 116 | 5·52 | [illegible] | 32·40 | 672 | 32·28 | |
| | Sonthal Parganas | 1,809,737 | 2,975 | 19·68 | 2 | ·01 | 113 | ·72 | ... | ... | 2,121 | 13·32 | 16 | ·09 | 5 | ·02 | 27 | ·12 | 177 | 1·08 | 2,[illegible] | 13·66 | [illegible] | 20·76 | |
| Orissa | Cuttack | 2,902,758 | 4,129 | 24·01 | 27 | ·12 | 62 | ·36 | ... | . | 2,626 | 15·24 | 548 | 3·12 | 54 | ·24 | 70 | ·36 | 1,520 | 7·56 | 4,704 | 27·36 | 6,274 | 36·48 | |
| | Balasore | 1,071,197 | 1,635 | 18·24 | 8 | ·08 | 58 | ·60 | ... | ... | 736 | 8·16 | 110 | 1·20 | .. | | 24 | ·24 | 878 | 9·72 | 1,814 | 20·28 | 3,735 | 41·52 | |
| | Puri | 1,017,284 | 2,149 | 25·32 | 14 | ·12 | 24 | ·24 | ... | ... | 562 | 6·60 | 331 | 3·84 | 152 | 1·68 | 34 | ·36 | 852 | 9·72 | 1,948 | 22·92 | 3,[illegible]14 | 39·00 | |
| | Sambalpur | 636,980 | 1,986 | 37·32 | ... | ... | 2 | ·03 | ... | .. | 483 | 9·00 | 170 | 3·12 | 63 | 1·08 | 11 | ·12 | 526 | 9·84 | 1,255 | 25·64 | 1,200* | 25·88* | |
| | Angul and Khondmals | ... | | | | | | | | | | | | | | | | | | | | | | | * Figures for three years. Not under registration. |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 2,090 | 21·24 | ... | | 88 | ·84 | ... | ... | 1,599 | 16·20 | 6 | ·06 | 5 | ·04 | 32 | ·24 | 264 | 2·64 | 1,993 | 20·28 | 2,305 | 24·36 | |
| | Ranchi | 1,187,925 | 2,519 | 25·68 | 3 | ·02 | 183 | 1·32 | | ... | 1,248 | 12·60 | 59 | ·48 | 18 | ·12 | 23 | ·12 | 424 | 4·20 | 1,903 | 19·20 | 2,452 | 24·72 | |
| | Palamau | 619,600 | 1,416 | 27·96 | ... | .. | 118 | 2·28 | . | ... | 1,220 | 23·76 | 5 | ·09 | 2 | ·03 | 16 | ·24 | 177 | 3·36 | 1,547 | 29·88 | 1,611 | 31·20 | |
| | Manbhum | 1,301,364 | 1,579 | 17·28 | 12 | ·10 | 40 | ·36 | .. | ... | 1,215 | 14·88 | 16 | ·12 | 2 | ·01 | 15 | ·12 | 560 | 2·76 | 2,009 | 18·48 | 2,573 | 23·64 | |
| | Singhbhum | 613,579 | 1,004 | 19·56 | .. | .. | 17 | ·24 | ... | ... | 891 | 17·40 | 11 | ·12 | ... | ... | 12 | ·12 | 65 | 1·20 | 906 | 19·44 | 1,119 | 21·84 | |
| | Total excluding Shahabad | 49,565,750 | 131,127 | 32·28 | 1,145 | ·24 | 3,923 | ·96 | 1,145 | ·24 | 62,435 | 15·36 | 2,157 | ·60 | 1,338 | ·24 | 953 | ·12 | 19,453 | 4·80 | 92,962 | 22·92 | 128,609 | 31·68 | |
| | Average of corresponding months of previous five years | | 152,246 | 37·56 | 9,759 | 2·40 | 1,761 | ·36 | 10,329 | 2·52 | 75,353 | 18·60 | 3,814 | ·84 | 1,160 | ·24 | 903 | ·12 | 25,233 | 6·24 | 128,609 | 31·68 | | | |
| | Difference + or − | | −21,119 | −5·28 | −8,615 | −2·16 | +2,162 | +·60 | −9,184 | −2·28 | −12,918 | −3·24 | −1,357 | −·24 | +178 | Equal | +54 | Equal | −5,840 | −1·44 | −35,747 | −8·76 | | | |

Office of Sanitary Commissioner for Bengal,

*The 16th April 1909.*

F. C. Clarkson, Lieut.-Col. I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of February 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... | 1. Burdwan | 35,266 | 53 | 18·00 | ... | | 6 | 2·04 | ... | ... | 29 | 9·84 | 6 | 2·04 | 2 | ·60 | 1 | ·24 | 13 | 4·32 | 57 | 19·32 | 116 | 39·36 | |
| Bankura ... | 2. Bankura | 20,737 | 24 | 15·80 | ... | | ... | | ... | ... | 7 | 3·96 | 5 | 2·88 | | | | | 8 | 4·56 | 20 | 11·52 | 30 | 17·28 | |
| Midnapore ... | 3. Midnapore | 30,140 | 78 | 21·00 | | | 6 | 2·16 | ... | ... | 47 | 16·92 | 9 | 3·24 | 7 | 2·52 | ... | | 15 | 5·40 | 84 | 30·36 | 111 | 40·08 | |
| Hooghly | 4. Hooghly and Chinsura | 22,[illegible]8 | 66 | 26·88 | 6 | 2·40 | 5 | 2·04 | ... | ... | 34 | 13·80 | 10 | 4·08 | 3 | 1·20 | 3 | 1·20 | 16 | 6·48 | 77 | 31·44 | 120 | 48·96 | |
| | 5. Serampore | 44,451 | 82 | 22·08 | 2 | ·48 | 3 | ·72 | ... | ... | 36 | 9·60 | 15 | 3·96 | 2 | ·48 | 4 | ·96 | 19 | 5·04 | 81 | 21·84 | 101 | 27·24 | |
| Howrah ... | 6. Howrah | 157,594 | 288 | 21·84 | 31 | 2·28 | 308 | 25·28 | ... | ... | 163 | 12·36 | 48 | 3·60 | 27 | 1·80 | 4 | ·24 | 97 | 7·32 | 671 | 51·24 | 502 | 38·16 | |
| 24-Parganas | 7. Cossipore-Chitpur | 4,750 | 33 | 9·60 | ... | | 7 | 2·04 | ... | ... | 8 | 2·28 | 3 | ·84 | ... | | ... | | 3 | ·84 | 21 | 6·12 | 34 | 9·96 | |
| | 8. Manicktala | 22,587 | 74 | 27·36 | 4 | 1·44 | 20 | 10·08 | ... | ... | 42 | 15·48 | 16 | 5·88 | 19 | 6·96 | | | 32 | 11·76 | 142 | 52·56 | 34 | 12·48 | |
| | 9. South Suburban | 24,874 | 48 | 21·72 | ... | | 48 | 21·72 | ... | ... | 25 | 11·28 | 2 | ·84 | 1 | ·36 | 1 | ·36 | 8 | 3·60 | 85 | 38·64 | 67 | 30·48 | |
| | 10. Garden Reach | 28,141 | 24 | 12·24 | 1 | ·36 | 4 | 1·68 | ... | ... | 11 | 5·88 | 1 | ·36 | 2 | ·84 | 1 | ·36 | 4 | 1·68 | 27 | 11·40 | 41 | 17·40 | |
| | 11. Baranagore ... | 25,433 | 42 | 19·80 | ... | ... | 8 | 3·72 | ... | ... | 18 | 8·40 | ... | | 3 | 1·32 | 3 | 1·32 | 5 | 2·28 | 37 | 17·40 | 49 | 23·04 | |
| | 12. Bhatpara | 21,840 | 47 | 24·96 | 1 | ·48 | 3 | 1·56 | | | 20 | 11·04 | 9 | 4·92 | 1 | ·48 | 2 | 1·08 | 6 | 3·24 | 42 | 23·28 | 48 | 26·64 | |
| Calcutta ... | 13. Calcutta | 847,750 | 1,[illegible] | 21·84 | 112 | 1·56 | 902 | 12·72 | 92 | 1·20 | 315 | 3·00 | 127 | 1·68 | 457 | 6·96 | 41 | ·60 | 781 | 11·04 | 2,775 | 39·24 | 2,493 | 35·28 | |
| Nadia ... | 14. Krishnagar | 24,547 | 32 | 15·60 | | | | | ... | ... | 13 | 6·24 | ... | | 1 | ·48 | 1 | ·48 | 5 | 2·40 | 20 | 9·72 | 63 | 30·72 | |
| | 15. Santipur | 26,[illegible] | [illegible] | 38·28 | | | 5 | 2·16 | ... | ... | 30 | 14·64 | 1 | ·36 | | | 2 | ·84 | 6 | 2·64 | 47 | 20·88 | 60 | 26·76 | |
| Murshidabad | 16. Berhampore | 24,[illegible] | 8 | 17·64 | | | | | | | 18 | 8·76 | 2 | ·48 | | | | | 6 | 2·88 | 25 | 12·24 | 62 | 30·48 | |
| Patna ... | 17. Patna City | 12[illegible],000 | 552 | 24·72 | 17 | 1·56 | 63 | 5·12 | 10 | ·96 | 61 | [illegible] | 12 | 1·08 | 16 | 1·44 | 7 | ·60 | 101 | 10·08 | 282 | 25·44 | 610 | 59·40 | |
| | 18. Bihar | [illegible] | 57 | 15·12 | | | | | 1 | ·24 | 11 | 2·[illegible] | 2 | ·48 | 1 | ·24 | | | 17 | 4·44 | 32 | 8·52 | 150 | 47·88 | |
| | 19. Dinapore Nizamut | [illegible] | [illegible] | 11·64 | | | 1 | ·24 | ... | ... | 8 | 2·76 | | ·60 | 1 | ·24 | ... | | 10 | 3·48 | 22 | 7·80 | 81 | 29·88 | |
| Gaya ... | 20. Gaya | 71,416 | 177 | 22·92 | 3 | ·48 | 5 | ·84 | ... | ... | 77 | 12·84 | 10 | | 6 | ·96 | 7 | 1·08 | 44 | 7·32 | 177 | 25·44 | 600 | 100·80 | |
| Shahabad ... | 21. Arrah | | | | | | | | | | Returns not yet received in spite of repeated [illegible] | | | | | | | | | | | | | | |
| | 22. Sasaram | | | | | | | | | | | | | | | | | | | | | | | | |
| Saran ... | 23. Chapra | 45,[illegible] | 107 | 27·96 | ... | ... | ... | ... | ... | ... | 19 | 4·92 | 1 | ·24 | 7 | 1·80 | | 1·80 | 23 | 6·00 | 57 | 14·88 | 200 | 52·20 | |
| Champaran... | 24. Bettiah | 21,[illegible] | 4[illegible] | 23·76 | ... | ... | ... | ... | ... | ... | 20 | 9·60 | ... | | ... | | ... | | 14 | 6·72 | 34 | 16·44 | 32 | 15·48 | |
| Muzaffarpur | 25. Muzaffarpur | 48,217 | 100 | 25·64 | ... | ... | ... | ... | ... | ... | 34 | 8·88 | 7 | 1·80 | 9 | 2·28 | 2 | ·48 | 30 | 10·20 | 91 | 23·88 | 198 | 52·08 | |
| | 26. Hajipur | 21,798 | 68 | 58·04 | ... | ... | ... | ... | ... | ... | 7 | 3·84 | 2 | 1·08 | | | ... | | 24 | 15·44 | 33 | 18·48 | 194 | 108·72 | |
| Darbhanga ... | 27. Darbhanga | 62,244 | 231 | 41·76 | ... | ... | 3 | ·48 | ... | | 31 | 5·52 | 2 | ·36 | | | 1 | ·12 | 103 | 18·00 | 140 | 25·32 | 341 | 61·68 | |
| Monghyr ... | 28. Monghyr | 35,889 | 131 | 45·80 | | ... | 6 | 1·92 | 67 | 22·32 | 22 | 7·32 | 5 | 1·56 | 2 | ·60 | 2 | ·60 | 34 | 11·28 | 158 | 46·08 | 245 | 81·84 | |
| Bhagalpur ... | 29. Bhagalpur | 75,760 | 106 | 16·68 | ... | | 1 | ·12 | 2 | ·24 | 62 | 9·72 | 5 | ·72 | 14 | 2·16 | ... | | 11 | 1·56 | 94 | 14·88 | 257 | 42·24 | |
| Cuttack ... | 30. Cuttack | 51,364 | 65 | 15·12 | ... | | ... | | ... | ... | 23 | 5·28 | 15 | 3·48 | 1 | ·12 | 2 | ·36 | 19 | 2·28 | 51 | 11·88 | 78 | 18·12 | |
| Balasore ... | 31. Balasore | 21,880 | 11 | 8·04 | ... | ... | ... | | ... | ... | 2 | 1·08 | 5 | 2·76 | ... | ... | ... | | 8 | 4·56 | 15 | 8·52 | 40 | 22·92 | |
| Puri ... | 32. Puri | 42,334 | 34 | 8·16 | 4 | ·96 | 1 | ·24 | ... | ... | 46 | 11·64 | 12 | 2·88 | 4 | ·96 | ... | | 20 | 4·80 | 89 | 21·60 | 123 | 29·88 | |
| Ranchi ... | 33. Ranchi | 23,810 | 51 | 25·68 | ... | ... | 1 | ·48 | ... | ... | 20 | 9·96 | 2 | ·96 | 3 | 1·44 | ... | ... | 16 | 8·04 | 42 | 21·12 | 19 | 9·48 | |
| | Total of all towns excluding Arrah and Sasaram with a population of 20,000 and over ... | 2,183,[illegible]58 | 3,974 | 22·08 | 189 | ·96 | 1,383 | 7·68 | 172 | ·84 | 1,169 | 6·48 | 335 | 1·80 | 627 | 3·48 | 90 | ·48 | 1,300 | 8·28 | 5,465 | 30·36 | 7,142 | 39·72 | |
| | Average of corresponding month of previous five years ... | ... | 3,844 | 21·36 | 191 | 2·64 | 258 | 1·32 | 1,724 | 9·60 | 1,667 | 9·24 | 570 | 3·12 | 487 | 2·64 | 53 | ·36 | 1,912 | 10·32 | 7,112 | 39·72 | ... | ... | |
| | Difference + or − | ... | +130 | +·72 | −311 | −1·68 | +1,125 | +6·36 | −1,553 | −8·76 | −498 | −2·76 | −235 | −1·32 | +140 | +·84 | +16 | +·12 | −612 | −2·04 | −1,677 | −9·36 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 16th April 1909*

F. C CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

# METEOROLOGICAL REPORT OF THE PROVINCES OF EASTERN BENGAL AND ASSAM AND OF BENGAL FOR THE MONTH OF FEBRUARY 1909.

| Provinces | Divisions | District | Representative Stations | Air Pressure: Highest, 8 A.M., barometer reading | Air Pressure: Lowest, 8 A.M., barometer reading | Air Pressure: Mean, 8 A.M., reduced to 32° | Air Pressure: Mean reduced to sea-level and constant gravity, Lat. 45° | Air Pressure: Departure from normal mean | Wind: Mean direction at 8 A.M. | Wind: Mean velocity in miles daily | Temperature: Highest of month | Temperature: Lowest of month | Temperature: Mean daily maximum temperature | Temperature: Mean daily minimum temperature | Temperature: Mean daily temperature | Temperature: Departure from normal mean | Humidity: Mean, 8 A.M. | Humidity: Departure from normal mean | Cloud: Mean cloud amount, 8 A.M. | Cloud: Departure from normal mean, 8 A.M. | Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eastern Bengal, South, Assam | Assam | Dibrugarh | Dibrugarh | 29·768 | 29·512 | 29·649 | 29·982 | — | S45°E | 24 | 81·4 | 48·1 | 73·8 | 54·2 | 64·0 | — | 94 | — | 4·0 | — | 0·47 |
| | | Sibsagar | Sibsagar | 29·875 | 29·553 | 29·725 | 30·035 | +·016 | N43°E | 43 | 81·6 | 47·2 | 73·9 | 52·3 | 63·1 | −0·1 | 89 | −9 | 4·9 | −1·0 | 1·05 |
| | | Tezpur | Tezpur | 29·911 | 29·590 | 29·775 | 29·969 | — | N78°E | 65 | 83·6 | 47·9 | 79·1 | 55·0 | 67·1 | — | 88 | — | 2·8 | — | 0·98 |
| | | Kamrup | Gauhati | 29·969 | 29·695 | 29·856 | 30·021 | — | S45°W | 36 | 90·5 | 40·6 | 81·4 | 49·9 | 65·6 | — | 87 | — | 6·5 | — | 0·19 |
| | | Goalpara | Dhubri (a) | 30·056 | 29·740 | 29·929 | 30·098 | +·035 | N85°E | 118 | 88·5 | 46·8 | 79·8 | 54·6 | 67·2 | +0·2 | 80 | −4 | 0·3 | −1·9 | 0·16 |
| | | Cachar | Silchar | 30·079 | 29·852 | 29·958 | 30·021 | +·025 | S45°E | 74 | 91·3 | 46·8 | 82·5 | 53·3 | 67·9 | −0·3 | 84 | −3 | 1·1 | −2·6 | 0·08 |
| | | Khasia and Jaintia Hills | Shillong | 25·247 | 25·084 | 25·165 | 25·117 | — | S45°W | 84 | 72·9 | 31·7 | 64·1 | 41·6 | 52·8 | — | 65 | — | 0·8 | — | 0·11 |
| | | | Cherrapunji | 25·828 | 25·604 | 25·717 | 25·698 | — | S87°W | 127 | 71·2 | 42·3 | 63·5 | 48·3 | 55·9 | — | 62 | — | 2·1 | — | 1·10 |
| | Rajshahi | Rajshahi | Rampur Boalia | 30·107 | 29·815 | 29·974 | 29·996 | +·025 | N65°W | 26 | 92·1 | 45·1 | 83·3 | 54·1 | 68·7 | +3·0 | 70 | −9 | 1·9 | — | 0·37 |
| | | Malda | Malda | 30·086 | 29·802 | 29·961 | 29·980 | +·033 | N56°W | 82 | 91·3 | 42·5 | 81·8 | 52·3 | 67·1 | +1·4 | 74 | −5 | 1·4 | — | 1·18 |
| | | Dinajpur | Dinajpur | 30·018 | 29·739 | 29·898 | 29·985 | +·017 | N73°W | 62 | 91·8 | 40·0 | 82·7 | 53·3 | 66·5 | +0·3 | 70 | −1 | 1·5 | 0 | 0·55 |
| | | Jalpaiguri | Jalpaiguri | 29·874 | 29·585 | 29·736 | 29·994 | +·019 | N31°E | 86 | 86·4 | 44·4 | 76·3 | 52·4 | 64·9 | +1·2 | 84 | −2 | 1·3 | −1·2 | 0·72 |
| | | Cooch Behar | Cooch Behar | 30·011 | 29·726 | 29·882 | 30·004 | — | S.9°E | 35 | 85·3 | 41·6 | 78·1 | 52·2 | 65·2 | — | 86 | −1 | 1·4 | — | 0·14 |
| | | Rangpur | Rangpur | 30·046 | 29·745 | 29·919 | 30·005 | +·008 | N61°W | 20 | 88·6 | 40·0 | 79·8 | 48·8 | 64·3 | +0·5 | 78 | −8 | 0·4 | — | 0·22 |
| | | Bogra | Bogra | 30·066 | 29·807 | 29·966 | 29·997 | +·035 | N33°W | 29 | 93·7 | 45·2 | 82·8 | 54·0 | 67·9 | +0·6 | 66 | −15 | 0·5 | −1·0 | 0·03 |
| | | Pabna | Sirajganj | 30·109 | 29·800 | 29·998 | 29·990 | +·031 | N56°W | 38 | 91·4 | 44·5 | 81·7 | 54·0 | 67·8 | +2·3 | 79 | −9 | 2·9 | — | 1·57 |
| | Dacca | Dacca | Narayanganj | 30·112 | 29·884 | 30·003 | 29·978 | +·015 | N52°E | 30 | 89·5 | 49·8 | 82·1 | 56·6 | 69·4 | −1·1 | 77 | −7 | 0·6 | −2·4 | 0·06 |
| | | Mymensingh | Mymensingh | 30·079 | 29·837 | 29·968 | 29·986 | +·012 | N70°E | 38 | 89·0 | 47·1 | 81·4 | 55·0 | 68·2 | +1·2 | 78 | −7 | 3·8 | +1·7 | 0·14 |
| | | Faridpur | Faridpur | 30·101 | 29·850 | 29·970 | 29·988 | +·006 | (b) | 31 | 91·3 | 45·4 | 82·7 | 54·0 | 68·3 | +1·9 | 80 | −6 | 1·3 | — | 0·47 |
| | | Backergunge | Barisal | 30·110 | 29·880 | 30·000 | 29·998 | +·006 | N3°W | 38 | 90·3 | 50·1 | 82·7 | 57·8 | 70·3 | −0·5 | 78 | −7 | 1·0 | −0·3 | 0·22 |
| | Chittagong | Tippera | Comilla | 30·029 | 29·839 | 29·933 | 29·978 | +·019 | E | 27 | 92·8 | 47·3 | 84·8 | 55·1 | 70·0 | +1·6 | 78 | −5 | 0·2 | — | Nil |
| | | Noakhali | Noakhali | 30·085 | 29·855 | 29·969 | 29·982 | +·024 | N54°E | 56 | 90·3 | 47·9 | 82·0 | 55·3 | 68·7 | +0·7 | 31 | −5 | 1·4 | — | Nil |
| | | Chittagong | Chittagong | 30·024 | 29·805 | 29·935 | 29·974 | +·007 | N18°E | 27 | 91·5 | 40·0 | 83·1 | 56·8 | 70·0 | −0·7 | 76 | −8 | 2·0 | −0·3 | Nil |
| | | | Cox's Bazar | | | | | | | | | | | | | | | | | | |
| Bengal | Burdwan | Burdwan | Burdwan | 30·013 | 29·785 | 29·933 | 29·983 | +·012 | N45°W | 48 | 95·4 | 49·8 | 85·5 | 59·3 | 72·4 | +1·2 | 66 | −2 | 2·3 | −0·2 | 0·09 |
| | | | Raniganj | 29·821 | 29·587 | 29·703 | 30·004 | +·015 | N40°W | 30 | 93·5 | 50·0 | 84·0 | 57·3 | 70·7 | +1·4 | 68 | +4 | 2·4 | — | 0·18 |
| | | Bankura | Bankura | 29·831 | 29·597 | 29·706 | 29·985 | +·016 | N65°W | 40 | 94·1 | 51·2 | 85·0 | 53·6 | 72·2 | +2·2 | 58 | −2 | 1·1 | — | 0·10 |
| | | Midnapore | Midnapore | 29·975 | 29·75[illegible] | 29·874 | 29·976 | −·012 | N1[illegible] | 52 | 96·3 | 53·7 | 86·9 | 61·3 | 74·1 | +2·[illegible] | 67 | −3 | 3·1 | — | 0·37 |
| | Presidency | Sandheads | Sandheads | 30·130 | 29·920 | 30·03 | 29·962 | — | N18°W | 144 | — | — | — | — | — | — | 73 | — | 3·1 | — | 1·04 |
| | | 24-Parganas | Saugor Island | 30·108 | 29·870 | 30·000 | 29·970 | +·009 | N6°E | 92 | 92·0 | 56·5 | 83·0 | 64·2 | 73·1 | −0·3 | 87 | +1 | 3·0 | −0·2 | 0·28 |
| | | Calcutta | Calcutta | 30·123 | 29·87[illegible] | 30·014 | 29·992 | +·011 | N30°W | 79 | 93·2 | 52·0 | 84·8 | 60·1 | 72·4 | +1·3 | 81 | 0 | 2·5 | +0·3 | 0·19 |
| | | Nadia | Krishnagar | 30·101 | 29·852 | 29·980 | 29·992 | +·015 | W | 33 | 94·1 | 44·0 | 84·5 | 54·6 | 69·6 | +1·8 | 82 | +7 | 1·7 | — | 0·05 |
| | | Murshidabad | Berhampore | 30·0[illegible] | 29·816 | 29·912 | 29·991 | +·018 | N30°W | 34 | 91·6 | 47·7 | 82·9 | 56·7 | 69·8 | +0·6 | 71 | −1 | 2·4 | +0·2 | 0·03 |
| | | Jessore | Jessore | 30·211 | 29·848 | 29·9[illegible] | 29·971 | +·008 | N18°W | 22 | 93·0 | 51·2 | 83·5 | 59·9 | 71·7 | +1·5 | 73 | −10 | 0·6 | −1·7 | Nil |
| Bihar | Patna | Patna | Bankipore | 29·985 | 29·68[illegible] | 29·852 | 29·998 | +·016 | S21°W | 79 | 88·5 | 43·2 | 77·9 | 53·0 | 65·5 | −0·5 | 64 | −4 | 2·7 | +0·3 | 0·53 |
| | | Gaya | Gaya | 29·741 | 29·5[illegible] | 29·6[illegible] | 30·010 | +·016 | S42°W | 108 | 93·4 | 46·7 | 81·1 | 55·1 | 68·1 | −0·7 | 64 | −4 | 2·3 | 0 | 0·39 |
| | | Shahabad | Dehri | 29·800 | 29·544 | 29·6[illegible] | 30·002 | +·010 | S56°W | 45 | 93·3 | 50·0 | 81·2 | 58·0 | 69·6 | +2·6 | 59 | −7 | 2·4 | — | 0·37 |
| | | | Buxar | 29·924 | 29·63[illegible] | 29·7[illegible] | 30·000 | +·013 | S39°W | 124 | 92·0 | 43·1 | 80·1 | 53·1 | 66·6 | +1·9 | 64 | −1 | 2·0 | — | 0·80 |
| | | | Arrah | 29·797 | 29·681 | 29·817 | 30·103 | +·038 | S63°W | 44 | 91·9 | 43·2 | 80·9 | 51·1 | 66·1 | +1·6 | 69 | −5 | 2·0 | — | 0·47 |
| | | Saran | Chapra | 29·98[illegible] | 29·66[illegible] | 29·85[illegible] | 30·004 | +·034 | S61°W | 57 | 91·7 | 42·9 | 79·2 | 51·8 | 65·5 | +0·9 | 70 | −[illegible] | 2·3 | — | 0·24 |
| | | Champaran | Motihari | 29·951 | 29·[illegible] | 29·804 | 30·006 | +·014 | N45°W | 40 | 90·9 | 35·8 | 80·7 | 47·0 | 63·9 | +1·7 | 82 | −3 | 1·9 | — | 0·18 |
| | | Muzaffarpur | Muzaffarpur | 29·99[illegible] | 29·693 | 29·86[illegible] | 30·008 | +·045 | W | 61 | 90·7 | 38·5 | 80·7 | 49·5 | 65·0 | — | 62 | −4·[illegible] | 1·0 | [illegible] | 0·12 |
| | | Darbhanga | Darbhanga | 29·[illegible] | 29·6[illegible]8 | 29·8[illegible] | 29·998 | +·021 | N82°W | 40 | 91·6 | 38·8 | 81·4 | 48·2 | 64·8 | −0·8 | 68 | −9 | 1·8 | +0·[illegible] | 0·14 |
| | Bhagalpur | Monghyr | Monghyr | [illegible] | 29·701 | 29·88[illegible] | 30·005 | — | S89°W | 8[illegible] | 91·[illegible] | 46·9 | 80·5 | 55·8 | 68·1 | — | 71 | [illegible] | 1·5 | — | 0·11 |
| | | Bhagalpur | Bhagalpur | 30·0[illegible] | 29·710 | 29·883 | 30·063 | +·038 | S45°W | 59 | 93·2 | 43·8 | 82·8 | 51·2 | 68·1 | +3·2 | 52 | −1[illegible] | 2·0 | — | 0·27 |
| | | Purnea | Purnea | 30·1[illegible] | 29·7[illegible] | 29·944 | 30·009 | +·029 | N61°W | 50 | 90·5 | 37·7 | 81·7 | 48·0 | 64·9 | −0·4 | 75 | −[illegible] | 1·[illegible] | −0·2 | 0·12 |
| | | Sonthal Parganas | Naya Dumka | 29·668 | 29·376 | 29·548 | 30·051 | +·057 | N4[illegible]°W | 38 | 90·9 | 46·5 | 80·1 | 55·7 | 68·0 | +1·6 | 50 | −7 | 0·[illegible] | — | 0·24 |
| Chota Nagpur | | Darjeeling | Darjeeling | 23·094 | 22·914 | 23·022 | 22·977 | +·02[illegible] | S53°E | 104 | 62·3 | 2[illegible]·7 | 50·6 | 36·3 | 43·5 | +1·7 | 74 | −1·[illegible] | 5·[illegible] | −[illegible] | 0·22 |
| | | Hazaribagh | Hazaribagh | 28·087 | 27·84[illegible] | 27·96[illegible] | 30·014 | +·023 | N[illegible]°W | 12[illegible] | 87·7 | 46·3 | 77·3 | 54·5 | 65·8 | −0·5 | 1[illegible] | [illegible] | [illegible] | −0·6 | 0·16 |
| | | Ranchi | Ranchi | 27·978 | 27·745 | 27·868 | 30·025 | +·031 | N60°W | 13[illegible] | 87·7 | 47·4 | 78·4 | 56·0 | 67·0 | +0·7 | 5[illegible] | [illegible] | [illegible] | +0·5 | 0·2[illegible] |
| | | Singhbhum | Chaibassa | 29·38[illegible] | 29·12[illegible] | 29·273 | 29·99[illegible] | +·015 | S60°W | 58 | 95·3 | 51·7 | 81·2 | 58·8 | 71·5 | [illegible] | 77 | [illegible] | [illegible] | +0·[illegible] | 0·44 |
| | | Palamau | Daltonganj | 29·432 | 29·164 | 29·316 | 30·049 | — | E | 66 | 93·1 | 42·0 | 80·9 | 51·3 | 66·1 | — | 8[illegible] | [illegible] | [illegible] | — | 0·26 |
| | | Manbhum | Purulia | 29·306 | 29·020 | 29·19[illegible] | 29·9[illegible] | — | N71°W | 67 | 93·5 | 50·6 | 84·2 | 58·4 | 71·2 | — | [illegible] | [illegible] | [illegible] | — | 0·57 |
| Orissa | Orissa | Sambalpur | Sambalpur | 29·628 | 29·401 | 29·535 | 29·988 | +·00[illegible] | N5[illegible]°E | 106 | 96·[illegible] | 53·6 | 87·4 | 61·4 | 74·4 | +0·5 | 64 | [illegible] | [illegible] | [illegible] | 0·1[illegible] |
| | | Angul | Angul | 29·66[illegible] | 29·4[illegible] | 29·558 | 29·990 | — | N58°W | 156 | 96·1 | 56·0 | 87·5 | 62·5 | 75·0 | — | 75 | | | — | 0·1 |
| | | Cuttack | Cuttack | 30·046 | 29·827 | 29·947 | 29·974 | +·01[illegible] | N59°E | 41 | 95·[illegible] | 62·[illegible] | 86·9 | 6[illegible]·6 | 76·3 | −1·[illegible] | 81 | [illegible] | | [illegible] | 1·[illegible] |
| | | | False Point | 30·121 | 29·804 | 30·018 | 29·981 | +·017 | N[illegible]3°W | 142 | 86·1 | 57·6 | 81·[illegible] | 6[illegible]·[illegible] | 72·3 | −1·5 | 8[illegible] | | | [illegible] | 1·5[illegible] |
| | | Balasore | Balasore | 30·09[illegible] | 29·84[illegible] | 29·985 | 29·98[illegible] | +·011 | N63°W | 58 | 93·1 | 5[illegible]·1 | 84·5 | 61·5 | 73·0 | −0·[illegible] | 75 | | | [illegible] | 2·0[illegible] |
| | | Puri | Puri | 30·091 | 29·868 | 29·990 | 29·953 | −·002 | N[illegible] | 245 | 86·6 | 61·1 | 84·4 | 6[illegible]·5 | 7[illegible]·9 | — | 80 | | | — | 0·3[illegible] |
| | | Ganjam | Gopalpur | 30·056 | 29·826 | 29·952 | 29·965 | +·015 | N37°W | 243 | 87·2 | 64·0 | 84·1 | 68·6 | 76·4 | +0·7 | 8[illegible] | | | — | Nil |
| | | | Calingapatam | 30·112 | 29·905 | 30·012 | 29·971 | — | S8[illegible]°W | 139 | — | — | — | — | — | — | — | | | — | 0·19 |

(a) Mean of 27 days. (b) Indeterminate.

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF FEBRUARY 1909.

THE month began with conditions rather unsettled owing to a shallow depression over Orissa, which was responsible for a limited amount of rain. This low pressure area, however, soon filled up and was succeeded by fine dry weather and cloudless skies. In the second week a disturbance from the Central Provinces affected the weather in South Bihar and Chota Nagpur, producing little else than a cold wave which gradually advanced into Eastern Bengal and Assam. This again was succeeded by cloudless skies and a general sub-normal temperature over the area under report.

On the 16th and 17th a little rain fell in Eastern Bengal, Assam, and Bihar, while the temperature rose somewhat. A rapid fall in the barometer occurred in the 21st associated with a very irregular pressure distribution over the two Provinces.

Showers were experienced in Eastern Bengal and Assam, and some thunderstorms accompanied by rain occurred during the last few days of the month.

The precipitation during the month was, on the whole, in defect, the shortage being most marked in the two Bengals, Assam, and Chota Nagpur. Each of these areas had only about one-fourth of the usual amount of rain. Cloud formation was normal and the temperature differed but little from its average value.

*Summary of temperature.*—The highest temperature observed was 96°·3 at Midnapore and the lowest 38°·8 was recorded at Motihari.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of February 1909:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | *Average for month.* | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 91·8 | 40·6 | 78·4 | 53·2 | 65·8 | — 0·1 |
| Eastern Bengal, North ... ... | 93·7 | 4[illegible]·0 | 81·2 | 52·1 | 66·7 | + 1·3 |
| Eastern Bengal, South ... ... | 92·8 | [illegible]5·4 | 82·7 | 55·8 | 69·3 | + 0·4 |
| Bengal ... ... ... | 96·3 | 44·0 | 84·3 | 59·2 | 71·8 | + 1·3 |
| Bihar ... ... ... | 93·4 | 35·8 | 80·7 | 52·3 | 66·5 | + 1·0 |
| Chota Nagpur* ... ... ... | 95·3 | 42·0 | 80·2 | 55·1 | 67·7 | 0 |
| Orissa ... ... ... | 96·1 | 53·6 | 85·1 | 64·4 | 74·8 | — 0·5 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province.

*Actual and average rainfall and departure from normal for the month of February 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 0·37 | 0·84 | — 0·47 |
| | Malda ... ... ... | Malda ... ... ... | 1·18 | 0·76 | + 0·42 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 0·55 | 0·59 | — 0·04 |
| | Jalpaiguri ... ... | Jalpaiguri ... ... | 0·72 | 0·39 | + 0·33 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 0·14 | 0·42 | — 0·28 |
| | Rangpur ... ... ... | Rangpur ... ... ... | 0·22 | 0·43 | — 0·21 |
| | Bogra ... ... ... | Bogra ... ... ... | 0·06 | 0·99 | — 0·93 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 1·37 | 0·91 | + 0·46 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 0·06 | 1·28 | — 1·22 |
| | Mymensingh ... ... | Mymensingh ... ... | 0·13 | 1·20 | — 1·07 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 0·45 | 1·32 | — 0·87 |
| | Backergunge ... ... | Barisal ... ... ... | 0·02 | 1·06 | — 1·04 |
| | Tippera ... ... ... | Comilla ... ... ... | Nil | 0·97 | — 0·97 |
| | Noakhali ... ... ... | Noakhali ... ... ... | Nil | 1·00 | — 1·00 |
| | Chittagong ... ... | Chittagong ... ... | Nil | 1·16 | — 1·16 |
| | | Cox's Bazar ... ... | Nil | 0·41 | — 0·41 |
| Bengal .. | Burdwan ... ... ... | Burdwan ... ... ... | 0·09 | 0·89 | — 0·80 |
| | | Raniganj ... ... ... | 0·18 | 1·05 | — 0·87 |
| | Bankura ... ... ... | Bankura ... ... ... | 0·10 | 1·03 | — 0·93 |
| | Midnapore ... ... | Midnapore ... ... | 0·37 | 0·91 | — 0·54 |
| | 24-Parganas ... ... | Saugor Island ... ... | 0·28 | 1·07 | — 0·79 |
| | Calcutta ... ... ... | Calcutta ... ... ... | 0·10 | 1·02 | — 0·92 |
| | Nadia ... ... ... | Krishnagar ... ... | 0·05 | 1·10 | — 1·05 |
| | Murshidabad ... ... | Berhampore ... ... | 0·02 | 0·92 | — 0·90 |
| | Jessore ... ... ... | Jessore ... ... ... | Nil | 1·01 | — 1·01 |
| Bihar .. | Patna ... ... ... | Bankipore ... ... ... | 0·52 | 0·53 | — 0·01 |
| | Gaya ... ... ... | Gaya ... ... ... | 0·99 | 0·64 | + 0·35 |
| | Shahabad ... ... | Dehri ... ... ... | 0·31 | 0·52 | — 0·21 |
| | | Buxar ... ... ... | 0·89 | 0·49 | + 0·40 |
| | | Arrah ... ... ... | 0·47 | 0·61 | — 0·14 |
| | Saran ... ... ... | Chapra ... ... ... | 0·24 | 0·49 | — 0·25 |
| | Champaran ... ... | Motihari ... ... ... | 0·18 | 0·37 | — 0·19 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 0·16 | 0·47 | — 0·31 |
| | Darbhanga ... ... | Darbhanga ... ... | 0·14 | 0·45 | — 0·31 |
| | Monghyr ... ... ... | Monghyr ... ... | 0·11 | 0·67 | — 0·56 |
| | Bhagalpur ... ... | Bhagalpur ... ... | 0·27 | 0·68 | — 0·41 |
| | Purnea ... ... ... | Purnea ... ... ... | 0·12 | 0·56 | — 0·44 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 0·24 | 0·70 | — 0·46 |
| | Darjeeling ... ... | Darjeeling ... ... | 0·22 | 1·08 | — 0·86 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | 0·10 | 0·81 | — 0·71 |
| | Ranchi ... ... ... | Ranchi ... ... ... | 0·23 | 1·08 | — 0·85 |
| | Singhbhum ... ... | Chaibassa ... ... | 0·49 | 0·96 | — 0·47 |
| | Palamau ... ... ... | Daltonganj ... ... | 0·25 | 0·53 | — 0·28 |
| | Manbhum ... ... | Purulia ... ... ... | 0·55 | 1·02 | — 0·47 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 0·49 | 0·58 | — 0·09 |
| | Angul ... ... ... | Angul ... ... ... | 0·12 | 0·77 | — 0·65 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 1·27 | 0·49 | + 0·78 |
| | | False Point ... ... | 1·33 | 0·90 | + 0·43 |
| | Balasore ... ... ... | Balasore ... ... ... | 2·03 | 1·21 | + 0·82 |
| | Puri ... ... ... | Puri ... ... ... | 0·39 | 0·99 | — 0·60 |

METEOROLOGICAL OFFICE, BENGAL,
*The 20th April 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of March 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... .. | 29·833 | | |
| The average pressure of March from 44 years' registers ... | 29·853 | | |
| The highest pressure in the month ... ... ... | 30·013 | 3rd | 10 |
| The lowest pressure in the month ... ... | 29·628 | 8th | 16 |
| The range of pressure ... ... ... ... | 0·385 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 269·7 | | |
| The maximum possible number of hours of sunshine ... | 371·3 | | |
| | ° | | |
| The mean temperature of the month ... ... ... | 82·2 | | |
| The average temperature of March from 19 years' registers ... | 79·2 | | |
| The highest temperature in the month ... .. ... | 102·7 | 26th & 27th | |
| The lowest temperature in the month ... | 56·5 | 4th | |
| The range of temperature during the month ... ... | 46·2 | | |
| The mean daily range of temperature ... ... .. | 28·6 | | |
| The greatest range of temperature in one day ... .. | 35·3 | 4th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 51 | | |
| The average humidity of March from 19 years' registers ... | 66 | | |
| | Inches. | | |
| The mean vapour tension of the month .. .. | 0·525 | | |
| The average vapour tension of March from 19 years' registers | 0·634 | | |
| The mean cloud proportion of the month ... ... | 1·15 | | |
| The average cloud proportion of March from 12 years' registers ... ... ... ... ... | 2·38 | | |
| | Inches. | | |
| The total rainfall of the month ... ... | Nil | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | Nil | | |
| The average fall of March from 23 years' registers ... ... | 1·14 | | |
| The greatest fall in 24 hours .. | Nil | | |
| | Days. | | |
| The number of rainy days in the month ... .. | Nil | | |
| The average number of rainy days in March from 23 years' registers ... ... ... | 2 | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... ... ... | 144·3 | | |
| The mean difference of sun and air temperatures .. .. | 46·9 | | |
| The greatest sun temperature ... ... .. | 150·4 | 25th | |
| The greatest excess of sun over air temperature .. ... | 51·1 | 12th | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... .. .. | 62·3 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... .. ... ... ... | 6·5 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... .. | 12·1 | 12th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 120·2 | | |
| The greatest movement of the wind in one day ... ... | 196 | 8th | |
| The greatest movement of the wind in one hour ... ... | 16 | 2nd & 12th | 11 to noon. |

The number of hours with winds from each of the eight points—

N. 39, N.E. 7, E. 3, S.E. 9, S. 107, S.W. 327, W. 149, N.W. 80, Calm 23.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 19th April 1909.*

## Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th April 1909.

| Month. | Date | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| 1909, April | 4th | 150·2 | 6·4 | 29·873 | 84·9 | 94·7 | 18·2 | 76·5 | 73·1 | 0·725 | 69·6 | 67 | SSW, SSE and ESE. | 171 | Nil | Partially cloudy. ☄. |
| ,, | 5th | 145·9 | 8·7 | ·864 | 83·9 | 94·5 | 19·9 | 74·6 | 74·2 | ·741 | 70·2 | 66 | SW by W, SW and SSW. | 159 | Nil | Partially cloudy. |
| ,, | 6th | 147·5 | 8·6 | ·852 | 84·7 | 95·6 | 20·4 | 75·2 | 76·2 | ·807 | 72·8 | 71 | SSW and S by E. | 112 | Nil | Partially cloudy. |
| ,, | 7th | 115·4 | 8·7 | ·801 | 83·5 | 95·6 | 22[illegible] | 72·8 | 74·7 | ·768 | 71·3 | 70 | SE by S, and SSW. | 164 | Nil | Partially cloudy. |
| ,, | 8th | 147·7 | 8·5 | ·718 | 88·9 | 100·2 | 21·3 | 78·9 | [illegible]7·9 | ·846 | 74·2 | 67 | SW and SSW. | 269 | Nil | Partially cloudy. |
| ,, | 9th | 145·6 | 8·6 | ·729 | 88·0 | 98·4 | 19·4 | 79·0 | [illegible]·7 | ·888 | 75·6 | 71 | SW by S, SW and S. | 265 | Nil | Partially cloudy. |
| ,, | 10th | 142·4 | 2·4 | ·776 | 85·6 | 93·7 | 11·9 | 78·8 | 76[illegible] | ·823 | 73·4 | 69 | SSW, SW by W and SSE. | 164 | Nil | Chiefly cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... | 29·802 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·767 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... ... | 51·9 |
| The maximum possible number of hours of sunshine ... ... ... | 87·2 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 85·6 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 84·5 |
| The extreme variation of temperature ... ... ... ... | 27·4 |
| The maximum temperature ... ... ... ... ... | 100·2 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... ... | 16 |
| | % |
| The mean relative humidity ... ... ... ... ... | 69 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 68 |
| | Inches. |
| The total fall of rain from 4th to 10th April 1909 ... ... ... | Nil |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·40 |
| The total fall from 1st January to 10th April 1909 ... ... ... | 0·10 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 3·33 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

☄, dust-storm.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
*Alipore (Calcutta), the 10th April 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th April 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| April | 11th | 147·5 | 7·3 | 29·755 | 86·6 | 96·2 | 17·9 | 78·3 | 77·1 | 0·853 | 74·4 | 76 | S, SSW and ESE | 215 | Nil | Partially cloudy o, g, t, <, ⚡. |
| " | 12th | 144·7 | 4·9 | ·819 | 80·4 | 92·7 | 23·2 | 69·5 | 73·5 | ·761 | 71·0 | 74 | S by E, SSW and E | 180 | Nil | Chiefly cloudy o, g, d, t, <. |
| " | 13th | 149·4 | 8·9 | ·820 | 79·2 | 92·5 | 25·3 | 67·2 | 71·8 | ·708 | 68·9 | 74 | SW by W, ESE and SSE. | 123 | 0·10 | Partially cloudy o, g, d, t, p, <. |
| " | 14th | 143·4 | 8·9 | ·812 | 79·4 | 92·3 | 24·5 | 67·8 | 72·9 | ·750 | 70·6 | 76 | SSW ... | 160 | 0·47 | Partially cloudy, o, g, d, t, p, <, ⚡. |
| " | 15th | 141·4 | 8·1 | ·845 | 78·0 | 89·7 | 22·0 | 67·7 | 71·6 | ·713 | 69·1 | 75 | ESE, WSW and variable. | 94 | 0·70 | Partially cloudy |
| " | 16th | 144·4 | 5·4 | ·757 | 81·7 | 95·7 | 20·7 | 75·0 | 72·3 | ·653 | 66·6 | 59 | SW by W, SW and S. | 170 | Nil | Partially cloudy. o. |
| " | 17th | 152·6 | 3·1 | ·774 | 78·7 | 87·7 | 16·7 | 71·0 | 68·8 | ·609 | 64·6 | 65 | S by E and ESE | 103 | Nil | Chiefly cloudy. |

| | |
|---|---|
| The mean pressure of the seven days ... ... ... ... | Inches. 29·797 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 29·746 |
| The total number of hours of bright sunshine ... ... ... | Hours. 46·6 |
| The maximum possible number of hours of sunshine ... ... ... | 88·2 |
| The mean temperature of the seven days ... ... ... ... | ° 81·0 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 84·9 |
| The extreme variation of temperature ... ... ... ... | 29·0 |
| The maximum temperature ... ... ... ... ... | 96·2 |
| The highest velocity of the wind in one hour ... ... ... | Miles. 21 |
| The mean relative humidity ... ... ... ... ... | % 71 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 69 |
| The total fall of rain from 11th to 17th April 1909 ... ... ... | Inches. 1·27 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·22 |
| The total fall from 1st January to 17th April 1909 ... ... ... | 1·37 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·55 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; <, Lightning; ⚡, strong wind; ⚡, dust-storm.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 19th April 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 3rd April 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 551,745 | 4,74,848 0 0 | 72,36,065 0 | 11,74,510 0 0 | 42,474 0 0 | 16,91,832 0 0 | 169,459 | 219,862 | 389,321 |
| Or per mile of railway ... | ..... | 207 2 3 | ..... | 512 5 8 | 18 8 5 | 738 0 5 | ..... | ..... | ..... |
| For previous 12¾ weeks of half-year | 6,685,698 | 62,21,247 0 0 | 8,54,98,635 0 | 1,39,01,412 0 0 | 5,58,227 0 0 | 2,06,80,886 0 0 | 2,033,697 | 2,674,637 | 4,708,334 |
| Total for 13¾ weeks ... | 7,237,443 | 66,96,095 0 0 | 9,27,34,700 0 | 1,50,75,922 0 0 | 6,00,701 0 0 | 2,23,72,718 0 0 | 2,203,156 | 2,894,499 | 5,097,655 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 500,984 | 4,78,643 8 9 | 72,47,145 20 | 11,38,395 5 3 | 41,243 14 10 | 16,58,282 12 10 | 164,241 | 233,266 | 400,507 |
| Per mile of railway corresponding week of previous year. | ..... | 209 4 7 | ..... | 497 12 1 | 18 0 6 | 725 1 2 | ..... | ..... | ..... |
| Total for corresponding 13¾ weeks of previous year. | 7,274,557 | 69,71,092 5 3 | 10,04,53,347 0 | 1,58,85,741 10 8 | 5,57,592 10 2 | 2,34,14,426 10 1 | 2,199,185 | 3,089,482 | 5,288,667 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,312,928 | 20,57,070 | [illegible]02,58,230 | 49,14,237 | 2,17,919 | 71,89,196 | 3,136 | 1,677,717 | 4 4 7 |
| 2,292·37 | First 6 days of Feb. ... | 474,007 | 4,03,555 | [illegible]2,74,625 | 10,27,046 | 31,093 | 14,69,744 | 641 | 326,356 | 4 8 1 |
| 2,292·37 | Week ended 13th ,, ... | 534,137 | 5,31,039 | [illegible]20,715 | 11,69,116 | 47,266 | 17,47,421 | 762 | 385,440 | 4 8 6 |
| 2,292·37 | ,, ,, 20th ,, ... | 604,226 | 6,24,120 | [illegible]93,697 | 11,26,739 | 47,266 | 17,98,175 | 784 | 393,578 | 4 9 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 565,066 | 5,55,993 | [illegible]7,921 | 11,67,220 | 45,871 | 17,68,984 | 772 | 382,621 | 4 10 0 |
| 2,292·37 | ,, ,, 6th Mar. ... | 586,749 | 5,56,500 | [illegible]25,496 | 11,52,450 | 47,266 | 17,56,216 | 766 | 387,029 | 4 8 7 |
| 2,292·37 | ,, ,, 13th ,, ... | 567,310 | 5,14,413 | [illegible]1,994 | 11,16,505 | 35,536 | 16,66,454 | 727 | 387,668 | 4 4 9 |
| 2,292·37 | ,, ,, 20 h ,, ... | 531,252 | 4,93,555 | [illegible]2,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 386,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 527,[illegible]23 | 4,84,702 | [illegible]6,271 | 10,89,218 | 42,174 | 16,16,314 | 705 | 381,653 | 4 3 9 |
| 2,292·37 | ,, ,, 3rd Apl. ... | 551,745 | 4,74,848 | 72,[illegible]065 | 11,74,510 | 42,474 | 16,91,832 | 738 | 389,321 | 4 5 6 |
| | Totals up to date ... | 7,237,443 | 66,96,095 | 9,27,34,700 | 1,50,75,922 | 6,00,701 | 2,23,72,718 | 735 | 5,097,655 | 4 6 3 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,641 | 20,92,534 | 3,18,38,828 | 50,53,727 | 1,75,350 | 73,21,611 | 3,201 | 1,682,116 | 4 5 9 |
| 2,287·05 | First 1 day of Feb. .. | 92,654 | 94,319 | 10,44,227 | 1,68,300 | 5,705 | 2,68,414 | 117 | 55,613 | 4 13 3 |
| 2,287·05 | Week ended 8th ,, ... | 642,223 | 6,29,534 | 67,78,774 | 11,47,199 | 40,138 | 18,16,871 | 794 | 385,893 | 4 11 4 |
| 2,287·05 | ,, ,, 15th ,, ... | 522,987 | 5,20,704 | 72,60,787 | 12,32,102 | 46,759 | 18,19,565 | 796 | 393,622 | 4 10 0 |
| 2,287·05 | ,, ,, 22nd ,, ... | 587,955 | 5,55,293 | 70,82,960 | 12,51,245 | 43,823 | 18,50,961 | 809 | 399,806 | 4 10 7 |
| 2,287·05 | ,, ,, 29th ,, ... | 575,504 | 5,60,715 | 76,27,245 | 12,71,063 | 45,554 | 18,77,334 | 821 | 402,273 | 4 10 8 |
| 2,287·05 | ,, ,, 7th Mar. ... | 622,800 | 5,45,939 | 79,95,192 | 11,25,979 | 43,982 | 17,14,900 | 750 | 388,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 508,[illegible]0 | 5,44,733 | 77,15,217 | 10,78,964 | 34,757 | 16,58,454 | 725 | 378,642 | 4 6 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,34,610 | 74,70,846 | 11,14,138 | 40,626 | 15,89,374 | 695 | 393,366 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,075 | 5,15,047 | 83,92,115 | 12,84,537 | 39,655 | 18,39,239 | 804 | 408,375 | 4 8 1 |
| 2,287·05 | ,, ,, 4th Apl. ... | 500,984 | 4,78,644 | 72,47,146 | 11,38,395 | 41,244 | 16,58,282 | 725 | 400,507 | 4 2 3 |
| | Totals up to date ... | 7,274,557 | 69,71,092 | 10,04,53,347 | 1,58,85,741 | 5,57,593 | 2,34,14,426 | 754 | 5,288,637 | 4 6 10 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 3rd April 1909, on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 27,470 | 7,115 0 0 | 25,230 0 | 1,066 0 0 | 6 0 0 | 8,187 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 320 5 8 | ... | 47 15 11 | 0 4 4 | 368 9 11 | .. | .. | 16,656 2 076 18,732 |
| For previous 12¾ weeks of half-year | 355,922 | 84,515 0 0 | 2,97,899 0 | 9,244 0 0 | 87 0 0 | 93,856 0 0 | 16,656 | 2 076 | 18,732 |
| Total for 13¾ weeks ... | 383,392 | 91,630 0 0 | 3,23,129 0 | 10,316 0 0 | 103 0 0 | 1,02,043 0 0 | 17,993 | 2,233 | 20,228 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 29,495 | 7,793 6 8 | 30,513 10 | 1,225 8 0 | 9 1 0 | 9,026 15 8 | 1,342 | 160 | 1,502 |
| Per mile of railway corresponding week of previous year ... ... | ... | 250 8 7 | ... | 55 2 1 | 0 6 6 | 406 1 2 | ... | ... | ... |
| Total for corresponding 13¾ weeks of previous year ... ... ... | 427,931 | 106,484 14 9 | 3,51,494 10 | 12,434 8 0 | 107 12 3 | 1,19,037 3 0 | 19,260 | 2,064 | 21,324 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. | 105,932 | 24,217 | 1,08,797 | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 9 |
| 22·21 | First 6 days of Feb. | 26,048 | 7,583 | 13,490 | 582 | 7 | 8,172 | 368 | 1,300 | 6 4 7 |
| 22·21 | Week ended 13th " | 27,637 | 6,441 | 18,304 | 751 | 9 | 7,191 | 324 | 1,476 | 4 13 11 |
| 22·21 | " " 20th " | 55,835 | 14,175 | 19,472 | 850 | 9 | 15,014 | 676 | 1,784 | 8 6 6 |
| 22·21 | " " 27th " | 26,114 | 5,599 | 29,445 | 1,158 | 8 | 6,738 | 304 | 1,496 | 4 8 3 |
| 22·21 | " " 6th March | 24,474 | 8,132 | 20,941 | 899 | 9 | 9,031 | 4 7 | 1,496 | 6 0 7 |
| 22·21 | " " 13th " | 31,132 | 6,775 | 28,182 | 1,010 | 11 | 7,746 | 349 | 1,496 | 5 2 10 |
| 22·21 | " " 20th " | 28,049 | 6,083 | 31,911 | 1,322 | 11 | 7,419 | 334 | 1,496 | 4 15 4 |
| 22·21 | " " 27th " | 27,641 | 6,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| 22·21 | " " 3rd April | 27,479 | 7,115 | 25,239 | 1,036 | 6 | 8,187 | 369 | 1,496 | 5 7 7 |
| | Totals up to date | 3,95,351 | 91,631 | 3,23,129 | 10,310 | 103 | 1,02,043 | 346 | 20,228 | 5 0 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. | 111,387 | 26,514 | 85,593 | 3,136 | 30 | 29,710 | 1,336 | 6,600 | 4 4 11 |
| 22·23 | First 1 day of Feb. | 5,716 | 1,497 | 2,873 | 121 | 0 | 1,618 | 73 | 234 | 6 5 11 |
| 22·23 | Week ended 8th " | 57,813 | 16,104 | 20,135 | 847 | 11 | 17,022 | 766 | 2,088 | 8 2 5 |
| 22·23 | " " 15th " | 25,779 | 6,058 | 39,019 | 974 | 6 | 7,038 | 317 | 1,496 | 4 11 3 |
| 22·23 | " " 22nd " | 33,136 | 8,053 | 32,249 | 1092 | 7 | 9,052 | 407 | 1,434 | 6 5 0 |
| 22·23 | " " 29th " | 27,051 | 6,422 | 31,413 | 1,167 | 9 | 7,598 | 342 | 1,496 | 5 1 3 |
| 22·23 | " " 7th March | 52,829 | 14,739 | 15,153 | 676 | 6 | 15,421 | 694 | 1,886 | 8 2 10 |
| 22·23 | " " 14th " | 29,794 | 6,578 | 28,067 | 965 | 8 | 7,551 | 340 | 1,276 | 5 14 8 |
| 22·23 | " " 21st " | 29,738 | 7,049 | 28,701 | 1,202 | 11 | 8,262 | 372 | 1,431 | 5 12 5 |
| 22·23 | " " 28th " | 24,593 | 5,588 | 28,965 | 1,129 | 11 | 6,728 | 303 | 1,562 | 4 4 11 |
| 22·23 | " " 4th April | 28,495 | 7,792 | 31,513 | 1,225 | 9 | 9,027 | 406 | 1,502 | 6 0 2 |
| | Totals up to date | 427,931 | 1,06,484 | 3,51,494 | 12,430 | 108 | 1,19,027 | 395 | 21,334 | 5 9 4 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for week ended 3rd April 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 31,988 | 25,083 0 0 | 3,26,939 0 | 22,820 0 0 | 42 0 0 | 47,945 0 0 | 12,267 | 5,248 | 17,515 |
| Or per mile of railway | ..... | 154 0 0 | | 140 8 10 | 0 4 2 | 295 4 10 | .. | ..... | ..... |
| For previous 12½ weeks of half-year | 321,807 | 2,13,124 0 0 | 31,16,238 | 2,29,312 0 0 | 539 0 0 | 4,72,975 0 0 | 149,427 | 62,536 | 211,963 |
| Total for 13¾ weeks | 353,795 | 2,68,207 0 0 | 37,43,177 0 | 2,52,132 0 0 | 581 0 0 | 5,20,920 0 0 | 161,694 | 67,784 | 229,478 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 37,359 | 31,845 15 0 | 4,43,419 0 | 36,813 0 0 | 33 11 6 | 68,752 10 6 | 12,690 | 6,792 | 18,882 |
| Per mile of railway corresponding week of previous year. | ..... | 196 3 4 | ..... | 226 11 9 | 0 9 3 | 423 7 4 | ..... | ..... | ..... |
| Total for corresponding 13¾ weeks of previous year | 380,963 | 2,69,661 10 8 | 37,98,398 0 | 2,80,660 15 0 | 785 15 6 | 5,51,048 9 2 | 159,269 | 74,977 | 234,246 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers | Rs. | Mds | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. | 91,754 | 67,058 | 11,65,905 | 68,193 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| 162·36 | First 6 days of Feb. | 20,060 | 17,911 | 2,41,121 | 14,393 | 28 | 32,712 | 202 | 14,501 | 2 4 1 |
| 162·36 | Week ended 13th " | 26,197 | 19,434 | 2,86,488 | 15,038 | 40 | 34,516 | 235 | 17,003 | 2 4 0 |
| 162·36 | " " 20th " | 30,461 | 18,405 | 2,84,605 | 19,559 | 40 | 38,004 | 235 | 17,503 | 2 2 10 |
| 162·36 | " " 27th " | 29,576 | 22,344 | 2,83,054 | 17,181 | 42 | 39,587 | 246 | 16,785 | 2 6 0 |
| 162·36 | " " 6th March | 39,816 | 21,715 | 3,03,067 | 20,986 | 40 | 42,741 | 263 | 17,536 | 2 6 11 |
| 162·36 | " " 13th " | 29,935 | 24,414 | 3,41,583 | 22,888 | 43 | 47,345 | 291 | 16,743 | 2 13 2 |
| 162·36 | " " 20th " | 32,976 | 24,893 | 3,24,793 | 23,973 | 43 | 48,909 | 301 | 18,350 | 2 10 8 |
| 162·36 | " " 27th " | 32,322 | 27,926 | 2,88,860 | 21,718 | 42 | 49,686 | 306 | 18,173 | 2 11 9 |
| 162·36 | " " 3rd April | 31,988 | 25,083 | 3,26,939 | 22,820 | 42 | 47,945 | 295 | 17,515 | 2 11 10 |
| | Totals up to date | 3,95,395 | 2,68,207 | 37,43,177 | 2,52,132 | 581 | 5,20,920 | 241 | 229,478 | 2 4 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. | 103,467 | 69,564 | 11,46,303 | 78,637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | First 1 day of Feb. | 3,709 | 2,424 | 37,536 | 3,719 | 8 | 6,151 | 32 | 2,444 | 2 1 9 |
| 162·36 | Week ended 8th " | 23,743 | 18,906 | 2,74,281 | 18,735 | 65 | 37,806 | 227 | 10,946 | 2 2 9 |
| 162·36 | " " 15th " | 25,018 | 1,128 | 2,75,384 | 17,403 | 81 | 34,022 | 215 | 16,810 | 2 1 3 |
| 162·36 | " " 22nd " | 32,403 | 20,464 | 2,10,444 | 21,148 | 48 | 41,660 | 256 | 16,709 | 2 7 10 |
| 162·36 | " " 29th " | 25,812 | 19,147 | 2,83,522 | 21,695 | 59 | 40,901 | 251 | 17,147 | 2 6 1 |
| 162·36 | " " 7th March | 29,611 | 19,722 | 2,11,091 | 23,994 | 52 | 43,168 | 238 | 16,926 | 2 9 1 |
| 162·36 | " " 14th " | 31,[illegible] | 20,[illegible] | 2,96,264 | 20,550 | 47 | 42,578 | 262 | 17,543 | 2 6 10 |
| 162·36 | " " 21st " | 30,[illegible] | 22,381 | 2,93,831 | 22,085 | 55 | 44,520 | 276 | 17,748 | 2 8 5 |
| 162·36 | " " 28th " | 31,[illegible] | 20,489 | 2,[illegible],478 | 17,143 | 60 | 43,692 | 269 | 17,630 | 2 7 8 |
| 162·36 | " " 4th April | 34,[illegible] | 21,846 | 4,45,419 | 36,813 | 94 | 68,753 | 423 | 18,882 | 3 10 8 |
| | Totals up to date | 380,963 | 2,69,662 | 37,98,398 | 2,80,601 | 786 | 5,51,049 | 250 | 234,246 | 2 5 8 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 3rd April 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 79,000 | 45,000 0 0 | 3,16,500 0 | 39,500 0 0 | 3,500 0 0 | 88,000 0 0 | 14,507 | 20,390 | 34,897 |
| Or per mile of railway .. ... | 102·86 | 58·59 | 410·51 | 51·23 | 4·54 | 114·36 | 18·89 | 26·45 | 45·34 |
| For previous 13 weeks of half-year ... ... .. ... | 932,525 | 5,99,424 0 0 | 4,515,564 0 | 5,33,150 0 0 | 63,963 0 0 | 11,96,537 0 0 | 175,762 | 244,568 | 420,330 |
| Total for 14 weeks ... | 1,011,525 | 6,44,424 0 0 | 4,832,064 0 | 5,72,650 0 0 | 67,463 0 0 | 12,84,537 0 0 | 190,269 | 264,958 | 455,227 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... .. | 70,505 | 42,898 0 0 | 337,526 0 | 32,520 0 0 | 5,213 0 0 | 80,631 0 0 | 15,579 | 20,618 | 36,197 |
| Per mile of railway corresponding week of previous year ... | 91·80 | 55·86 | 437·78 | 42·18 | 6·76 | 104·80 | 20·29 | 26·74 | 47·03 |
| Total to corresponding date of previous year ... ... ... | 968,354 | 6,68,891 0 0 | 3,614,812 0 | 5,20,152 0 0 | 63,347 0 0 | 12,52,690 0 0 | 219,992 | 276,694 | 496,686 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 3rd April 1909. | | | Receipts for week ending 4th April 1908. | | | Total receipts from 1st April 1908 to 31st March 1909. | | | Total receipts from 1st April 1907 to 31st March 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 88,000 | 114·36 | 771 | 80,631 | 104·80 | 771 | 47,29,859 | ... | 771 | 48,64,189 | ... | ..... | 1,34,930 |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 27th March 1909 on 1,827 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,827 miles open .. .. | 358,760 | 1,52,60[illegible] (a) | 1,240,7[illegible]0 | 1,67,[illegible]80 (b) | 33,[illegible]0 | 3,54,300 | 59,974 | (c) 43,3[illegible]7 | 103,341 |
| Or per mile of railway .. | 196·37 | [illegible] | 679·14 | 91·89 | 18·51 | 193·92 | ..... | ..... | ..... |
| For previous 11½ weeks of half-year (d) .. ... ... ... | 3,732,531 | 15,32,497 | 13,756,773 | 20,9[illegible],754 | 2,68,745 | 38,96,905 | 649,6[illegible] | 565,252 | 1,214,8[illegible] |
| Total for 12½ weeks ... ... | 4,091,291 | 16,85,097 | 14,997,563 | 22,63,634 | 3,02,565 | 42,51,296 | 709,574 | 608,619 | 1,318,[illegible]93 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... ... ... ... ... | 326,391 | 1,32,472 | 1,140,145 | 1,66,071 | 33,928 | 3,32,471 | 54,273 | (e) 47,485 | 101,758 |
| Per mile of corresponding week of previous year ... ... ... | 181·63 | 73·7[illegible] | 634·47 | 92·41 | 18·88 | 185·01 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 3,946,242 | 17,37,418 | 15,419,955 | 21,42,206 | 2,95,69[illegible] | 41,75,320 | 718,194 | 6[illegible]0,375 | 1,318,[illegible] |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 2·54 | | 3·87 | ·31 | 3·43 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·44 | | 3·50 | ·33 | 3·27 | | | |

(a) Increase under passengers due to Ram Naumi mela held later last year.
(b) Increase in weight with slight increase in amount due to an adjustment of ballast train weight.
(c) Includes 5,[illegible]78 miles of ballast trains.
(d) Includes Audit figures for the month of January 1909.
(e) Includes 3,070 miles of ballast trains.

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 3rd April 1909 on 1,827 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. | Rs. | | | |
| Total traffic for the week on 1,827 miles open ... | 393,270 | 1,62,680 | 1,099,440 | 1,55,080 | 24,130 | 3,41,890 | 58,777 | (c)44,144 | 102,921 |
| Or per mile of railway ... | 215·25 | 89·04 | 601·77 | 84·88 | 13·21 | 187·13 | ..... | ..... | ..... |
| For previous 12¾ weeks of half-year (d) ... ... .. ... | 4,091,291 | 16,85,097 | 14,997,563 | 22,63,634 | 3,02,565 | 42,51,296 | 709,574 | 608,619 | 1,318,193 |
| Total for 13¾ weeks ... | 4,484,561 | 18,47,777 | 16,097,003 | 24,18,714 | 3,26,695 | 45,93,186 | 768,351 | 652,763 | 1,421,114 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... .. ... | 314,061 | 1,34,494 | 1,222,106 | 1,64,826 | 23,754 | 3,23,074 | 54,400 | (e)45,541 | 99,941 |
| Per mile of corresponding week of previous year ... ... | 174·77 | 74·85 | 680·08 | 91·72 | 13·22 | 179·79 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 4,260,303 | 18,71,912 | 16,639,061 | 23,07,032 | 3,19,449 | 44,98,393 | 772,594 | 645,914 | 1,418,508 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·77 | | 3·51 | ·23 | 3·32 | | | |
| Ditto for corresponding week of previous year ... ... ... | | 2·47 | | 3·02 | ·24 | 3·23 | | | |

(a) Increased passengers due to Ram Navami mela held later last year.
(b) Decrease chiefly under foreign outward.
(c) Includes 5,886 miles of ballast trains.
(d) Includes audited figures for the month of January 1909.
(e) Includes 2,424 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ended 10th April 1909 on (d) 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 531,310 | 2,25,500 0 0 | 2,014,910 0 | 2,23,940 0 0 | 22,960 0 0 | 4,72,400 0 0 | 78,967 | (b)44,565 | 123,532 |
| Or per mile of railway ... ... | 355 | 151 0 0 | 1,346 0 | 149 0 0 | (a)2 0 0 | (a)302 0 0 | ..... | ..... | ..... |
| For previous 14 weeks of half-year (c) ... ... ... ... | 6,707,416 | 28,14,923 0 0 | 30,151,466 0 | 38,40,184 0 0 | 5,68,171 0 0 | 72,23,178 0 0 | 1,025,330 | 699,783 | 1,725,113 |
| Total for 15 weeks ... | 7,238,726 | 30,40,413 0 0 | 32,166,376 0 | 40,64,124 0 0 | 5,91,131 0 0 | 76,95,668 0 0 | 1,104,297 | 744,348 | 1,848,645 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 595,232 | 2,32,518 0 0 | 1,932,179 0 | 2,13,139 0 0 | 17,936 0 0 | 4,63,593 0 0 | 77,870 | 38,521 | 116,391 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 467 | 183 0 0 | 1,517 0 | 167 0 0 | 1 0 0 | 351 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 7,834,246 | 33,34,765 0 0 | 29,114,355 0 | 33,73,761 0 0 | 5,01,132 0 0 | 72,09,658 0 0 | 1,142,794 | 656,818 | 1,799,612 |

(a) Excluding steamer earnings, Rs. 20,400.
(b) Excluding ballast train-miles, 10,584.
(c) Audited up to 31st January 1909.
(d) Increase in mileage is due to opening of Gauhati extension up to Mingaon station.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 10th April 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 42,710 | 11,310 0 0 | 50,060 0 | 3,460 0 0 | 520 0 0 | 15,290 0 0 | 5,706 | (a)1,050 | 6,846 |
| Or per mile of railway ... | 497 | 132 0 0 | 583 0 | 40 0 0 | 6 0 0 | 178 0 0 | ..... | ..... | ..... |
| For previous 14 weeks of half-year (b) ... ... ... ... | 585,480 | 1,83,524 0 0 | 1,091,037 0 | 83,931 0 0 | 2,845 0 0 | 2,70,300 0 0 | 75,164 | 20,086 | 95,250 |
| Total for 15 weeks ... | 628,190 | 1,94,834 0 0 | 1,141,997 0 | 87,391 0 0 | 3,365 0 0 | 2,85,590 0 0 | 80,960 | 21,136 | 102,096 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 76,975 | 18,264 0 0 | 19,418 0 | 5,809 0 0 | 533 0 0 | 24,611 0 0 | 5,826 | 1,228 | 7,054 |
| Per mile of railway corresponding week of previous year ... | 895 | 212 0 0 | 1,063 0 | 68 0 0 | 6 0 0 | 286 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 670,692 | 2,04,319 0 0 | 1,606,820 0 | 1,12,464 0 0 | 4,611 0 0 | 3,21,394 0 0 | 83,124 | 26,388 | 109,512 |

(a) Ballast train-miles, Nil.
(b) Audited up to January 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 10th April 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,390 | 2,060 0 0 | 23,570 0 | 1,470 0 0 | 10 0 0 | 3,540 0 0 | 446 | (a)914 | 1,360 |
| Or per mile of railway ... | 131 | 61 0 0 | 701 0 | 44 0 0 | ..... | 105 0 0 | ..... | ..... | ..... |
| For previous 14 weeks of half-year (b) ... ... ... ... | 58,745 | 24,027 0 0 | 329,177 0 | 24,723 0 0 | 126 0 0 | 48,876 0 0 | 6,247 | 23,706 | 29,953 |
| Total for 15 weeks ... | 63,135 | 26,087 0 0 | 352,747 0 | 26,193 0 0 | 136 0 0 | 52,416 0 0 | 6,693 | 24,620 | 31,313 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 8,213 | 2,775 0 0 | 26,160 0 | 1,518 0 0 | 27 0 0 | 4,320 0 0 | 436 | 988 | 1,434 |
| Per mile of railway corresponding week of previous year ... | 244 | 83 0 0 | 779 0 | 45 0 0 | 1 0 0 | 129 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year . .. . | 71,294 | 28,425 0 0 | 370,428 0 | 26,093 0 0 | 237 0 0 | 54,755 0 0 | 6,502 | 22,059 | 28,561 |

(a) Excluding ballast train-miles, 900.
(b) Audited up to January 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 10th April 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 13,810 | 4,120 0 0 | 50,100 0 | 2,090 0 0 | 30 0 0 | 6,240 0 0 | 2,019 | (a)576 | 2,586 |
| Or per mile of railway ... ... | 256 | 76 0 0 | 928 0 | 39 0 0 | 1 0 0 | 116 0 0 | ..... | ..... | ..... |
| For previous 14 weeks of half-year (b) ... ... ... ... | 242,710 | 66,438 0 0 | 786,133 0 | 46,619 0 0 | 326 0 0 | 1,13,383 0 0 | 26,398 | 10,739 | 37,737 |
| Total for 15 weeks ... | 256,520 | 70,558 0 0 | 836,233 0 | [illegible]709 0 0 | 356 0 0 | 1,19,623 0 0 | 28,008 | 11,315 | 39,323 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 28,954 | 7,113 0 0 | 61,516 0 | 2,300 0 0 | 21 0 0 | 9,434 0 0 | [illegible] | 702 | 2,859 |
| Per mile of railway corresponding week of previous year ... ... | 536 | 132 0 0 | 1,139 0 | 43 0 0 | ..... | 175 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... . ... | 257,375 | 67,302 0 0 | 595,798 0 | 32,134 0 0 | —2,191 0 0 | 97,245 0 0 | 30,665 | 7,720 | 38,385 |

(a) [illegible]st train-miles [illegible].
(b) Audited up to 31st January 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 10th April 1909 ... | Coaching ... | 11,459 0 0 | 19,655 0 0 |
| | Goods ... | 8,139 0 0 | |
| | Other earnings ... | 57 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 11,313 0 0 | 19,442 0 0 |
| | Goods ... | 8,067 0 0 | |
| | Other earnings ... | 62 0 0 | |
| | Increase | — | 213 0 0 |
| Receipts per mile for the week ending 10th April 1909 ... | — ... | — | 385 6 3 |
| Ditto for the corresponding period of 1908 ... | — .. | — | 381 3 5 |
| | Increase | — | 4 2 10 |
| Receipts from 1st January to 10th April 1909 ... ... ... | — | — | 2,29,780 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... | ... | ... | 2,16,104 0 0 |
| | Increase | ... | 13,676 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 21st April 1909.

REGISTERED No. C 209.]

No. 17 of 1909.

# SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, APRIL 28, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Liberality of Mahant Govinda Ramanuj Das ... ... | [illegible] |
| Revision of syllabuses of studies for Lower Primary Schools—Standards III to VI ... ... ... ... | 630—[illegible] |
| Weather and Crop Report for the week ending the 26th April 1909 ... ... ... ... ... | 656—[illegible] |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th April 1909 ... | 662—[illegible] |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 24th April 1909 ... ... ... ... ... ... ... ... | 670 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th April 1909 ... ... ... ... ... ... ... ... | 671 |
| Railway Returns ... ... ... ... ... ... | 672—680 |

## LIBERALITY OF MAHANT GOVINDA RAMANUJ DAS.

### NOTIFICATION.

*No. 72T.G.—The 19th April 1909.*—Letter No. 69T.G., dated the 19th April 1909, from the Government of Bengal, General Department, to the Commissioner of the Orissa Division, published for general information.

J. G. CUMMING,
*Offg. Secy. to the Govt. of Bengal.*

No. 69T.G., dated Darjeeling, the 19th April 1909.

From—J. G. CUMMING, ESQ., I.C.S., Offg. Secy. to the Govt. of Bengal, General Department,

To—The Commissioner of the Orissa Division.

WITH reference to your letter No. 72L.F., dated the 19th March 1909, regarding the donation of Rs. 1,750 made by Mahant Govinda Ramanuj Das of the Utterparsa Math for the creation of a scholarship to be named after His Honour the Lieutenant-Governor, I am directed to communicate sanction to your proposals that the amount should be invested in the 3½ per cent. Government securities, and that a Trust Fund should be opened to be known as the Baker Scholarship Fund.

2. The interest will be utilised for the award of a scholarship of Rs. 5 a month to a student of the Puri Zilla School who passes the Matriculation Examination of the Calcutta University, subject to the following conditions:—

(1) It should be awarded to the successful candidate who most needs such help;

(2) It should not be held with any other scholarship; and

(3) It should be given every second year so that one scholar may hold it for the two years' Intermediate Course.

The Collector of Puri will be the Administrator of the fund.

3. I am to request that the thanks of Government may be conveyed to the donor for his liberality. The letter will be published in the *Calcutta Gazette*.

## REVISION OF SYLLABUSES OF STUDIES FOR LOWER PRIMARY SCHOOLS—STANDARDS III TO VI.

GENERAL DEPARTMENT—EDUCATION.

*Darjeeling, the 20th April 1909.*

RESOLUTION—No. 109T.—G.

READ—

The Resolution of this Government, No. 1028T.—G., dated the 10th June 1907.

The letter from the Director of Public Instruction, Bengal, No. 11688, dated the 5th July 1907.

The Notification of this Government, No. 1850, dated the 12th August 1907.

The letter to the Registrar of the Calcutta University, No. 2390T.—G., dated the 21st September 1907.

Circular No. 1T.—G., dated the 17th September 1907.

The letter from the Director of Public Instruction, Bengal, No. 2455, dated the 18th February 1909.

The circumstances which led to the revision of the syllabus of studies for Standards I to VI as prescribed by Resolution No. 1, dated the 1st January 1901, were explained in detail in Resolution No. 1028T.—G., dated the 10th June 1907, and it is unnecessary to recapitulate them here. The revised syllabus for the infant section and Standards I and II of boys' and girls' schools, which constitute the Lower Primary Standard, was published with the Resolution of the 10th June 1907. The Special Committee which was appointed by Government to revise the courses of studies has since drawn up a revised syllabus for Standards III to VI. Standards III and IV constitute the Upper Primary and Standards V and VI the Middle School Standard. The revised syllabus for these Standards together with an explanatory note by Mr. Earle, then Director of Public Instruction, was published with Government Notification No. 1850, dated the 12th August 1907, for general information and criticism. The Calcutta University, various public bodies and individual gentlemen, official and non-official, who are interested in educational matters, were invited to offer their opinion on the proposed syllabus. The original syllabus has now been modified in the light of the suggestions which have been offered. As indicating some of the more important modifications, it may be mentioned that introductions have been written for the syllabuses in Arithmetic and Hygiene; the syllabuses in Hygiene for boys' and girls' schools have been amplified in the light of the suggestions made by the Drainage Commission with regard to the prevention and cure of malaria; the syllabuses in English and Geography have been remodelled and elementary Physical Science has been eliminated from the Science syllabus as being unsuitable for the stages of instruction represented by Standards III to VI. The syllabus in Drawing has been carefully modified after consideration by a specially selected Sub-Committee, and discretionary power has been allowed to the authorities of girls' schools to devote more time to needle-work than was originally allotted. The Lieutenant-Governor approves of the new syllabus as finally revised by the Special Committee.

2. The date of the introduction of the new syllabus has now to be considered. In the Resolution of the 10th June 1907, mentioned in the preamble, it was decided that the last Lower Primary Examination according to the existing syllabus should be held at the end of 1910, and that children beginning their studies in 1910 for the Lower Primary Examination to be held at the end of 1911 should study the revised syllabus. The Lieutenant-Governor accepts the recommendation of the Director of Public Instruction that pupils who pass the Lower Primary and the Upper Primary Examinations at the end of 1910 should study the revised syllabus for Standards III and V respectively during 1911. It is not anticipated that the transition from the old to the new syllabus will be attended by any real difficulties at these stages.

On the other hand, if the new courses are introduced slowly and gradually, as the students who commence the study of the revised syllabus for Standard I in 1910 pass on to the upper stages, the old courses of study which have been condemned as unsatisfactory will not be wholly eliminated before the year 1916. It is unnecessary and undesirable to wait for such a length of time. The Upper Primary and Middle Scholarship Examinations will, therefore, be held for the last time in 1911 according to the existing course. Pupils who begin their studies in 1911 for the examinations to be held in 1912 will study the revised syllabus in 1911; and in the following year, 1912, the new syllabus will be in force in all the Standards.

ORDER—Ordered that the revised syllabus for Standards III to VI together with the revised memorandum be published for general information.

By order of the Lieutenant-Governor of Bengal,

J. G. CUMMING,

*Offg. Secy. to the Govt. of Bengal.*

*Memorandum on the syllabuses proposed by the Special Committee for standards III to VI, and the recommendations made by that Committee as regards the preparation of text-books.*

---

INTRODUCTORY REMARKS.

1. It is unnecessary to state at length on this occasion the defects which exist in respect of the courses of study followed in standards III to VI, or as regards the text-books in use in schools teaching those standards, because the subject has already been discussed in public. In General Department, Education, Resolution No. 658, dated the 7th February 1905, it was stated that the principal points in respect of which rural schools in Bengal were deficient were—

(1) that the courses of instruction were too long, too advanced and diversified; and
(2) that the prescribed text-books were not written in simple language commonly used by the people.

2. The question has been further discussed in General Department, Education, Resolution No. 1028T.—G., dated the 10th June 1907, with which the revised syllabuses for standards I and II and the arrangements made for writing suitable text-books for those standards have been promulgated. In the Resolution just referred to it has been explained that it is unnecessary, and indeed impracticable, to have separate courses of study and text-books for rural and urban schools. The Resolution therefore states that the revised syllabuses and the arrangements made for the preparation of text-books apply to schools in both rural and urban areas.

3. In paragraphs 81, 106 and 115 of my Report on Public Instruction in Bengal for 1905-06 I stated that the scheme of vernacular education, as sanctioned by Government in the year 1901, had resulted in comparatively empty lower classes in Government and aided high schools. I also stated that the effect of the system had been generally to retard the progress of vernacular education in standards III to VI. I observed that parents were anxious enough to send their children to Government and aided high schools, as soon as they were fit for entry into the classes where the medium of instruction was English, because in general the teaching in such schools was better; but that parents not unfrequently had their children educated up to that stage in privately managed schools, which were not subject to the vernacular system of education. I stated that it was hoped that the revision of the courses of study in the vernacular, which was being taken in hand, would result in modifying this anomalous state of affairs. I indicated that the defects in the vernacular courses of study followed in standards III to VI, and in the text-books used in schools teaching according to those standards, were the same as those which had been found in the courses of study followed in lower primary schools and in the text-books used in such schools.

4. As regards the teaching of English in high and middle English schools I observed, in paragraph 82 of my Report on Public Instruction in Bengal for 1905-06, that the lower classes of privately managed schools were preferred to similar classes in Government and aided schools, because more importance is attached to the teaching of English in the former schools. I stated that in Government and aided high schools English was taught as a second language in the four classes below the fourth class, in which class teaching through the medium of English begins. I observed, however, that the transition from the fifth to the fourth class was too abrupt, and that it was long before a student had any idea of what was being taught to him through the medium of English. I stated that the revision of the courses of study in classes below the high school stage was under consideration, and that this question would then be carefully considered. I indicated that possibly some system of oral instruction in English in the lower classes would be suggested.

5. In the ensuing paragraphs I give a brief account of the syllabuses proposed by the Special Committee, and of the suggestions made by that Committee as regards the preparation of text-books, for standards III to VI. The latter subject will, however, be considered separately at greater length hereafter. This memorandum chiefly concerns the syllabuses proposed.

THE ENGLISH SYLLABUS.

6. The Special Committee are chiefly indebted to Mr. W. W. Hornell and the Rev. J. Lamb for this syllabus. English is taught only in high and middle English schools. It is not proposed to make any change in this respect. According to standing orders the teaching of English as a second language is begun in the schools referred to in standard III, and continues till the end of the vernacular course terminating with standard VI. It is not proposed to alter this arrangement, because it is considered that the main course of instruction up to the stage indicated is rightly imparted through the medium of the vernacular. There is, however, good reason for believing that sufficient attention is not paid to the teaching of English in the standards referred to.

7. In the first place, the Special Committee propose that English should be taught for eight hours a week in high and middle English schools for boys, and for seven hours a week in high and middle English schools for girls, instead of as heretofore, for four hours only. Secondly, it is considered that if the teaching of English is to be successful, the modern developments of language teaching cannot be ignored. The Special Committee therefore propose that the teaching of English should in future be based on the principles of what is known as the "Direct Method." In the introduction to the syllabus an attempt has been made to set forth the main principles of this method, and to make a few suggestions for their application.

### The Vernacular Syllabus.

8. The Special Committee are indebted to the Revd. J. F. Hewitt and Babu Ishan Chandra Ghose for this syllabus. The main syllabus will be applicable to all classes of schools, but in middle vernacular and upper primary schools the additional writing syllabus appended to the main syllabus will also be taught. Six hours a week will be assigned to this branch of instruction in high and middle English schools, but in middle vernacular and upper primary schools one and-a-half additional hours will be devoted to the additional writing syllabus.

### The Arithmetic Syllabus.

9. The Special Committee are indebted to the Revd. J. Mitchell and Babu Srikanta Karmakar for this syllabus. The main syllabus will be applicable to all classes of schools but in middle vernacular and upper primary schools the additional *Subhankari* syllabus will also be taught. Four hours a week will be assigned to this branch of instruction in high and middle English schools, but two additional hours will be devoted to the additional *Subhankari* syllabus in middle vernacular and upper primary schools.

### Science Syllabus.

10. The Special Committee received much assistance in regard to this syllabus from Professors Cunningham, Mahalanabis and P. C. Ray. The syllabus contains four* subjects, viz., natural phenomena, plant-life, animal-life and elementary physical science. Three of these subjects only are compulsory. In standard III these are the three first-named; while in standards IV to VI natural phenomena and plant-life are compulsory, a choice being allowed for a third subject between animal-life and elementary physics. The treatment of the first three subjects follows that adopted in respect of these subjects in the syllabus for the lower standards already published. Two hours a week will be devoted to this branch of instruction.

### The Hygiene Syllabus for Boys' Schools, and the Hygiene and Domestic Economy Syllabus for Girls' Schools.

11. The Special Committee are indebted to the Rev. J. F. Hewitt, Professor Mahalanabis, and Rai Chuni Lal Bose Bahadur for the hygiene syllabus for boys' schools, and to Miss Brock for the hygiene and domestic economy syllabus for girls' schools. These subjects will be taken as part of the science course, to which two hours a week will be devoted, as indicated in the last paragraph.

### The History and Geography Syllabuses.

12. The Special Committee are chiefly indebted for these syllabuses to Messrs. J. N. Das Gupta and Arden Wood, respectively. Two hours a week will be devoted to each of these subjects.

### The Drawing Syllabus.

13. The Special Committee are indebted for this syllabus to Miss Brock, Miss Dyson and Miss White. Two hours a week will be devoted to this subject.

### The Geometrical Drawing and Experimental Geometry Syllabus.

14. The Special Committee are indebted to Mr. Küchler for this syllabus. This subject will be taken in schools for boys only, and one hour a week will be devoted to it.

### The Mensuration Syllabus.

15. The Special Committee are indebted to Mr. Küchler for this syllabus. This subject will be taken in middle vernacular and upper primary schools for boys only, and one and-a-half hours a week will be devoted to it in such schools.

* At a subsequent meeting of the Special Committee it was decided that physical science should not form part of the curriculum of schools at this stage. The syllabus will, therefore, contain three subjects, namely, natural phenomena, plant-life and animal-life.

### DRILL.

16. No syllabus is required. One hour a week will be devoted to this subject. This subject will be optional in girls' schools.

### MANUAL WORK.

17. This subject will be taken in middle vernacular and upper primary schools, and it will be optional. No syllabus will be prescribed for it, but work will be done according to any syllabus approved by the Inspector of the Division. If this subject is taken, three hours a week will be devoted to it.

### THE NEEDLE-WORK SYLLABUS.

18. The Special Committee are indebted to Miss Brock, Sister Mary Victoria and Miss Dyson for this syllabus. In high and middle English schools for girls, seven, instead of eight, hours a week will be allotted to English, while geometrical drawing and experimental geometry will not be taken. The two hours thus set free will be assigned to needle-work in such schools. *

### SCHOOL GARDENING.

19. THE instructions given in the "Note on School Gardens," which is appended to the syllabuses for the infant section and standards I and II for both boys' and girls' schools, and of which a copy is given at the end of the syllabuses now submitted, will apply equally in the case of schools teaching standards III to VI.

### LIST OF DISTRIBUTION OF HOURS.

20. I SUBMIT in the form of a statement a list of distribution of hours both for boys' and girls' schools according to the proposed syllabuses.

### PREPARATION OF TEXT-BOOKS.

21. There remains the question of the preparation of text-books for standards III to VI. Subject to further consideration on receipt of information on this subject, which has been sent for from the Bombay Presidency, the Special Committee, as at present advised, recommend that the only text-books which should be prepared at Government expense should be—

(*a*) three books in connexion with science,† viz.—(1) a book for standards III and IV in respect of subjects other than elementary physical science, (2) a similar book for standards V and VI, and (3) a book on elementary physical science for standards III to VI; and

(*b*) a Senior Teacher's Manual.

As regards geography, the Special Committee recommend that the preparation of this book should be left open to competition; it being stipulated however that a translation of the book in English should be submitted for approval.

A. EARLE,

*Director of Public Instruction, Bengal.*

*The 20th June 1907.*

* School authorities may, however, at their discretion devote the time allotted to drill in high and middle English schools for girls to needle-work. Similarly it will be at the discretion of school authorities to appropriate a protion of the time alloted to manual work in middle vernacular and upper primary schools for girls for needle-work on the understanding that drawing must not be included under the heading of manual work.

† At a subsequent meeting of the standards Committee it was decided that physical science should not form part of the curriculum of schools at this stage. Only two books will therefore now be required under (*a*) that is one for standards III and IV dealing with natural phenomena, plant-life and animal-life and a similar one for standards V and VI.

*List of distribution of hours per week for Standards III to VI for boys' and girls' schools, respectively.*

BOYS' SCHOOLS.

| | Subjects. | A<br>High and Middle English Schools.<br>Number of hours per week. | B<br>Middle Vernacular and Upper Primary Schools.<br>Number of hours per week. |
|---|---|---|---|
| 1 | English ... ... ... | 8 | ... |
| 2 | Vernacular instruction ... ... | 6 | 7½ |
| 3 | Arithmetic ... ... ... | 4 | 6 |
| 4 | Science (inclusive of hygiene) ... | 2 | 2 |
| 5 | History ... ... ... | 2 | 2 |
| 6 | Geography ... ... ... | 2 | 2 |
| 7 | Drawing ... ... ... | 2 | 2 |
| 8 | Geometrical drawing and experimental geometry. | 1 | 1 |
| 9 | Mensuration ... ... | ... | 1½ |
| 10 | Drill ... ... ... | 1 | 1 |
| 11 | Manual work ... ... ... | ... | 3 (optional) |
| | Total ... | 28 | 25 + 3 (optional). |

GIRLS' SCHOOLS.

| | Subjects. | A<br>High and Middle English Schools.<br>Number of hours per week. | B<br>Middle Vernacular and Upper Primary Schools.<br>Number of hours per week. |
|---|---|---|---|
| 1 | English ... ... ... | 7 | ... |
| 2 | Vernacular instruction ... ... | 6 | 7½ |
| 3 | Arithmetic ... ... ... | 4 | 6 |
| 4 | Science (inclusive of hygiene and domestic economy). | 2 | 2 |
| 5 | History ... ... ... | 2 | 2 |
| 6 | Geography ... ... ... | 2 | 2 |
| 7 | Drawing ... ... ... | 2 | 2 |
| 8 | Geometrical drawing and experimental geometry. | ... | ... |
| 9 | Mensuration ... ... | ... | ... |
| 10 | Drill ... ... ... | 1 (optional) | 1 (optional). |
| 11 | Manual work ... ... ... | ... | 3 (optional). |
| 12 | Needle-work ... ... ... | 2 | 2½ |
| | Total ... | 27 + 1 (optional) | 24 + 4 (optional). |

# SYLLABUS OF STUDIES

FOR

# STANDARDS III TO VI.

## INTRODUCTION TO THE ENGLISH SYLLABUS.

THE object of teaching a foreign language to children at school—and to the great majority of Indian children in Bengal, English is a foreign language—is to put them in possession of that language. To possess a language, one must be able to understand it when spoken, and speak it so as to be understood, understand it when read, and read it so as to be understood, write it idiomatically and correctly, and, as a crowning accomplishment, translate it into the nearest possible equivalent, which the foreign language affords. Language is based on speech, and a child learns its mother-tongue by actual situations giving rise to actual wants and occasions of conversation.

2. The system which recognises those principles and bases its processes upon them is known as the direct method. This method insists that the foreign language should be acquired without the mediation of the mother-tongue. The pupil goes *direct* to the new language; hence the name. When an English word (*e.g.*, book) is spoken, the pupil connects the new word and the object without any intermediate step. It is with mental pictures, and not with the words of the mother-tongue, that the words of the language to be acquired have to be connected. A foreign language, according to the direct method, ought, in fact, to be learnt as nearly as possible in the same way as that in which a child acquires his own mother-tongue.

3. The adoption of the principles of the direct method means that in the future the guiding principle of the teaching of English to Indian children in Bengal must be the attempt to reproduce the process by which a child acquires its own mother-tongue. The acquisition of the power to *speak* the new language is the first and most important object, and no one can be said to speak a language unless he can pronounce it with the same degree of correctness. It is therefore of the greatest importance that the teacher should pronounce English correctly; he should speak slowly, and not be too easily satisfied with the pronunciation of his boys. During the first few lessons, the blackboard should be dispensed with, for many English words are not pronounced as they are written. Teaching must first be through the ear and the act of speaking. These are natural methods, for in its essence language is heard and spoken, not written and read.

4. So long as the general principles of the method are kept in view, the actual methods by which they are carried into practice may vary. The first practical step which follows from the acceptance of these principles is that an Indian child's first step in English must be within the range of his most familiar experience. The teacher should show familiar objects and name them. The objects must be grouped according to the initial sounds of their names (*e.g.*, p. in pen, paper, pocket). The teacher pronounces the word slowly, and each pupil repeats it after him. He continues the campaign with sentences corresponding to actions on his part. The class sees what he is doing, and repeats the words after him. This soon leads on to question and answer, and before long conversations can be held with the class. In these stages, it is usual in actual practice to use the mother tongue occasionally and as a short expedient for the purpose of making the meaning clear, but this procedure should be adopted to as limited an extent as possible. Repetition of phrases learnt should be habitually practised, and when they have become fixed in the pupils' minds, the teacher should note these phrases on the blackboard taking care to select those which are most familiar. After about the first twenty lessons, a portion of each lesson should be devoted to the learning of letters, say three at a time, from the blackboard. These should be copied by the pupils, and when the alphabet is known, words and sentences can be similarly treated, but special attention should be given to constant practice in individual speaking, and every lesson during the first few months should be, at least partly, a conversational one.

5. At first the lessons are incidental, but these should soon give place to systematic instruction. Individual children should be talked to about familiar things—themselves, their games, their surroundings, etc. Stories told to the class and afterwards re-told *by* the children, and talks to the children about unfamiliar objects and pictures to be afterwards reproduced *by* individual children should follow in due sequence. All through the series children must talk individually, and they should not only be taught to reproduce what the teacher says, they should also be encouraged to add ideas of their own. The greatest care should be taken to avoid any lesson degenerating into a mechanical process of question and answer. After a time this oral composition can be partly replaced by written composition.

6. During the latter half of the first year, reading should be started, the sentences read being equal in difficulty to those which are being used in the conversational lessons. Dictation, which chiefly aims at testing what has been learnt, readily follows a reading lesson. It should be especially noted that all the subjects in the English syllabus are related to each other, and that all are connected with, or follow directly from, the conversational lessons.

7. As regards grammar, the principle on which the reformed method insists is that it should be taught through the actual use of forms learnt. Applying this principle to the method on the lines proposed, it will be easily apparent that it is not difficult to arrange the teaching in such a way that, while the pupil thinks that he is merely performing or seeing performed a series of actions, he will in reality be learning the chief forms of a verb. The pupil will thus from the first be learning his grammar by means of actions and objects. As soon as a number of similar forms have been understood, he may be made to classify them, and thus to obtain the main rules of conjugation and concord. These will henceforth be used as tests of grammatical accuracy to be applied to the English expressions of which a knowledge is gained through the senses. Classification under the direct method is the reproduction of the foreign expressions associated with *sense experience*, and this, of course, is done without the intervention of the mother-tongue.

8. It cannot be too strongly emphasised that, while the direct method recognises that grammar must be studied as something which will control and supplement expression, and not as something which can be considered apart from language, it does not ignore its importance, or even leave it to soak in of itself, as it does largely in the case of the mother-tongue. On the contrary, grammar teaching and grammar drill are really integral parts of the system. Even in the earliest stages of the method, the exercises should be so framed that the pupil may be gradually led to see that some system regulates and unites the words which he uses from day to day, and in this way the ground is prepared for a more formal study of grammar. It is easier to awaken a child's interest in sense than in grammar. It is easier to teach him correct expression by teaching him *grammar* through sense, than by teaching grammar first by itself (or rather through nonsense sentences) and then making him apply the rules learnt to *sense*.

9. We have in fact two pitfalls to avoid. On the one hand, the neglect of *grammar teaching* and *grammar drill* under the new system, and on the other hand, the continuance of the merely formal teaching of grammar which now prevails. The new ideal bids us teach grammar, as far as possible, in a *concrete* and living form. This is not merely for the purpose of "inducing" the laws of accidence and syntax, but above all - and this is the novelty—for the purpose of teaching before such induction the particular forms in detail and not for the purpose of drill after induction. It is evident that the habit of *direct association* must tend to make the application of the above laws instinctive from the beginning, for the *direct association* may enable the child to dispense with much of the analysis, which, according to the old method, was thought necessary before he could construct correct expression. It makes all the difference whether a child, when he wants to say "we are going" says "we," and spontaneously by direct association adds "are;" or whether he reasons as follows:—"We," personal pronoun, first person plural, therefore the verb must be in the plural form. It is not at all the same thing whether, when a child is told to put a story into the past as told by one of the actors in it, he calls up a mental picture of the whole thing as done by himself this day last week or a year ago, and then evokes a series of "I did," "I went," "I said" in answer to successive questions "what did I do then," or whether he reasons either in the mother-tongue or in English, "these verbs must be put into the past tense, because it is spoken narrative." In fact, the direct method introduces what amounts to a re-classification of the grammatical facts of language based on frequency of use, and even the inductions from these classifications should be presented at first, whenever possible, in *concrete* form.

10. The conclusions which seem to follow from these premises are:—(1) That in the elementary stage, the teacher must use as his instrument for teaching and driving home the main facts of grammar that which makes the deepest impression on the sense memory, viz., the process of describing actual objects or pictures of objects, and that of expressing actions actually performed, seen, foreseen, or remembered; (2) that later on, when the habit of calling up mental pictures has taken the place of the actual *sense experience*, and object-lessons and action series have given place to graduated short stories as the centre of study, these will be the vehicles for inculcating further essential points of grammar. These will thus, until they become part of the pupil's common, or so to speak automatic, stock of grammatical knowledge, be associated by a definite context, itself secured by *direct association*. Exercises for the practice of special grammatical points are indispensable, but they must be based on familiar material, so as never to lose the support of *direct association* and the element of reality. They must, moreover, be presented in the most concrete form possible. As an example of how this principle may be carried out in practice, it is suggested that to exercise a pupil in the rules of concord, he might be told to re-write a story with which he is well acquainted, as if there were two actors instead of one, or, as if the hero was a woman instead of a man, or, as if the hero was telling the story himself. The point to be emphasised with reference to such an exercise is that it presents itself to the pupil, not as a mere formal exercise in grammar, *but as modification of the mind picture* which the text calls up, a modification which demands another linguistic form. As such it has the invaluable advantage of combining the exercise of common sense with the application of

grammatical tests. In such an exercise the pupil begins to feel a new power, for he is in some small measure creating.

11. The English readers which the reformed method requires present a problem of no small difficulty. In Germany where the direct method is followed most consistently, especially in connexion with the teaching of English, the great majority of the English readers in use aim at being distinctively English in every way. Their object is to bring before the minds of the children the actualities of English life. According to these text-books the English lesson is not only to be conducted in English, but it is to be about England or something distinctly English. The very surroundings of the class-rooms are to be as English as possible, and great importance is attached to having the walls decorated with maps and pictures of England and things English. In India, however, the case is different. The majority of pupils will spend their lives in their own country, and when they learn English they are only conversant with Indian scenes. In these circumstances, the English readers must have an Indian setting, for the supreme test, as to whether a reader conforms to the spirit of the direct method or not, is the extent to which the matter which it contains is such that it can enter into the experience of the children, that they can *visualise* it. In the earliest stages of language study it is the *sense experience* which calls up the foreign expression connected with it. When it is necessary to transcend the limits of *sense experience*, the same principle holds good, only *visualisation* takes the place of actual *sense experience*. The acquisition of the foreign language is still the translation of experience into that language.

12. It remains to define the function of translation in the new system. Here again the root principle of the direct method must be applied, viz., that *direct association* is the all-important aim. The result of this application is clear. No translation exercise should be allowed which is not a "translation of experience." Translation should only be attempted of such English passages as the pupil understands in that language, and such tests are really exercises in the style of the mother-tongue. As such they should be made use of from an early stage, but not too frequently.

13. What has been said above applies to translation from English into the mother-tongue; but as regards translation from the mother-tongue into English, the same principle holds good, and the practical conclusion which follows from the application of the principle is that translation of this kind must not be attempted until the pupil has such a command of English that he would be able to produce the English version as a piece of original composition in that language. The process should be—(*a*) free composition, (*b*) re-translation, and (*c*) translation from the mother-tongue into English. Even re-translation should not be attempted too early. The habit of *direct association*, *i.e.*, of thinking in English, must be firmly established in Indian children, or the presence of the words in the mother-tongue will interfere with the association.

## THE ENGLISH SYLLABUS.

### STANDARD III.

*Conversational Lessons.*—Every English lesson for the first half-year, and four lessons each week for the remaining part of the year, should be mainly conversational. The teacher should show familiar objects, and name them. Very easy conversations about familiar objects should be held.

Particular attention must be paid to pronunciation. When oral sentences are attempted, a portion of each lesson (*e.g.*, the last ten minutes) should be set aside for writing English letters. In the first place written and printed small letters, and then written and printed capital letters, should be shown on the blackboard and copied by the pupils. Three letters might be taught at each lesson. As soon as the letters are known, words and sentences can be practised. Transcription is essential, and the words used in the conversational lessons should occasionally be dictated to the pupils, they being required to take them down.

*Grammar.*—No set lessons should be given in this standard. The province of grammar is to control and supplement expression. As such the teaching of grammar finds a place in the earliest conversational lessons, but that teaching must be incidental, and no definitions should be given. The earliest instruction should be arranged in such a way as to prepare for more formal teaching in the future. Some definite instruction however should be given at each lesson. The ground to be covered may be indicated as follows:—names connected with objects; ways of naming one thing and more than one thing; this and that, these and those, here and there, etc.; words of command; words showing action; present time, past time, future time; words which take the place of names; words describing objects; words which show relations of time, place and manner; connecting words; words of negation; questions and answers; numbers, 1—20.

*Composition.*—The greater part of the composition in this standard should be oral. In the latter part of the year, however, some written work should be done. The written work should follow naturally from the oral lessons. Sets of sentences which have been given orally should be written on a blackboard and copied by the pupils. At a later stage, the pupils should write three or four sentences at a time in their own words.

*Reading.*—A reader should be introduced during the second half of the year. The pupils will by then have done a certain amount of reading from the blackboard; and if the sentences

from the reader are about equal in point of difficulty to those used in the conversational lessons, the transition should be easy. Special attention should be paid to pronunciation. Care should be taken to see that the pupils read intelligently and with deliberation. The reading should be clear and natural and not too loud. Constant questions on the subject-matter should be asked. The reader should contain 32 pages (exclusive of illustrations), of which 28 should be prose and 4 poetry.

STANDARD IV.

*Conversational Lessons, Composition, Grammar and Writing.*—At least five lessons each week should be given in connexion with these branches of the subject. New words should frequently be introduced, and the style of the conversational lessons should be varied, to include talks on familiar objects, the topics of the reading lessons, stories told by the teacher and re told by the class, etc. The form of many of these lessons will be decided by the grammar to be taught. This should include: the simple sentence; analysis of sentences into subject and predicate; forms of sentences; the noun, the verb, the adjective, the pronoun, the adverb and the preposition, and their uses in simple sentences; the joining together of simple sentences. Transcription and dictation should be continued on the same lines as formerly.

The written composition of this class should be very similar to, but more advanced than, that taught in Standard III. The use of capital letters, commas and fullstops should also be shown.

*Reading and Recitation.*—This should be practised at least twice a week throughout the year. It is desirable that each pupil should read individually once during the course of each lesson. The same methods should be used as in Standard III, but particular attention should now be paid to tone, manner, emphasis, accent and expression. The reader should contain 64 pages exclusive of illustrations (56 pages of prose and 8 pages of poetry); 40 lines of poetry should be learnt by heart.

*Translation.*—As an occasional exercise, the pupils should, under the guidance of the teacher, translate from English into the mother-tongue easy conversations, compositions, accounts of the topics of the reading lessons, etc. The pupils should not be asked to translate any passage, of which they have not thoroughly grasped the purport.

STANDARD V.

*Conversational Lessons, Composition, Grammar and Writing.*—Five lessons each week should be given in connexion with these branches of the subject. The teacher should now do less of the talking himself, and make the children do more. Sufficient subject-matter should be available from within the range of the pupils' experience, *e.g.*, scenes which they have seen, descriptions of persons whom they know or of whom they have read, topics from their reading lessons, etc. It should be definitely recognised that the pupils' vocabulary should during this year be extended to include words expressing simple general qualities. It should at the same time be emphasised that these qualities should not be dealt with apart from the objects to which they can be referred, *e.g.*, the quality of joy should not be treated apart from the person who feels it. The grammar which it is required to teach will, to a large extent, guide the course of the conversational lessons. Dictation and transcription from the blackboard should be continued.

Original composition, which might, for example, take the form of making the class write six sentences on the subject of an oral lesson, should be continued. These compositions should be illustrative of the grammar lessons. Graduated stories should also be read aloud by the teacher, and by means of questions he should guide the boys to reproduce the substance of them. Subsequently, with the help of blackboard outlines, similar stories should be composed by the pupils.

Grammar should be continued in close connexion with the conversational lessons. The course should include: subject and predicate; number; person; gender; the agreement of subject and predicate; the object; tenses; voices; the moods of verbs; participles; the auxiliary verb; comparatives and superlatives; apposition; the interjection.

*Reading and Recitation.*—Three lessons a week should be given. The reader should contain 128 pages, exclusive of illustrations (116 pages of prose and 12 pages of poetry); 80 lines of poetry should be committed to memory. The questions asked on the subject-matter of the reading lessons should at this stage be of a more general nature; they should now aim at eliciting answers in the form of connected and continuous narrative.

*Translation.*—The practice of making the pupils translate into the mother-tongue English passages, the purport of which has been thoroughly grasped, should be continued. Translation from the mother-tongue into English should now be begun.

STANDARD VI.

*Conversational Lessons, Composition, Grammar and Writing.*—Four lessons each week should be given in connexion with these branches of the subject. More difficult sentences should now be used in the course of the conversational lessons, and they should be directly connected with the grammar teaching. The work should be based on the reader, on current events, on topics taken from the lessons on history and geography, etc. Dictation and transcription should be continued.

As regards composition, the work of the previous standard should be continued. Short composition exercises should now be given on subjects within the range of the pupils'

experience. As a guide to these exercises, headings and outlines should be written on the blackboard. The elements of style should also be taught.

The former grammar courses should be revised, and the following added:—The use of relative pronouns; subordinate clauses (adjectival, adverbial, noun); compound and complex sentences.

*Reading and Recitation.*—Three lessons should be given each week. The reader should contain 176 pages, exclusive of illustrations (160 pages of prose and 16 pages of poetry). The reading of the class should, however, not be confined to the reader. There should always be a school library, and the teacher should select English books from it for use on this class. The pupils should be encouraged to read good English books, and some idea of what literature means may be inculcated. One hundred and twenty lines of poetry should be committed to memory.

*Translation.*—Translation of simple sentences from English into the mother-tongue, and from the mother-tongue into English, should be regularly practised in this class.

## INTRODUCTION TO THE VERNACULAR SYLLABUS.

THERE is a general complaint that the text-books in the vernacular at present prescribed for Standards III to VI are a little too difficult, especially for boys reading in High Schools. It cannot be said that the present books are more difficult than those read for the Upper Primary and Middle Scholarship examinations before the introduction of the new scheme of vernacular education. But in those days children in High Schools, who are generally of a lower age than those in the corresponding stages of Middle and Primary Schools, were not compelled to read the same text-books that were appointed for the latter. So far as secondary schools are concerned, Standard VI has long marked the end of vernacular education in this country; but under the new University Regulations, a considerable knowledge of the candidate's own vernacular will ere long be required for the Matriculation examination. Standard VI, therefore, instead of being the finishing stroke of a student's knowledge of the vernacular, will now rank only as a stage in his onward progress, four years behind the matriculation goal. The time has come, therefore, when a somewhat less ambitious but more popular and efficient syllabus may be advantageously laid down for the lower forms, relegating the study of higher literature to the last four years of the High School curriculum.

2. *Literature: how to be taught.*—It is beyond the scope of the present note to deal exhaustively with this important subject, its proper place being in a treatise on the Art of Teaching. But a few hints for the consideration of teachers will not, it is hoped, be altogether out of place. The plan generally followed in this country is to make the class read the daily lesson, one by one, and ask the boys to give the meaning of words, which they do by means of synonyms often much more difficult than the original words themselves. The explanation of passages is equally unsatisfactory, the teachers and boys alike following the practice of simply substituting one word for another—a practice which has been hallowed by centuries of use in the elucidation of Sanskrit text. It has become the more inveterate owing to the extensive use of a host of very pernicious keys, the writers of which do not blush to offer *solila* in explanation of *jala* (water) and *briksha* or *taru* in explanation of *gachh* (a tree).

The first steps towards reform, therefore, must be in the matter of explanation. It is not enough that the boy knows the synonyms for a word; he must know the thing itself, what it actually denotes and connotes. He may use ten words, if necessary, in explaining the meaning of a single word. In respect of sentences, too, no word-for-word substitution should be allowed, the chances being that both the teacher and pupil will use in such explanation words more unsuitable than those used by the author. Another method which may lead to the same end, and which is recommended for adoption, is to require the pupils to read a passage silently for a time and then to give its purport one by one.

Reading aloud also should be strictly attended to. It is often found in Indian schools that the boys, those of the upper forms not excepted, read very badly in a sort of whining sing-song tone without the least regard for stops and emphasis. The articulation should be clear and distinct and the tone natural, so that from the very manner of reading the meaning of the passage may be at once apparent. Recitation of good poems at least twice a week should be a regular part of school work.

3. *Composition.*—The reproduction of stories read out by the teacher from the text and other books should be continued up to Standard IV. In the oral work each boy should be required to reproduce the entire story, his fellow students being encouraged to challenge him whenever he deviates from the proper sequence of incidents or makes mistakes in grammar, idiom or pronunciation. The written work may be either in the shape of a home task, or, what is decidedly better, a blackboard exercise, one boy being required to begin the story, another adding the next sentence, and so on till the whole is done, the work of correction going on simultaneously as in oral composition. Experience has shown that this system possesses an advantage over others, so far as children are concerned, as it calls forth a keen spirit of healthy rivalry, enables the teachers to detect mistakes at once and to point them out to the whole class and leaves little room for prompting or help from outside.

In Standards V and VI oral composition may be discontinued, and subjects, in dealing with which greater intelligence is needed, may be cautiously introduced. Natural phenomena, objects and animals described in the text-books or about which the boys may easily

collect materials from ordinary books of reference, historical events and such simple abstract ideas as truth, honesty, kindness, kindness to animals, etc., may be selected as topics for composition. "The boys must be taught first to think carefully of the subject so as to see what are the questions and considerations to which it most naturally gives rise, and to be able to arrange what they have to say according to some definite plan. They should then write down the main heads so that, as various ideas about it occur to the mind, they may be arranged, each under its own head. An outline thus drawn up will be a necessary preliminary to insure a logical and connected treatment of a subject, and to avoid needless repetitions or confused mingling of different views. The main division of the subject and the general facts appropriate to each having thus been written down, illustrations should next be collected. These may be noted down in brief to be enlarged and made complete when they are reached in the course of writing out the essay." For essays to be written at home, the boys should be directed to begin by filling in the outline, so that the subject may be dealt with more exhaustively than is possible at school where perhaps only half-an-hour or an hour at the most will be allowed for the purpose. At first, of course, the teacher himself will help the boys in drawing up the outline. Care should be taken that a separate paragraph is devoted to each head of the outline. Perspicuity and correct expression are the main points to be gained.

4. *General*—Finally, it is necessary to point out that no boy can be expected to master the literature of his country, if he does not feel an interest in reading the books written by the best writers. The prescribed text-book, however carefully compiled, is but a small fragment of a great edifice, the whole of which the learner must be encouraged to look at and appreciate. The teacher, therefore, who rests satisfied with explaining the text-book only has but a very poor idea of his duty. He must create in his pupils a strong desire to read good books outside the school curriculum. He must have his library well stocked with such books and see them freely borrowed and perused by the boys, each according to his own capacity. The quantity of good juvenile literature is daily increasing, and with departmental help, may be further improved. A boy in Standard III will find the Kirthibasi Ramayan and Kasidasi Mahabharat at once interesting and instructive. Selected tales from the Arabian Nights, Æsop's Fables, the Hitopodesa and similar works will, it is certain, be appreciated by the pupils, if only they are brought to their notice and made accessible.

## VERNACULAR SYLLABUS.

### A.—STANDARDS III AND IV.

#### I.—The Reader.

1. The prose and verse reader will contain about 160 pages (double crown, 16 mo., in pica) and will be divided into two parts, thus:—the first part for Standard III with 65 pages of prose and 15 pages of poetry; the second part for Standard IV with 65 pages of prose and 15 pages of poetry.

2. The prose portion in each case to consist of—(i) character sketches from Indian History illustrative of such virtues as honesty, fidelity, and so on; (ii) short lives of famous men—chiefly Hindus, Muhammadans and Christians; (iii) moral tales; (iv) word pictures of historical and natural scenes or phenomena, such as some great famine, battle, cyclone, earthquake, a waterfall or a mountain scene; (v) natural history sketches relating to Indian fauna. Subjects (iv) and (v) will be given in Part II of the reader.

3. The poems should be such as are likely to appeal to the children's feelings, and impress upon them in the most striking manner the beauty of truth, honesty, self-sacrifice, devotion and other moral virtues. Those of a purely didactic nature would be the best suited to the purpose; but a good translation of Sanskrit and Persian verses which generally inculcate such virtues by metaphors or similes might be made use of to some extent.

4. The matter may be either original composition or extracts from standard writers. The latter course is especially recommended in the case of poetry.

5. The style throughout should be simple, chaste and terse, free alike from archaism and provincialism. It is not the difficulty of a word or words that makes a passage hard to understand, but the vague and abstract nature of the ideas. But all manner of bombast should be avoided, and not a word or sentence used which is not necessary. Paragraphing must be on a strictly logical basis.

6. Suggestive questions arising out of the subject-matter and grammar of the text, and on word-building, should be appended to each lesson. These need not be exhaustive, the object being merely to help the teacher in framing other similar questions himself.

#### II.—Grammar.

7. No text-book in grammar need be prescribed for Standard III, in which the aim should be to teach it inductively. The pupils should be taught the parts of speech—nouns, pronouns, adjectives and verbs. The teacher should begin with skeleton sentences showing the two essential parts, the subject and the predicate, and lead the pupils on to the noun and the verb. Later on the classification of nouns, adjectives and verbs, their inflection, and the elementary principles of forming compounds and of the combination

of words, should be explained, and attention paid to the formation of different words from the same stem.

8. An elementary text-book in grammar of about 32 pages should be prepared for Standard IV, dealing with the subject inductively as before. It should begin with the structure of a sentence, and show how sentences are enlarged. It should then deal with grammar proper under the following heads:—

(a) Nouns.—Gender, Number, Case.
(b) Pronouns.
(c) Adjectives.—Comparison, adverbs, inflections for gender.
(d) Verbs.—Their classification, tense. Causative verbs.
(e) The Indeclinables. Combinations of sounds (Sandhi). Only the chief rules with familiar illustrations.
(f) The formation of compounds (Samasa); the elementary rules with familiar illustrations. The compounds to be explained on a logical plan.

9. At the Scholarship examination about one-fourth of the questions should be set from some simple unseen book or books. The passages set should be free from obscure allusions.

## B.—STANDARDS V AND VI.

### I.—The Reader.

10. The prose and verse reader will contain about 200 pages (double crown, 16 mo., in pica) and will be divided into two parts, thus:—the first part for Standard V with 75 pages of prose and 25 pages of poetry; the second part for Standard VI with 75 pages of prose and 25 pages of poetry.

11. The reader should be compiled much on the same lines as those recommended for Standards III and IV, but the range of subjects should be more varied.

### II.—Grammar.

12. A text-book of about 60 or 70 pages, dealing with the subject more elaborately and including *krit* and *tadhhit*, will be prepared. The requirements of the vernacular should be steadily kept in view.

13. As in Standards III and IV, candidates for scholarships should be asked to explain unseen passages which may contain allusions such as they are expected to know from the prescribed text-books.

### GENERAL REMARK REGARDING WRITING.

Ordinary hand-writing will be taught in all the standards (III to VI).

### ADDITIONAL WRITING SYLLABUS FOR MIDDLE VERNACULAR AND UPPER PRIMARY SCHOOLS.

In middle vernacular and upper primary schools the following additional writing syllabus will be taught:—

*Standard III.*

Writing letters and applications to different persons in appropriate terms of address; páttás and kabuliyats.

*Standard IV.*

Writing of chittás, khasrás and khatiáns, simple bonds; jamákharach, postal forms.

*Standard V.*

Jamábandi, rokar, chálán, mahájani khasrá, rokar jamákharach, khatián hisáb-báki; rent receipts and other receipts.

*Standard VI.*

Zamindari shehá, thoká, different kinds of bonds and kabálás or deeds of sale, mortgage deeds, zamindári jamákharach, hundis.

---

## INTRODUCTION TO THE ARITHMETIC SYLLABUS.

It is to be feared that the subject of Arithmetic, as a means of developing a child's reasoning power and making him mentally quick and alert, has been to a considerable extent lost sight of in the past, whereas in the hands of an intelligent teacher this subject ought to be one of the most powerful means in developing brain power in the young student. Hitherto arithmetic has largely consisted in learning mechanically abstract rules and in working out hosts of examples in accordance with those rules, and the only merit claimed for it has been that a child has acquired a certain skill in such mechanical exercises, and nothing more. As for the principles underlying the rules, these have been consistently neglected with the consequence that very few children to-day have the power to work out

any but the very simplest problems. This is a regrettable fact. Let it be remembered that in after-life, the cases where a knowledge of Arithmetic is required are practically all problems.

Let the teacher therefore, in every lesson, remember that his object should be to teach the children how to think and reason. In view of this, let principles be explained, and as far as possible let the explanations come from the children themselves. As a help to this end, always begin with concrete examples, work from the concrete to the abstract, from the known to the unknown.

As soon as a principle is thoroughly grasped, begin with problems, at first mental, and then written. Let such problems in the early stage be simple, and then nicely graduated according to the capacities of the children, and specially take care that they have a reference to conditions of every-day life, thereby awakening an intelligent interest in the mind of the young student. Afterwards a number of examples should be worked to give the children accuracy and facility in manipulating the figures required by the rule. But let the teacher not forget that the main practical object of Arithmetic should be to enable the children to work out problems, and so let it be his chief aim to show his pupils how to tackle a problem intelligently, how to distinguish between necessary and superfluous data, and then how to write down the process, step by step, with care and accuracy. A child should have it impressed upon him that an examiner invariably assigns less credit to results than to the processes by which they are reached. Hence the importance of insisting from the beginning that the pupil should write down all the steps in the processes involved in any problem with the greatest neatness and accuracy. Too much stress cannot be laid upon this point.

Thus it will be seen from the principle laid down above that the old process called "The Rule of Three," which teaches a child merely how to arrive at a certain result without a thorough knowledge of the method by which it is obtained, is altogether unsatisfactory; nay, it is sometimes quite misleading, especially where problems based upon "Inverse Proportion" are concerned. In future the "Unitary method" should be adopted right through the school, for it is sound and safe and easily grasped by the least intelligent of the children.

In High schools, where English in the higher classes of the school is the medium of instruction, the question how soon English can be used by the children in working out problems or by the teacher in explaining principles and in the questions and problems to be worked, is an important one, but it must be decided largely by the teacher himself. One thing must not be forgotten: it is in the lower part of the school where the foundations of arithmetic are laid, and nothing must be done to imperil the firm and solid laying of those foundations. To use English at too early a stage will be a fatal mistake, as it will lead to slovenliness on the part of the children and will hamper them at every step. Still there is no reason why English figures should not be used from the lowest class, and thus the way will be paved for the adoption of English at a later stage.

## ARITHMETIC SYLLABUS.

### *Standard III.*

Revision of four simple rules (with English figures).

Teaching of four compound rules (with English figures).

Simple problems involving the application of the above rules (including simple reductions based upon the ordinary current measures, weights and coinage).

### *Standard IV.*

Revision of the four compound rules (with English figures) involving more difficult problems.

G. C. M.; L. C. M.

Simple fractions (first four rules), and simple problems involving their application.

### *Standard V.*

Easy complex fractions of the type $\frac{5\frac{1}{3} \text{ of } 2 \times \frac{1}{7}}{7\frac{1}{7} - 3\frac{1}{2}}$

Simple reduction of fractions.

Elementary ideas of terminating decimals.

Addition and subtraction of terminating decimals.

Simple practice; simple bills.

Simple problems involving "Unitary Method," corresponding to *direct* questions in "Rule of Three."

### *Standard VI.*

Fractions (completed).

Terminating decimals (completed).

Problems involving "Unitary Method," corresponding to *inverse* questions in "Rule of Three."

Practice (completed).

Square roots of integers and terminating decimals.

*Note 1.*—Mental arithmetic should be taught in each of the above classes.

*Note 2.*—In working out sums, great attention should be paid to neatness and the accuracy of working, and all the various steps in the processes involved should be correctly written. In awarding marks for sums, the above points should be taken into consideration.

ADDITIONAL ARITHMETIC SYLLABUS FOR MIDDLE VERNACULAR AND UPPER PRIMARY SCHOOLS.

In middle vernacular and upper primary schools the following additional arithmetic syllabus will be taught :—

*Standard III.*

Tables of apothecaries' and jewellers' weights and of time, length and area; reduction; the four compound rules according to the country method, and simple problems arising from them.

*Standard IV.*

Harder problems involving the first four compound rules; *karikasá, mankasá, serkasá, masmáhiná, batsarmáhiná.*

*Standard V.*

Revision of the work of Standard IV, *sonákasa, sudkasá, bátákasá.*

*Standard VI.*

*Bighákáli, káthákáli, kátkáli, footkáli, jamábandi, nitankali,* and problems in the unitary method.

---

## SCIENCE SYLLABUS.

### STANDARD III.

*Natural phenomena.*—Continually greater stress should be laid on the keeping of a calendar in which all observed natural phenomena should be recorded. Now that the children are supposed to have learned to write, they may be asked to bring written record of their individual observations. All such observations should be recorded, and possibly the name of the individual observer, in order to endow the calendar with particular interest. No effort should be spared to give it a permanent character, and it should be shown to, and initialled by, inspecting officers. Special attention should be given to meteorological conditions, and a school observatory might gradually be begun. The points of the compass must be discovered by observation of the sun. Each succeeding class must do this for itself independently, by erecting a vertical stick on a carefully-flattened and smoothed portion of the school compound, and marking the shadow of its end at different times of the day. Having thus discovered the south, the other points of the compass should be marked on the ground and named. Then the position of the sun at rising and setting must be marked down every day, or noted particularly once a week, so that its gradual seasonal change may be noted. The varying height of the sun at noon should also be observed and noted. Thus a sun-dial is constructed and its uses explained. When the apparent motions of the sun are thoroughly known, they may be contrasted with those of the moon whose regular study is however rendered difficult by its irregular hours, and it should perhaps only be attempted by school-masters who can arouse such enthusiasm that the children will volunteer to take turns at evening and early morning observations, and then relate the results to their class-fellows; these results should always be recorded in the calendar. The direction and force of the wind should be noted with the help of a streamer attached to a tall stick, and a locally-made rain-gauge kept, and the collected rain measured in the presence of the whole class. All these measurements—especially those connected with observations of the sun—will serve as practical illustrations of elementary geometrical drawing and measurement. Measurements of the length of straight and curved lines—*every child* being provided with a foot-ruler marked with scales of inches divided along one edge into 10ths and along the other into 16ths. Measurements of areas and volumes *by every member of the class.*

*Plant Life.*—The idea that plants are living objects should be impressed on the minds of the children.

Plants take food, they drink water, and they breathe air. They die when the supply of any of these is cut off. Sunlight is also essential to the life of plants. Green plants when deprived of light become pale and sickly, and eventually die.

Plants grow in size: some slowly, others very rapidly. Some attain enormous size; some are tall, while some are spreading; some creeping, while others are climbing.

Some plants live only for a season; some for two years, and others live for several years.

*Animal life.*—Difference between a vertebrate and an invertebrate animal, as illustrated by comparing the wings, legs and body of a bird with those of a butterfly. Animals without a backbone, as a snail, a bee, a milliped and a leech, compared with a fish.

Mode of life of ants and bees.

STANDARD IV.

*Natural phenomena.*—In Standard IV the class calendar should be maintained with increasing richness of detail. The observations of Standard III may be repeated with greater accuracy.

At the beginning of the rains a few cart-loads of earth (or sand where available) mixed with a few stones or bits of broken pots should be heaped up in a corner of the school compound and surrounded by a fence for protection. The gradual weathering of this heap of earth into landforms, mountains and valleys should be observed and noted, the actual work of denudation being specially watched during heavy rain, etc. The binding action of grass and other quick-growing plants in holding together portions of the clay should be noticed. Locally suitable variations and additions to this model landscape will occur to the individual teacher, and should be encouraged as circumstances require by individual inspecting officers. The action of rain and sun on roads, etc., should also be observed.

*Plant life—stems.*—Observe the different characters of the stem in *trees*, *shrubs* and *herbs*. Note how *buds* arise in the axils of leaves.

*Leaves.*—Study colour, form and general characters of foliage-leaves.

Make a collection of leaves of familiar plants and examine their varied forms, etc.; some are scented, some have a strong taste, some are smooth, others hairy. Some leaves are sensitive to touch, some close at night.

*Flowers.*—Study the colour, form and different parts of typical flowers. Sepals are usually green and form the protective part, while petals are usually of bright colours and form the most attractive part of flowers. Count the number of these structures in individual flowers.

*Fruits.*—Out of the flower comes the fruit, containing the seeds. The sepals and petals usually fall off when the fruit is formed. Some fruits are succulent, some hard, others box-like and let out seeds by opening. Seeds give rise to new plants.

*Animal life.*—External appearance and mode of life of tadpoles and frogs.

General characters of reptiles illustrated by simple descriptions of structure and mode of life of the crocodile, the tortoise and the snake.

General characters of birds.

The pigeon—a type of flying bird compared with a running bird, *e.g.*, the ostrich.

STANDARD V.

*Natural phenomena.*—A continuance of the calendar with still further increase of detail to be required from each child as home work, *e.g.*, the clouds, their form, height and motion. Observations of the moon, its motions and phases. A simple model to illustrate the motions of the earth and moon round the sun may be constructed.

*Plant life.*—Life history of a plant:—

Examination of the parts of a seed.
Germination of seeds (*e.g.*, *matar* or *shim*): study the behaviour of the radicle and the plumule.
Function of the cotyledons.
Growth of the seedling.
Examination of the parts of the seedling: root and shoot.
Functions of the root, stem and leaves.
Sources of food of ordinary plants—soil and air.
The mutual help of insects (*e.g.*, ants) and plants.

*Animal life.*—Simple facts regarding general characters of mammals:—

External characters of some familiar examples of the order ungulate (hoofed animals)
The stomach of a goat laid open and examined—the four chambers—the construction of the stomach suited to the habits of the animals which chew the cud.
Dentition of a ruminant and a rodent compared.

STANDARD VI.

*Natural phenomena.*—The same as for Standard V, only in greater accuracy and detail. Some further planets and their satellites may be added to the model of the solar system. Climate and seasons of the year. Explanation of winds. The monsoon. Cyclonic storms.

*Plant life.*—Life history of plants:—

A more detailed study of the forms and functions of the root, stem and leaves.
How plants store up food for future use in (1) the stem, and (2) the root.
Breathing, transpiration and sleep of plants.
Parasites.
Dispersion of seeds through various agencies.
Insectivorous plants.
Mimicry among plants.

*Animal life.*—General characters of the order *carnivora*:—

External appearance and habits of familiar examples.
Arrangement of the teeth in the upper and lower jaws, respectively, of the cat—the prominent canines—a characteristic of the carnivora: the function of the incisor, the canine and the molar teeth explained.
Simple facts about the mode of life of bats.
Characteristics of monkeys and anthropoid apes.

## INTRODUCTION TO THE HYGIENE SYLLABUS.

### ADVICE TO THE TEACHER.

*Hygiene.*

THE teacher must remember that this subject taught merely from a text-book is so uninteresting as to be quite distasteful to many children. The only way to make it both interesting and useful is by pictures, or better still by actual objects and practice. Every lesson on hygiene should be an object lesson. Thus when teaching the duty of personal cleanliness, the teacher himself must be scrupulously clean, and must single out for rebuke any child who is not so. Thus gradually the idea of cleanliness will pervade his school. Or again the teacher cannot conscientiously teach that jungle should be cut down, stagnant pools filled in, and other necessary rules of the kind observed, unless his own house and school are models supporting his precepts. His best way of teaching the use of pure drinking water will be to construct a simple filter and insist on its use in school and its regular cleansing (*vide* sketch No. 2). All such dirty habits as spitting and hawking in school must be promptly stopped. The value of fresh air will be shown by a frequent opening of the windows; the duty of household cleanliness by keeping the school free from dust and cobwebs. The way in which well water is fouled can be shewn by a sketch (*vide* end of note, sketch No. 1). So also in such matters as the prevention of disease, the value of vaccination and inoculation will be best proved to his pupils by the master leading the way. He will carefully warn his pupils against foul water, unripe fruit, etc. He will do this in such a way as to encourage hopefulness, not provoke fear. In short, as far as may be, practice should always precede precept in this science, and the school-house and grounds should be the chief sphere for that practice.

I.

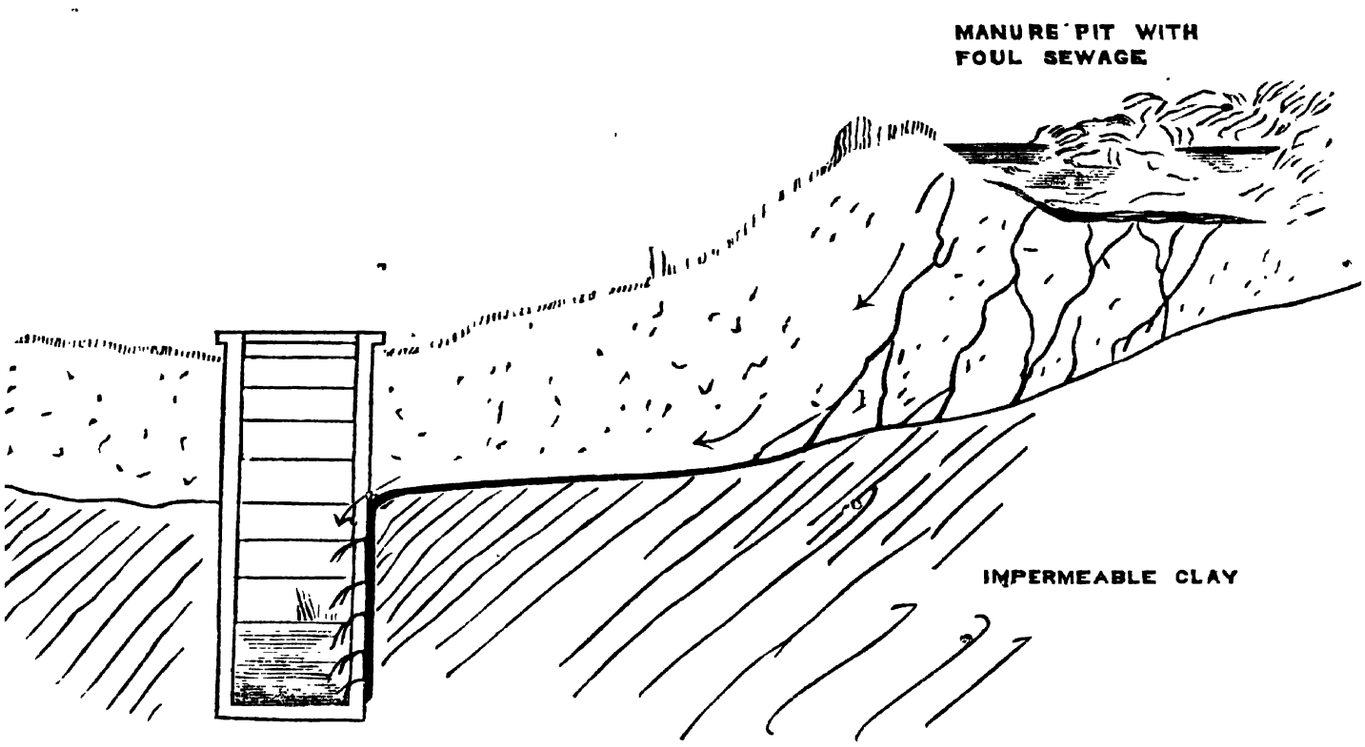
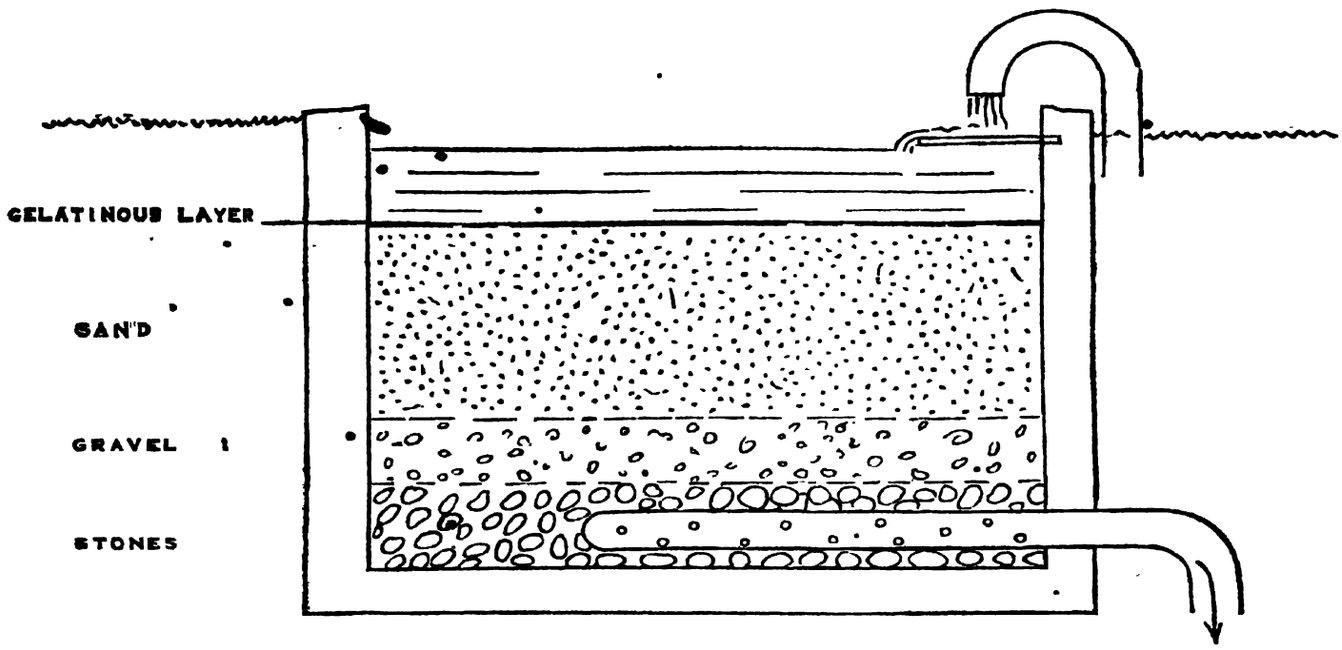



DIAGRAM ILLUSTRATING FOULING OF WELL THROUGH THE JOINTS BY THE SEWAGE FROM A MANURE PIT SOAKING INTO THE GROUND & TRAVELLING ALONG THE TOP OF THE CLAY.

II.




SECTION OF SAND FILTER.

## HYGIENE SYLLABUS FOR BOYS' SCHOOLS.

### STANDARD III.

(*a*) A rapid revision of the course arranged for Standards I and II.

(*b*) *Air.*—Its composition. Sources of impurity. Respiration. Combustion. Danger of foul air. Ventilation of rooms.

(*c*) *Water.*—Natural waters : rain water, wells, tanks and rivers. Sources of impurity. Methods of purifying—filtering ; boiling. Characters of good drinking water. Danger of drinking impure water.

(*d*) Abuse of drugs and intoxicants.

### STANDARD IV.

(*a*) *The dwelling-house.*—The situation of the dwelling-house. Position of the kitchen, privy, stables and cowsheds. Importance of clearing the ground of jungle, and filling in stagnant pools round about the house. Drainage round house. Avoidance of insanitary acts in the vicinity of the house. Disposal of refuse and night-soil. Disposal of the dead.

(*b*) *Exercise*—Need for. Hours of exercise. Effects on tissues of the body. Excessive exercise to be avoided.

(*c*) Abuse of drugs and intoxicants.

### STANDARD V.

(*a*) *Food.*—Need for. Organs of digestion ; enzymes. Different kinds of food-stuffs (proteids, oils and fats and carbohydrates and salts and their respective values). Milk as a typical food. Various articles of food commonly used in India :—cereals and pulses, potatoes and other vegetables ; fruits (unripe and overripe) and spices. Quantity of food. Average diet scale for a native of Bengal. Regularity. Effects of overfeeding. Cooking ; cleanliness of cooking vessels.

(*b*) *Village sanitation.*—Causes of the insanitary condition of a Bengal village and their influence on the prevalence of malaria—(1) jungles ; (2) filthy tanks and too numerous surface collections of water ; (3) too close proximity of cultivated lands to dwelling-houses ; (4) bad drinking water ; (5) inefficient drainage etc. Measures for improved sanitation.

(*c*) A brief account of malaria and cholera ; their causes, treatment and prevention.

(*d*) Abuse of drugs and intoxicants.

STANDARD VI.

(*a*) *First aid to the injured.*—Treatment of a case of drowning. Burns. Bites by rabid animals and poisonous insects. Snake-bites.

(*b*) *Insects and pests.*—Mosquitoes and fleas. Common diseases caused by them. Preventive measures.

(*c*) Brief account of plague, small-pox and phthisis; their causes and prevention. Isolation of patients. Vaccination and inoculation. Transmission of disease. Disinfection.

(*d*) Abuse of drugs and intoxicants.

## HYGIENE AND DOMESTIC ECONOMY SYLLABUS FOR GIRLS' SCHOOLS.

STANDARD III.

*Kitchen.*—The cleaning of utensils, preparation of vegetables and rice for cooking.

*Washing of clothes.*—Ventilation and sunlight. Sunning and airing of bedding, mats, etc.

Abuse of drugs and intoxicants in districts in which the consumption of drugs and intoxicants prevails among women.

STANDARD IV.

*Kitchen.*—Full preparation of rice in all stages from the paddy. ধান

*Water.*—Danger of drinking impure water. Importance of boiling and filtering water.

*Care of infants.*—Bathing: use of mustard oil; cleanliness of clothing; preparation of food; sleep. Proper treatment and handling of infants.

Abuse of drugs and intoxicants in districts in which the consumption of drugs and intoxicants prevails among women.

STANDARD V.

(*a*) *Village sanitation:*—Causes of the insanitary condition of a Bengal village and their influence on the prevalence of malaria—(1) jungles; (2) filthy tanks and too numerous surface collections of water; (3) too close proximity of cultivated lands to dwelling-houses, (4) bad drinking water; (5) inefficient drainage, etc. Measures for improved sanitation.

(*b*) A brief account of malaria; its causes, treatment and prevention.

(*c*) *Sick-nursing.*—The sick-room: necessary furniture, cleanliness, ventilation, bedding, washing of patients Food of patients.

Details of nursing, such as the giving of medicine, use of the thermometer, changing of sheets, the use of disinfectants, etc.

(*d*) Abuse of drugs and intoxicants in districts in which the consumption of drugs and intoxicants prevails among women.

STANDARD VI.

Treatment and symptoms of ordinary ailments, such as coughs, colds, fevers, etc.

Where no medical aid is forthcoming, treatment of cholera, plague, etc.

Treatment of accidents: burns, bruises, scalds, cuts, snake-bites, etc.

Sick-diet.

Abuse of drugs and intoxicants in districts in which the consumption of drugs and intoxicants prevails among women.

*N.B.*—The work throughout these standards should be made as practical as possible. Hardly any value attaches to this subject, unless it is taken in a practical manner. This will only be possible in respect of all branches of the subject in boarding schools, but day schools may nevertheless do much in this way.

---

## INTRODUCTION TO THE HISTORY SYLLABUS.

1. It has been remarked by a recent writer on school teaching in England that "a subject makes its strongest claims to a place in a school course, when it not only increases knowledge and exercises mental faculty, but when it stimulates interest in larger views of life and action and provides the continuance of that interest when the initiative of the teacher is withdrawn." If history deserves a place in our curriculum, it is because it does all this, and history teaching to be of any real value should not merely store the mind with useful information about the past, but stimulate the curiosity and arouse the imaginative faculty of the child and help him in taking an intelligent interest in the larger life around him.

2. In the earlier stages this can be best done by means of story-telling, making the child's mind play round imposing personalities and striking incidents. No text-book, however judiciously written, should or can by itself be enough at this stage. The necessary data, the essential facts and dates must, of course, be gathered from the text-book. But the teacher's voice, his manner, his method of exposition, his ready power of illustration, are all important factors in impressing things on the child's mind. It should never be forgotten that the primary function of the history teacher is to teach, and he should never be satisfied with setting lessons and hearing things recited or reproduced out of a text-book. In this

connection the following passage from "Suggestions for the consideration of teachers," issued by the Board of Education in England in 1905, may suitably be quoted :—

"Important as it is to have a well-written and well-illustrated book to be used for the purpose of revising the oral lessons, and to some extent, as a text-book for preparation, no book, however good, can with children of this age, supply the place of vivid and vigorous personal teaching. It is from a judicious combination of stimulating oral teaching with the study of a book that the most fruitful results are to be obtained, and the book will help to give definiteness to the work which might otherwise become desultory and perfunctory. The reading aloud of a history book by the scholars, with occasional explanations by the teacher, is not a proper method of teaching history to children."

3. As a help to the choice of characters and events round which the teacher's effort should centre, and which should form the subject-matter of the prescribed text-book, the following points, about the importance of which there is a general agreement among practical teachers, may be quoted :—

(*a*) The child's mind is naturally more in sympathy with action than with contemplation or abstruse reflections.

(*b*) The undeveloped faculties of the child respond more readily to the simplicity of the earlier ages and the undeveloped forms of social organisation.

(*c*) The child's mind readily understands that which is familiar, and thus the familiar should be made the basis for teaching that which is remote and unfamiliar.

On these grounds, the text-book prescribed for Standards III and IV should be a History Reader about India, and not merely about the Province of Bengal.

4. In Standards III and IV, towards the end of the course, an attempt may be made to familiarise the child with some of those general abstract conceptions which form the subject-matter of higher history teaching ; and here concrete illustrations may be made the means of instilling ideas about generalised conceptions. For example, the conception of kingship or of an empire may not be easily intelligible to the child, but the idea of a gracious Queen-Empress or of a mighty King-Emperor presiding over vast continents and taking a parental interest in the races committed to her or his charge is sure to appeal to the child's imagination, and will be readily grasped. Similarly, law, order, justice, government and citizenship are all difficult conceptions. But the village watchman, the police *daroga*, the village *punchayet* and the postman are all familiar figures, and may be used as aids to enable the child to realise the abstract conceptions.

5. History teaching, at least in the higher stages, should aim at training the judgment, strengthening the reasoning faculty and at giving us a living idea of our duties and responsibilities as citizens of a world-wide empire. Boys should learn to discriminate between good and evil as illustrated in the lives of the leading historical characters. They should also be taught the causal relation between facts : how misgovernment, for example, ends in general misery ; how kindness breeds confidence ; why a certain course of action fails, while another succeeds ; how one ruler proves a builder of an empire, and how another sows the seeds of disruption. The result aimed at will best be secured by a detailed study of the British period of Indian history, because that period has a living and abiding interest for us all. The History Reader prescribed for Standards V and VI should, therefore, contain a detailed treatment of this period.

6. The following suggestions are made regarding historical apparatus, viz., text-book illustrations, maps, globes and atlases :—

(*a*) The text-book should always be explained and supplemented by the teachers.

(*b*) The text-book should be intelligently illustrated, the illustrations throwing light on ancient customs, the remains of a nation's architecture, etc. In this connection, it may be noted that magic-lantern slides illustrating different epochs of English history are easily available and largely used in school in England. Perhaps, similar slides for the teaching of Indian history may be prepared cheaply and without much difficulty.

(*c*) Maps and atlases should be constantly used, and, if possible, an attempt should be made to prepare and publish a historical atlas for Indian history on the lines of Gardiner's Historical Atlas. It may be mentioned that Gardiner's atlas already contains a few plates illustrative of Indian history.

---

## HISTORY SYLLABUS.

### STANDARDS III AND IV.

India—Its position on the map of the world and the general features of the country, especially of Bengal and Eastern Bengal.

The Non-Aryans - The coming of the Aryans and their settlement in India.

The two Epics—The story of the Ramayana and the Mahabharatha.

The story of Budha.

Mahavira and the Jainas.

The colonisation of Ceylon : the story of Bijoy Sinha.

Magadha Empire—Chandra Gupta.

The invasion of Alexander.

Asoka, Vikramaditya, Kalidasa, Harsabardhan.

India on the eve of the Muhammadan conquest ; Bengal—Adisura, Ballal, Laksman Sen.

The Muhammadan conquest of India—Buktiar Khiliji.
Stories of the Pathan Kings.
Kutubuddin, Nasiruddin.
Alauddin, Muhammad Tughluk.
Bengal under the Pathans—Chaitanya, Nanak, Kabir, Ramananda.
The stories of Timur and Babar.
The Mogul Emperors—Babar, Humayun (Sher Shah), Akbar (Todar Mull), Jehangir, Shah Jehan, Aurungzeb.
Sivaji and the Mahrattas.
Bengal under the Moguls—the Bargis.
Europeans in India—Foundation of Calcutta, Bombay, Madras.
Seraj-ud-daula, the Black Hole, Clive, Plassey.
The Dewany—Warren Hastings.
Haidar Ali and Tippu Sultan.
Consolidation of British Power in India.
The Sikhs—Ranjit Sinha and the Sikh War.
The Sepoy Mutiny.
India under the Crown—Queen Victoria, Empress of India.

*N. B.*—The syllabus should be covered by a text-book with about 40 stories.

STANDARDS V AND VI.

Condition of India during the Hindu period.
Condition of India during the Muhammadan period and under the Pathans and the Moguls.
Early intercourse between Europe and India—Discovery of the Cape route—Earliest Europeans in India and their Settlements—The Portuguese, the Dutch, the French and the English—First Charter of the East India Company.
The struggle between the English and the French—Clive, Dupleix, Plassey.
The grant of the Dewany—The dual Government.
Warren Hastings—His revenue and judicial reforms—The Regulating Act.
Extent of British dominion in his time—Rise and progress of the Mahrattas: their contact with British Power.
Pitt's India Bill—The Calcutta Madrasah—The Asiatic Society.
Lord Cornwallis—His administrative reforms—The Permanent Settlement—Sir John Shore.
Lord Wellesley—His wars with Mysore and the Mahrattas—The system of Subsidiary Treaties.
Lord Minto—Relation of British Power with Foreign Powers outside India—Renewal of the Company's Charter.
Lord Hastings—His wars with Nepal and with the Mahrattas.
Lord Amherst—The First Burmese War.
Lord William Bentinck—His reforms—Renewal of the Company's Charter—Sir C. Metcalfe.
Lord Auckland—The First Afghan War.
Lord Ellenborough—The Sind War.
Lord Hardinge—The First Sikh War.
Lord Dalhousie—The Second Sikh War—The annexation Policy—The Second Burmese War.
The Material Progress of the country under Lord Dalhousie—Railways and Telegraphs.
Lord Canning—The Sepoy Mutiny.
Assumption of direct Government by the Crown—The Queen's Proclamation.
India under the Viceroys—Benefits of British Rule.

---

## INTRODUCTION OF THE GEOGRAPHY SYLLABUS.

1. Before dealing with the geography syllabus for Standards III to VI, in which, on an average, the pupils range in age from ten to thirteen years, it is necessary that we should realise what the geographical equipment of the pupils entering Standard III is, or is likely to be:—

(*a*) They will have been trained to observe, and, in a very elementary way, to associate causally some obvious features of their physical environments.
(*b*) They will have some practical acquaintance with standards: *e.g.*, standards of time, distance, direction, area.
(*c*) They will have made a beginning of the work which leads to, as its goal, the intelligent reading of maps.
(*d*) They will know something of plants and animals; the differences between them, their differing habitats, and their uses.
(*e*) Some effect will have been given to geography as a correlating subject.

2. We have now to consider what will be the most vital parts of the work in the standards that follow, namely, III to VI. The subject-matter in these standards will be, in accordance with the most generally accepted views as to the treatment of the subject, "Home" geography, and the beginnings of "World" geography.

3. In these standards the pupils will at first be occupied with a stage of the subject ("Home" geography) in which it is possible for them to get their knowledge, or at any rate to have it illustrated, largely at first hand. The transition will then have to be made to the stage ("World" geography) in which they will have to make use of their imagination. They will have to apply standards, with which they will have become gradually familiar, and principles derived from a study of their immediate surroundings, to larger and larger areas, as to which their sources of information should mainly be the map. It follows that steady progress in the understanding and use of plans and maps is vital to the success of the work, and it is worth while to sacrifice a good deal to secure this. The work should be as practical as possible, and this will make it all the more suitable for pupils of this age, and the necessity of spending a good deal of time in acquiring some proficiency in the freehand drawing of outlines and in learning to make the conventional signs used on maps need not be regretted. Ample practice in noting directions, and in measuring and estimating distances will also be necessary. A true north and south line should be conspicuously marked somewhere in every school, and from the determination of the relative situation of such objects as are indicated in a plan of the school and play-ground advance may be made to the determination of the bearing of points in the immediate neighbourhood, both practically and from a large-scale map. And so to places further and further afield using maps of continually smaller scale, until the pupils are familiar with the bearings and distances away as determined from maps of the more important towns, and the prominent physical features of the province and of India.

4. The treatment of the subject should, as far as possible, be causal, but this method must not be pressed too hard; otherwise the pupils at this age will soon get out of their depth. It would, for example, be unwise to attempt any elaborate explanation of the cause of the seasons, or to enter in any detail into the proofs of the roundness of the earth. What is of far more importance is to continue such observational work as will prepare the way for the intelligent apprehension of the more difficult parts of the subject when the time comes to deal with them. With this end in view, observations should be made of such things as the place of sunrise and sunset at different times of the year, of the face of buildings that receive sunlight in the early morning at different times of the year, of how far sunlight reaches into a room at different times of day at different times of the year, and of the varying length of shadows at noon; and the association of these circumstances with higher or lower temperatures should be effected. Observations of wind direction should also be made and recorded. In such ways the required association between wind, weather and season will be brought about. When the time comes for it, it will be easy to connect travel northwards in our hemisphere with, as a rule, increasing cold, and travel southwards with, as a rule, increasing heat.

5. In many parts of Bengal a somewhat vigorous exercise of the imagination will be required to enable the pupils to realise the variety of relief on the earth's surface, and the effect of this variety upon scenery and the conditions of life. Here pictures may be used with advantage, and, with some caution, the relief model, the relief map, and the relief globe. It will not be necessary at this stage to dwell on the evolution of scenery through the wear and tear of the land surface. It will be sufficient to draw attention to the existence of land waste, as evidenced by the muddiness of moving water after rain, and the way in which rivers in Bengal carve and change their channels. This part of the subject lends itself to easy illustration. A mound composed of a judicious mixture of clay, sand and ordinary soil will exhibit during the rainy season many of the most striking results of denudation.

6. A warning is perhaps still required against burdening the memories of these young pupils with lists of place-names and commodities. The number of names that it is really necessary to learn formally is quite few. A committee recently appointed for the purpose in America prepared the following list of cities in Europe that pupils at this stage should know:—London, Liverpool, Manchester, Edinburgh, Glasgow, Madrid, Berlin, Hamburg, Vienna, Rome, Naples, Athens, Constantinople, St. Petersburgh, Paris, Marseilles and Venice. A like economy should be exercised in memorising the names of other geographical features. With honest teaching, and with maps used as they should be, much knowledge of this kind will be acquired informally and in a more useful way.

7. The work throughout should be made as practical as possible.

---

## GEOGRAPHY SYLLABUS.

### STANDARD III.

1. (*a*) Measurement of distance by pacing. Representation of actual distances by lines drawn to scale, using familiar units, *e.g.*, length of finger-joint to represent one pace. Change of scale, *e.g.*, a distance in paces represented by a certain number of lengths of the finger-joint should be expressed in feet and represented by inches or fractions of an inch. Practice in reading plans drawn to scale.

(*b*) Plans of school-room on various scales should be drawn on the black board by the teacher, the measurements being supplied by the children. The children should copy the plans drawn by the teacher, on a suitably reduced scale, using marked rulers. Plan of school block and playground made to scale from measurements taken by the children.

(*c*) Out-of-door lessons on direction, and the approximate determination on points of the compass by the observation of the position of the sun at different times of the day.

(*d*) Schools walks, in which attention is drawn to the chief physical features of the neighbourhood, should be occasionally taken. The terms used to denote the physical features observed; *e.g.*, maidan, plain; nullah, river; jungle, forest; coast, bank; river-mouth, tributary, channel, etc., should be more fully explained in the class-room, and illustrated by means of sand or clay. The way in which these surface features are represented on a map should be explained and illustrated.

2. (*a*) The pupils will now be able to understand descriptive lessons given from the map on the geography of the country outside their own immediate neighbourhood, the nearest river or stream (where does it come from? where does it go to?), a high road, or other suitable surface feature of the locality being used to connect the home district with neighbouring districts. Such descriptive lessons may be extended until the whole province has been covered, and a clear idea of the leading physical features of Bengal as a whole has been reached.

(*b*) The chief occupations of the people, and how they vary to some extent in different parts of the province, *e.g.*, on the sea coast, in the hills, in the mining districts. A few simple lessons on what men need in the way of food, clothing, etc., and how these needs are supplied, may lead the pupil to understand why people live together in hamlets, villages, and towns. The chief towns of Bengal and their situation. Calcutta described as a capital, port, and trading centre.

(*c*) The position of Bengal in relation to the Bay of Bengal, the adjoining provinces, and India as a whole, should be explained, using both the map and the globe.

3. Stories very simply told and illustrated by suitable drawings or pictures, to interest the pupils in other features of their country than those with which they are familiar, and to give them an idea of other parts of the world and other ways of living than their own, *e.g.*, down a Bengal river to the sea; ships waiting for the tide: what they carry. Up a Bengal river: pebbles in its bed near the hills, its rapid course down a rocky channel in the hills; a river in flood; the sites of the houses and villages; the surf on the Madras coast; masula boats and catamarans; a railway: embankments, cuttings, bridges, and tunnels; the passengers and goods carried; animals of the Indian jungles; the tiger, elephant, leopard, bear, bison, buffalo, deer; where they live, and how they obtain their food. Stories of other lands and peoples: the Esquimos of the frozen north, the wandering peoples of the Asian steppes: the fur-hunters of the northern forests: the fishermen of the North Sea: the elephant-hunters of the African forests: the pearl fishers of Ceylon, etc.

## STANDARD IV.

1. (*a*) Lessons on the map of the immediate neighbourhood, including the school. If possible, the class should be taken to a height (included in the map) from which the area depicted in the map can be seen. The maps should be placed so that the directions on it agree with the compass, and the features represented on the map should be identified, and their direction from the point of observation noted.

The pupils should make simple maps for themselves of the school locality, roughly to scale.

The map of India should be occasionally drawn on the blackboard by the teacher, and the pupils should copy it as it is being drawn. The least possible detail should be given: the Vindhya ranges, the Deccan plateau and the Western Ghats, the line of the Himalaya and the north-western highlands, the Brahmaputra, Ganges, Indus, Narbada, Mahanadi, Godavari, Kistna, and the Kaveri, the situations of the larger political divisions, and the sites of Calcutta, Bombay, Madras, Nagpur, Benares, Allahabad, Lucknow, Cawnpore, Delhi, Lahore, and Karachi.

(*b*) Observations of the daily motions of the sun by means of a vertical stick fixed on a horizontal board. The position and length of the shadow cast at noon should be noted occasionally throughout the year. Observation of the position of the shadow of the school and of the length of the shadow at different times of day at different times of year.

(*c*) What becomes of the rain that falls on the land. Connexion between flow of water and slope of the land. Water partings and river basins illustrated by models in clay or sand.

2. (*a*) The position of India on the globe and in relation to Eurasia, should be carefully explained.

(*b*) The outstanding surface features of India, with special reference to the great river basins. The larger political divisions and principal towns. Occupations of the people. The parts of the country where population is most dense and least dense, and why. The principal food-crops, fruits, and forest trees, and where they flourish best.

4. Stories should be told and descriptive lessons given with the object (among others) of making the pupils interested in their work and of giving fuller illustration of the subject-matter taught. Such topics as the following are suggested:—A journey from the place

where the lesson is given to Calcutta, from Calcutta to Darjeeling, from Calcutta to Delhi, from Calcutta to Madras, etc. How salt is obtained from sea water on the coast; the falls of the Kaveri; the coal mines of Raniganj; description of Indian cities, such as Benares, Nagpur, Madras, Bombay, Lucknow, etc. A few lessons describing incidents of travel or adventure abroad, *e.g.*, whale fishing, an American cotton plantation, the Pyramids of Egypt, the land of the midnight sun, an eruption of Vesuvius, an avalanche in the Alps, a prairie fire.

STANDARD V.

1. (*a*) The practical work of previous standards continued. Wind direction and clouds in connexion with the state of the weather should be observed at different seasons and noted in the exercise books.

(*b*) Practice in reading simple physical maps. Blank maps, in particular of Asia and Europe, to be filled in by inserting only the principal mountains, rivers, and towns, and by naming the most important coast features and arms of the sea.

Frequent sketch maps as revision work, specially in connexion with the definitions of geographical terms and the representation on maps of the most important surface features.

(*c*) The work of rivers in carving their channels, and in transporting land waste.

2. Eurasia treated very generally. Its situation in relation to the other great land masses of the world. The great lowlands and the great highlands taught from the map in connexion with the main river basins. The greater coast features, and seas. General comparison of the climate of different regions. The characteristic vegetation and animals. The main political divisions, and the peoples inhabiting them.

3. Descriptive lessons on important routes in relation to direction and surface features: *e.g.*, Bombay to Mecca, Calcutta to Canton, Peking to Irkutsk, Odessa by sea to Marseilles, London to Vienna and St. Petersburg.

STANDARD VI.

1. (*a*) The latitude and longitude circles on a globe, with easy exercises, such as naming the latitude and longitude of places marked on the globe, naming the countries crossed by a particular parallel or meridian, and naming places on or near the same parallel or meridian.

The area of Britain should be roughly compared with the area of its greater colonies and dependencies, and the distances of these from Britain measured on the globe.

(*b*) Further work and revision of previous work in the explanation and illustration of the more important features of land and water.

(*c*) Elementary notions of climate. Comparison of Bengal with other parts of India as regards temperature and rainfall at different times of year.

(*d*) The blank maps of Africa, Australia, North America, and South America to be filled in as indicated under Standard V, with special attention to the parts that are British or under British influence.

2. Africa, Australia, North America, and South America treated very generally but with more particular reference to the parts that are British or under British influence. The main surface features and coast features should be taught from the map.

The British Isles from the map in some general way, but with more particular attention to England. General comparison of Britain, its climate and population, with those of its chief colonies and dependencies.

3. Descriptive lessons on such subjects as:—The discovery of America by Columbus, the search for the source of the Nile, the colonization of New England and Virginia, an African ostrich farm, an Australian sheep run, the cattle ranches of North America, the Ganchos of the Pampas, etc. The discovery by European explorers of tobacco, maize, the potato, quinine, and alpaca.

---

## THE DRAWING SYLLABUS.

STANDARD III.

(*i*) *Chalk.*—(*a*) Free-arm drawing of natural objects which have been taken in the science lessons. The choice need not be limited to these. More detail and accuracy of form will be expected than in Standard II. (*b*) Drawing of large common objects, such a *lota*, a bucket, a lamp, etc.

(*ii*) *Pencil.*—(*a*) Drawing on the same lines, care being taken that they are on a fairly large scale. (*b*) Memory drawings should form a part of the work.

*N.B.*—Chalk drawings at this stage may be discontinued, if desired.

STANDARD IV.

(*i*) The drawings from natural objects to be still continued, but studies of single leaves and flowers are too elementary at this stage. Such studies as the following are suitable: branch bearing leaves and flowers or leaves and fruit; a cluster of flowers, etc.

(*ii*) Very simple ornamental designs from the flat. A dozen copies to be chosen from the first-grade South Kensington series.

STANDARD V.

(*i*) Elementary study of perspective. The drawing of solid objects of rectangular, cylindrical, conical, and other forms. These should be very simple at first. Positions of objects relative to the eye level should be varied from time to time. Objects should be represented in their natural positions above or below the eye level. (Examples boxes, books, almirah, foot-stool or *mora*, paper basket, punkah, etc.)

(*ii*) Drawing from ornamental designs.

(*iii*) Nature drawings.

STANDARD VI.

(*i*) The syllabus of Standard V in perspective to be continued, but with the study of more difficult models, such as chairs, tables, blackboards, arches, part of a room or verandah, etc.

(*ii*) Nature drawing—study of light and shade.

---

## GEOMETRICAL DRAWING AND EXPERIMENTAL GEOMETRY SYLLABUS.

STANDARD III.

Drawing and measurement of straight lines. Circles: drawing circles of different radii; drawing circles to touch one another; drawing simple patterns involving circles. Construction of triangles with given sides; isosceles and equilateral triangles; simple patterns involving these figures. Use of set scales; construction of right angles and right-angled triangles; construction of parallel lines. Bisection of straight lines. Measurement of straight lines connected with the various figures. Experimental verification of simple geometrical theorems arising out of the constructions, *e.g.*, "two sides of a triangle are greater than the third."

Apparatus required: a pair of pencil compasses, 6″ foot-rule, India-rubber, set scale, pencil. The whole may be obtained in its cheapest form for about 4 annas. A divider point, to be used with the compasses, is desirable, but not necessary. The teacher should possess a good pen-knife, so that the pencils used by the boys can be sharpened to a fine point.

STANDARD IV.

Drawing and measurement of angles with the protractor. Construction of an elementary paper protractor. Construction of triangles with given sides and angles. Measurement of the elements of triangles constructed with given data. Bisection of angles. Drawing perpendiculars to lines from internal and external points. Measurement of lines and angles occurring in the various constructions. Experimental verification of simple geometrical theorems.

Additional apparatus required: a semi-circular protractor.

STANDARDS V AND VI.

Theoretical and Practical Geometry (modern methods) corresponding to the first 15 propositions of the first book of Euclid.

The constructions are to be made with the help of a ruler and compasses only.

N. B.—No text-book is required by the pupils in any of the standards, but the teacher should use one for his own guidance.

---

## THE MENSURATION SYLLABUS FOR MIDDLE VERNACULAR AND UPPER PRIMARY SCHOOLS ONLY.

STANDARD IV.

Definitions and units of measurement, rectangular measure.

STANDARD V.

Rectangular measure continued, working out areas with the help of fractions, oblique parallelograms, triangles.

STANDARD VI.

Trapezia, polygons, circles, elementary cubic measures.

N. B.—[illegible] should only be commenced at Standard IV, because before this stage boys will not possess sufficient [illegible] of arithmetic.

## THE NEEDLE-WORK SYLLABUS FOR GIRLS' SCHOOLS.

### STANDARD III.

(*i*) Cross-stitch.
(*ii*) Making a chemise (gathers can be, but need not be, used for the band).
(*iii*) Plain knitting with two needles.

### STANDARD IV.

(*i*) Cutting out and making a jacket.
(*ii*) Making button holes.
(*iii*) Marking on cloth in vernacular characters.
(*iv*) Knitting plain and purl with two needles.

### STANDARD V.

(*i*) Cutting out and making a petticoat with tucks, and gathering it and putting it into a band.
(*ii*) Darning and herring-boning.
(*iii*) Knitting of plain socks for babies.

### STANDARD VI.

(*i*) The cutting out and making of a *kurta* and *gunti* (gores and gussets).
(*ii*) The cutting out and making of a *piran*.
(*iii*) Feather-stitching.
(*iv*) Patching (flannel, calico and print).

*N.B.*—Patterns of chemise, jacket, *kurta* and *piran* are kept in the office of the Inspectress of Schools, Bengal, and can be borrowed.

---

## NOTE ON SCHOOL GARDENS.

In connection with the study of plant life, the importance of which has been insisted upon in the syllabus, the provision of school gardens should be considered as most desirable. Where a garden is impossible, plants should be grown in boxes or pots. The attention of school managers, teachers and others is invited to the following extract from some remarks on school gardens made by Mr. F. G. Sly, Officiating Inspector-General of Agriculture in India:—

"The master must use real objects, in order to cultivate in the child the habits of observing and thinking. In this matter, school gardens are of primary importance. I recognize the difficulties that in some parts stand in the way of providing each rural school with a garden, but these might be overcome more often than they are. Where this is impossible, a very great deal can be accomplished by growing plants in boxes and pots. The right use of a school garden or school pots is not always enforced. I have seen school gardens in which the whole of the work was done by the school watchman, and which served the sole purpose of growing a few English vegetables for presentation to an inspecting officer. The best school gardens visited by me served the useful purposes of beautifying the school surroundings and of giving some manual training to the children, but even these objects are of secondary importance. The real object of a school garden should be to supply materials for object-lessons in which the pupils can study the growth of plants. It should be a garden where 'nature is studied in its relations to the child, from the child's standpoint by the teacher with the children.' If there is not room for each child to grow his own patch, each class should jointly cultivate its own plot, not in order to produce the best results, but to observe and study plant growth. Under the guidance of the teacher, the child should observe the parts of a seed, the plant food in it, the process of germination and the conditions necessary for it. In each stage of the growth of the plant he should pull up a specimen and observe the roots, their uses and their growth; the stems, their uses and structure; the leaves, their uses and structure; the flowers, their parts and uses, and methods of fertilization, the fruits and seeds; their formation and uses, methods of disposal and the like. He should observe the soil and its composition, the effect of plant food and manures. The gardens should be deliberately used to give object-lessons in failures as well as in success in connection with soils, drainage, manures, weeds, and the like. School gardens need by no means be expensive; a portion of the school compound can often be utilized, and the commonest seeds obtained free in the village are as useful as those purchased from a merchant. In any case, the cost of growing some plants in pots and boxes is infinitesimal. Plants collected from the roadside and cultivator's field can never take the place of a school garden. The child must do the things himself; he must sow his own seed and observe the growth of his own plants."

## WEATHER AND CROP REPORT.

*For the week ending the 26th April 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 6·10 | 9 | 9½ | Rainfall general. Weather seasonable. Heavy showers retarding preparation of lands for the *bhadoi* and winter rice crops. No cattle-disease. Fodder and food stocks sufficient. No water scarcity. |
| 2 | BIRBHUM ... | 0·59 | 9½ | 9 | Rainfall at Rampur Hât 2·44 inches. Weather cloudy. Common rice selling at 9 seers per rupee at Rampur Hât. Fodder and water sufficient. No cattle-disease reported. |
| 3 | BANKURA ... | 3·04 | 10½ | 10½ | Rainfall at Vishnupur 1·54 inches. Weather cloudy with rain almost every day. Lands being prepared for *aus* and *aman* paddy. Planting of sugarcane commenced at some places. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 3·52 | 10 | 10 | Rainfall at Contai 0·69, at Tamluk 2·05 and at Ghatal 3·94 inches. Planting of sugarcane continuing. *Boro* paddy damaged by heavy rain and storms. Ploughing of lands for autumn rice retarded. Prospects of late cotton, *rabi* crops and tobacco fair. Outturn of sugarcane estimated at 85 per cent. in the Tamluk subdivision. Fodder and water sufficient. Cattle-disease in thanas Kharagpore, Narayangarh, Keshiari and Dantan. Common rice selling at 11 seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 2·67 | 9 | 9 | Weather cloudy. Stocks of food-grains sufficient. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 2·80 | 8½ | 8 | Lands for *aus* paddy and jute being prepared. Prospects of sugarcane and vegetable crops improved by recent rain. Harvesting of *boro* paddy going on. About six annas crop expected. Condition of agricultural stock good. Fodder and water sufficient. No cattle-disease reported. |
| 7 | 24-PARGANAS | 3·00 | 9½ | 9¾ | Weather seasonable. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Basirhat, at 10½ seers at Diamond Harbour and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 2·59 | 8 17/16 | 8⅝ | Rainfall at Kushtia 1·53, at Chuadanga 2·04, at Meherpur 1·18 and at Ranaghat 1·83 inches. Sowing of *bhadoi* paddy and jute continuing. Prices of staple food-grains slightly risen. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Karimpore and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 1·66 | 9 | 9½ | Rain being received almost every day of the week and weather cloudy almost every evening. Lands being cultivated for *aus* and *aman* paddy. Mulberry and *boro* paddy much improved by rain. Condition of agricultural stock good in the Lalbagh subdivision, and fair in the Kandi subdivision. Fodder and water sufficient, but scarcity of drinking-water still felt in Sagardighi and Bhagwangola thanas. Cattle-disease reported from Domkal. |
| 10 | JESSORE .. | 1·96 | 9 5/16 | 9 3/32 | Rainfall at Jhenidah 1·69, at Magura 3·14, at Narail 4·22 and at Bangaon 2·32 inches. Weather cloudy. Rain general. Recent rain good for cultivation. Sowing operations going on briskly. More rain wanted in Jhenidah. Fodder and water insufficient in places. Cattle-disease reported from the Sadar and Jhenidah subdivisions. Agricultural stock in good condition. |
| 11 | KHULNA ... | 2·30 | 10 | 10 | Rainfall at Bagerhat 0·58 and at Satkhira 1·89 inches. Weather cloudy with occasional slight rain. Prices of staple food-grains stationary. Stocks of food-grains sufficient till next harvest. No apprehension of famine. Fodder sufficient. No cattle-disease. Condition of agricultural stock good. |
| 12 | PATNA ... | 0·98 | 9<br>11¾* | 9<br>15¼* | Weather cool and cloudy. Recent rainfall general throughout the district and beneficial to the sugarcane crop; and also for fodder for cattle. Preparation of lands for the sowing of *bhadoi* and winter paddy in full swing. Planting of sugarcane going on. *Makai* and *cheena* being sown in *diara* lands. Condition of agricultural stock fair. Stray cases of cattle-disease reported from the Behar and Barh subdivisions. Fodder and water sufficient. |
| 13 | GAYA .. | 0·70 | 9¾†<br>13* | 10†<br>13½* | Weather seasonable and cloudy. Sugarcane and *cheena* doing well. Prices rising slowly. Fodder and water for cattle sufficient, except in the Nawadah and Aurangabad subdivisions. Cattle-disease reported from the Aurangabad subdivision. |
| 14 | SHAHABAD . | 1·22 | 9½<br>15* | 9½<br>15* | Rainfall at Buxar 0·31, at Sasaram 0·90 and at Bhabhua 0·33 inch. Some good done to the sugarcane crop by rain. Planting of sugarcane and threshing of *rabi* crops continuing. Prices of food-grains stationary. Food-stocks under the normal. Condition of agricultural stock normal. Fodder and water sufficient. |
| 15 | SARAN ... | 2·57 | 10<br>11* | 10<br>15½* | Weather cloudy. Rainfall general and beneficial to the standing *cheena* and sugarcane crops but threshing of *rabi* crops retarded and considerable damage done to grain on the threshing-floors. Lands which had got hardened for want of moisture now being ploughed for *bhadoi* crops. Prices of staple food-crops stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |
| 16 | CHAMPARAN ... | 3·31 | 8¾<br>15½* | 9<br>15½* | Rainfall at Bettiah 1·85 inches. Weather cool. Rainfall general and beneficial for the preparation of lands for sowing but *rabi* crops damaged after harvesting. Condition of agricultural stock normal. No cattle-disease reported. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 17 | MUZAFFARPUR | 0·38 | 9<br>15* | 9<br>15* | Weather cool and occasionally cloudy. Rainfall general throughout the district. Rainfall at Sitamarhi 1·19 and at Hajipur 1·06 inches. Common rice and maize selling at 8 and 14¾ seers a rupee, respectively at Sitamarhi and at 8½ and 13½ seers a rupee, respectively at Hajipur. Cattle-disease reported in Belsand and Muzaffarpur thanas. Fodder now probably sufficient, the grass being revived by the recent rain. Excavation of tanks and boring of wells going on and the water-supply somewhat improved. Harvesting of *rabi* crops finished. Sowings of early *bhadoi* crops in progress. Scarcity existing in parts of the Sitamarhi subdivision. Number of persons on test-works on the 22nd instant—348 men, 511 women and 198 children—total 1,057. Number of persons gratuitously relieved and in poor-houses—821. Much field work provided for the labouring classes by the recent rain. |
| 18 | DARBHANGA ... | 2·23 | 8½<br>13* | 8½<br>13½* | Weather cloudy. Further good rain during the week. Lands being ploughed and sowings commenced. *Takavi* loans will now be given out with great advantage after the rain. Food-stocks sufficient. Fodder available. Cattle-disease reported in four villages Number of persons on relief-works on the 22nd instant—49,474, showing reduction of 5,000 on last week's return. The number of persons gratuitously relieved—26,621. Further reduction in workers expected as result of the rainfall and *takavi* loan distribution with some increase in gratuitous relief. *Mahai* selling at 13 seers per rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | 3·35 | 8½<br>13½* | 8½<br>13½* | Weather showery. Lands being ploughed for *bhadoi* and *aghani* paddy. Much good done and ploughing facilitated by the recent rain. Prices of food-grains stationary. Cattle-disease reported from Gogri, Baktiarpur and Bariarpur thanas. Fodder and water scarce in some parts of the Jamui subdivision. |
| 20 | BHAGALPUR . | 0·50 | 8¼<br>13⅞* | 8¼<br>13⅞* | Weather cloudy and seasonable. Good and general rainfall during the week rising to 4·75 inches at Banka. The affected tracts much benefited by it. Harvesting of *rabi* crops finished. Cattle-disease reported in thana Daparkha in the Supaul subdivision. Fodder and water sufficient. Prices of staple food-grains stationary. Condition of agricultural stock good. 130 men, 305 women and 351 children—total 786—on gratuitous relief in Madhipura and 637 men, 1,500 women and 1,848 children—total 3,985—in Supaul. 168 men, 221 women and 82 children—total 471—on test-works in Madhipura and 439 men, 296 women and 88 children—total 823—in Supaul, besides large numbers on private works. |
| 21 | PURNEA ... | 1·49 | 10†<br>12½* | 10†<br>12½* | Rainfall at Araria 0·49 and at Forbesganj 1·85 inches. Weather cloudy with strong east winds. Sowing of *bhadoi* crops and jute in progress. Agricultural operations benefited by rain. Condition of agricultural stock fair. Scarcity of fodder and water gradually disappearing. Cattle-disease reported from the Sadar, Katihar and Dhamdaha thanas. Stocks of food-grains sufficient due to imports. 163 men, 298 women and 9 children—total 470—relieved gratuitously. Common rice (local) selling at 8 seers a rupee at the Sadar and Araria subdivision and at 8½ seers a rupee in Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district | Rainfall at Sadar station | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches | | | |
| 22 | DARJEELING ... | 2·21 | 8<br>14* | 8<br>14* | Rainfall at Siliguri 0·03 inch. Weather seasonable. Hills—Wheat and barley being harvested. Maize and potatoes being sown. Terai—Lands being prepared for *bhadoi* paddy. Sowings of jute commenced. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 0·92 | 10½<br>12½* | 10½<br>12* | Rainfall at Deoghur 2·02, at Godda 1·54, at Jamtara 1·54, at Pakour 0·99 and at Rajmahal 1·18 inches. Weather cloudy. Outturn of *mahua* good. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Water sufficient, but fodder still insufficient in the Godda and Pakour subdivisions. |
| 24 | CUTTACK ... | 2·78 | 10½ | 10½ | Cotton and sugarcane growing. Ploughing of lands in progress. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE .. | 5·46 | 11½ | 12 | Rainfall at Bhadrak 2·21 inches. Weather seasonable. Ploughing of fields, planting of sugarcane and harvesting of *dalua* paddy continuing. Vegetables progressing well. No cattle disease. Fodder and water and food-stocks sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices rising at the Sadar subdivision and stationary at the Bhadrak subdivision. |
| 26 | ANGUL ... | 3·13 | 15 | 15 | Rainfall at Phulbani 1·31 inches. Weather cloudy with occasional showers of rain and heavy hail-storms at Angul on the 23rd damaging some standing crops. Lands being ploughed. Condition of agricultural stock good. Common rice selling at 10½ seers per rupee at the Khondmals. Fodder and water sufficient. |
| 27 | PURI ... | 2·86 | 10½ | 10½ | Rainfall at Khurda 1·94 inches. Sugarcane thriving. Cotton in pods. *Dalua* paddy, *mung* and castor being harvested. Cattle-disease reported from Chowbiskud Chakla. Common rice selling at 10½ seers per rupee at Khurda. 24 men, 114 women and 228 children—total 366—attending kitchens; 12 men, 158 women and 6 children—total 176—receiving gratuitous relief. |
| 28 | SAMBALPUR ... | 2·13 | 12½ | 12½ | Weather occasionally cloudy. Fields being ploughed for the sowing of *kharif* crops. Sugarcane plants being manured and watered. Condition of vegetables good. Rinderpest in both the *tahsils*. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Common rice selling at 13½ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 1·12 | 8½ / 12* | 8½ / 12* | Weather cool and cloudy. Prospects of standing crops good. Fodder and water and food-stocks sufficient. |
| 30 | RANCHI ... | 1·11 | 9 | 9 | Weather cloudy. Ploughing and manuring in progress. Cattle-disease reported from several thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | 0·56 | 9 | 9 | Weather cloudy. Harvesting of *rabi* crops and *mahua* completed. Sugarcane doing well. Fodder and water available. Some cattle-disease. 217 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 1·51 | 11 | 11 | Weather cool and cloudy. State of standing crops good. Falling of *mahua* beginning to cease. Outturn of tobacco and sugarcane estimated at 58 and 75 per cent. respectively. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM .... | 3·04 | 9½ | 9 | Weather cloudy. Fields being prepared for early rice. Condition of cattle good. Fodder and water sufficient. Common rice selling at 10 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 0·76 | 8 | 8 | Weather occasionally cloudy. Sowing of jute and weeding of *aus* paddy continuing. Prospects of standing crops good. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Weather hot and cloudy. Harvesting of *dalua* paddy going on in Narsingpur. The estimated outturn of *sunnung* 8 annas in Athgarh. Sugarcane growing well in Narsingpur, Athgarh, Ranpur, Nayagarh, Dhenkanal, Kalahandi and Baud. State of standing crops good in Daspalla, Hindol and Mayurbhanj. Preparation of lands for next season's crop vigorously going on after the recent rainfall in all States. Fodder and water sufficient. Price of rice varying from 9 seers in Keonjhar and 12 seers in Mayurbhanj, Narsingpur and Khandpara to 17 seers in Patna and 18 seers in Talcher. |

| Name of State. | Rainfall in inches. |
|---|---|
| Daspalla ... | 1·25 |
| Athmallik ... | 0·56 |
| Narsingpur ... | 2·00 |
| Baramba ... | 2·02 |
| Pal-Lahara ... | 0·10 |
| Hindol ... | 1·98 |
| Keonjhar ... | 0·86 |
| Athgarh ... | 0·72 |
| Nilgiri ... | 1·84 |
| Ranpur ... | 0·61 |
| Bonai ... | 0·01 |
| Nayagarh ... | 1·72 |
| Mayurbhanj ... | 1·66 |
| Dhenkanal ... | 0·97 |
| Talcher ... | 0·41 |
| Patna ... | 1·41 |
| Sonpur ... | 0·72 |
| Kalahandi ... | 0·20 |
| Rairakhol ... | 0·64 |
| Gangpur ... | 0·11 |
| Baud ... | 0·63 |
| Khandpara ... | Moderate rain for two consecutive days during the week. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 17th April 1909.

GENERAL SUMMARY.—Rain was general all over the Province. The fall was heavy in parts of Lower Bengal, Orissa and North Bihar. Cultivation has been facilitated and prospects of standing crops have improved, but some damage has been done to the *rabi* crops on threshing-floors in Saran and Champaran. A storm did some damage in Angul. Sowing of jute and other *bhadoi* crops has commenced. The sugarcane crop and vegetables are doing well. The price of common rice has risen in Burdwan, the 24-Parganas, Nadia, Murshidabad, Gaya, Champaran, Bhagalpur, the Sonthal Parganas and Balasore, has fallen in Birbhum, Howrah, Jessore, Hazaribagh and Singhbhum and has been stationary in the remaining districts. Cattle-disease is reported from Midnapore, Nadia, Murshidabad, Jessore, Patna, Gaya, Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, Purnea, Puri, Sambalpur, Ranchi and Palamau. The recent rain has greatly improved the water-supply. Insufficiency of fodder and water is, however, still reported in parts of Jessore, Gaya and Monghyr. The number of persons on test-works in Muzaffarpur and Bhagalpur was 2,351 and the famine relief-works in Darbhanga were attended by 49,474 persons. Gratuitous relief was given to 33,442 persons in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 27th April 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarter

QUANTITIES PER RUPEE IN

| Division | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (Andropogon Sorghum). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (Penniseturn typhoideum). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| | | BENGAL. | | | | | | | | | | | | | | | | | | |
| Burdwan Division. | 1 | Burdwan .. | ... | ... | ... | ... | .. | ... | 9 10 | 9 11 | 7 0 | 10 0 | 10 4 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum .. | 9 0 | 7 8 | 8 4 | ... | ... | .. | 9 8 | 10 0 | 7 0 | 9 8 | 10 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 8 8 | 8 8 | 8 0 | ... | ... | ... | 10 0 | 10 0 | 7 4 | 10 8 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 10 8 | 8 0 | 8 0 | ... | ... | ... | 10 6 | 10 8 | 7 0 | 11 0 | 11 0 | 7 4 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly .. | ... | ... | ... | ... | . | ... | 8 0 | 8 8 | 6 8 | 8 8 | 9 0 | 7 0 | ... | . | ... | ... | ... | ... |
| | 6 | Howrah .. | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 8 | 8 0 | 8 0 | 8 0 | ... | . | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | 8 0 | 8 0 | 7 0 | ... | . | ... | 8 8 | 8 8 | 7 0 | 9 8 | 10 0 | 7 8 | ... | .. | ... | ... | ... | ... |
| | 8 | Calcutta | 7 6 | 7 6 | 7 0 | 12 8 | 12 10 | 9 0 | 7 12 | 7 12 | 6 10 | 10 0 | 10 0 | 8 6 | ... | ... | ... | 13 12 | 14 0 | 7 0 |
| | 9 | Nadia .. | 9 2 | 10 0 | 10 0 | 12 4 | 11 12 | Not reported | 8 15 | 9 0 | 6 12 | 9 2 | 9 4 | 7 0 | ... | .. | ... | ... | ... | ... |
| | 10 | Murshidabad | 11 0 | 11 0 | 10 0 | 15 8 | 15 0 | 6 0 | 8 0 | 8 4 | 7 0 | 9 0 | 9 8 | 7 8 | ... | .. | ... | ... | ... | ... |
| | 11 | Jessore | 6 8 | 6 8 | 6 8 | 7 8 | 8 | 8 0 | 8 4 | 8 3 | 6 13 | 9 4 | 9 2 | 7 3 | ... | ... | ... | .. | ... | ... |
| | 12 | Khulna ... | ... | . | . | ... | ... | ... | 8 8 | 9 8 | 8 0 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 9 4 | 9 8 | 8 4 | 17 0 | 17 8 | 12 0 | 9 4 | 9 8 | 7 12 | 10 4 | 10 4 | 9 0 | ... | Not sold. | 8 8 | ... | ... | ... |
| | 14 | Gaya .. | 9 8 | 10 4 | 7 0 | 16 8 | 14 5 | 10 8 | 9 0 | 9 3 | 7 0 | 10 9 | 10 10 | 7 8 | 15 0 | 14 6 | 8 0 | ... | ... | ... |
| | 15 | Shahabad ... | 10 0 | 9 0 | 8 0 | 14 0 | 14 0 | 11 0 | 9 8 | 9 8 | 7 8 | 9 8 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 16 | Saran .. | 10 0 | 9 12 | 8 4 | 14 0 | 16 0 | 12 0 | 9 0 | 9 0 | 7 0 | 10 0 | 10 4 | 8 4 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 17 | Champaran ... | 9 0 | 8 0 | 7 8 | 18 0 | 17 0 | 15 12 | 8 8 | 8 8 | 7 8 | 8 12 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 8 0 | 8 0 | 15 0 | 12 0 | 14 0 | 6 0 | 6 0 | 7 0 | 9 0 | 9 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 12 | 7 11 | 8 12 | 15 6 | 15 6 | 11 0 | 7 11 | 7 11 | 7 11 | 8 8 | 8 8 | 8 12 | ... | ... | ... | ... | ... | ... |

A. In the subdivisions the retail prices of salt per rupee are—Katwa 18 1/16 seers; Asansol 21 seers; Kalna 22½ seers; Raniganj 21 seers.

B. At Pampur Hat the retail price of salt is 22 seers per rupee.

C. At Vishnupur the retail price of salt is 22 seers per rupee.

D. In the subdivisions the retail prices of salt per rupee are—Contai 20 seers; Tamluk 20 seers; Ghatal 22½ seers.

E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers; Aramongh 16 seers.

F. At Uluberia the retail price of salt is 20 seers per rupee (panga).

G. In the hearts in the interior of the district the retail prices of salt per rupee are—Chatia 22 seers (karkatch); Barasat 16 seers, Baduria 21 3/16 seers; Mograhat 21 seers; Vishnupur 16 seers; Barrackpore report not received.

H. In the subdivisions the retail prices of salt per rupee are—Kushtia 21 seers (panga); Chuadanga 16 seers (karkatch); Meherpur report not received; Ranaghat 20 seers (crushed).

***Station Bazars of the districts of Bengal on the 15th April 1909.***

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR TEUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| | | | | | | | | | | | | | | | | | | Liverpool crushed. | | | | | | |
| ... | ... | ... | ... | ... | ... | 14 0 | 13 0 | 9 4 | ... | ... | ... | 9 0 | 9 8 | 8 0 | A 21 0 | 21 0 | 19 0 | 1 11 0 | 1 12 0 | 1 13 0 | 1 | | | |
| ... | ... | ... | ... | ... | ... | 11 0 | 12 0 | 6 0 | ... | ... | ... | 7 8 | 7 8 | 6 0 | B 20 0 | 20 0 | 16 0 | 1 15 0 | 1 15 0 | 2 6 0 | 2 | | | |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 9 4 | ... | ... | ... | 8 8 | 8 4 | 7 8 | C 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | 3 | | | |
| | | | | | | | | | | | | | | | | | | Crushed | | Crushed | | | | |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 0 | 9 0 to 10 0 | ... | ... | ... | 7 0 | 7 0 | 7 0 | D 20 0 | 20 0 | 20 0 | 1 12 0 | 1 12 0 | 1 12 0 | 4 | | | |
| | | | | | | | | | | | | | | | Bombay. | | | Bombay | | | | | | |
| | | | | | | | | | | | | | | | 19 0 | 19 0 | 18 8 | 1 14 0 | 1 14 0 | 2 0 0 | | | | |
| | | | | | | | | | | | | | | | | | | Panga. | | | | | | |
| ... | ... | ... | ... | ... | ... | 8 0 | 8 8 | 7 0 | ... | ... | ... | 7 4 | 6 6 | 6 4 | E 20 0 | 20 0 | 18 0 | 2 0 0 | 2 0 0 | 2 1 0 | 5 | | | |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 9 0 | ... | ... | ... | 7 4 | 7 0 | 7 0 | F 16 0 | 16 0 | 16 0 | 1 14 0 | 1 14 0 | 2 8 0 | 6 | | | |
| | | | | | | | | | | | | | | | | | | Panga. | | | | | | |
| ... | ... | ... | ... | ... | ... | 14 0 | 12 0 | 10 0 | ... | ... | ... | 10 0 | 10 0 | 8 0 | G 23 8 | 25 0 | 22 8 | 1 10 0 | 1 9 0 | 1 14 0 | 7 | | | |
| | | | | | | | | | | | | | | | | | | Panga. | | | | | | |
| .. | ... | ... | 9 0 | 9 0 | 9 0 | 9 0 | 9 0 | 9 6 | 13 8 | 13 8 | 10 10 | 7 12 | 7 12 | 7 10 | 20 0 | 20 0 | 20 0 | 1 9 0 | 1 9 0 | 1 10 0 | 8 | | | |
| | | | | | | | | | | | | | | | | | | Karkatch. | | | | | | |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 10 8 | ... | ... | ... | 6 8 | 7 2 | 6 3 | H 16 0 | 16 0 | 16 0 | 1 14 0 | 1 14 0 | 1 14 0 | 9 | | | |
| ... | ... | ... | ... | ... | ... | 14 8 | 11 0 | 11 0 | ... | ... | ... | 10 8 | 10 0 | 7 0 | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | 10 | | | |
| ... | ... | ... | .. | ... | ... | 8 0 | 8 0 | 10 0 | .. | . | ... | [illegible] 0 | 11 0 | 10 0 | J 23 12 | 23 12 | 20 0 | 1 11 0 | 1 11 0 | 1 13 0 | 11 | | | |
| ... | ... | ... | ... | .. | ... | 12 0 | 12 0 | 7 0 | ... | ... | ... | 5 8 | 5 8 | 7 0 | K 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 6 0 | 12 | | | |
| | | | | | | | New. | | | | | | | | | | | Panga. | | | | | | |
| ... | ... | ... | ... | ... | ... | 13 4 | 13 0 | 12 0 | 15 8 | 15 8 | 11 4 | 10 0 | 9 4 | 8 8 | L 19 0 | 19 0 | 19 0 | 2 0 0 | 2 0 0 | 2 0 0 | 13 | | | |
| ... | ... | ... | 12 0 | 10 4 | 7 0 | 13 8 | 15 9 | 10 0 | 15 0 | 14 5 | 9 12 | 8 8 | 9 12 | 6 8 | M 20 0 | 19 5 | 19 8 | 2 0 0 | 1 15 6 | 2 1 0 | 14 | | | |
| ... | ... | ... | ... | ... | ... | 14 0 | 12 0 | 11 0 | 15 0 | 15 0 | 11 0 | 10 0 | 8 0 | 8 0 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | 15 | | | |
| | | | | | | | New | | | | | | New. | | | | | Panga. | | | | | | |
| 14 0 | 14 0 | 10 0 | Not available. | | 8 0 | 13 0 | 13 0 | 11 0 | 15 0 | 15 8 | 10 4 | 12 0 | 11 0 | 9 0 | O 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 16 | | | |
| | | | | | | | Old 10 8 | | | | | 9 4 | Old. 8 8 | | | | | | | | | | | |
| 15 0 | 14 8 | 12 0 | — | ... | ... | 13 8 | 11 0 | 11 8 | 15 8 | 15 8 | 11 8 | 9 0 | 8 8 | 8 12 | P 18 0 | 18 0 | 17 8 | 2 3 9 | 2 3 9 | 2 4 0 | 17 | | | |
| | | | | | | | | | | | | | | | | | | Panga. | | | | | | |
| 15 0 | 12 0 | ... | ... | ... | ... | 12 0 | 9 0 | 10 0 | 15 0 | 14 8 | 10 12 | 9 0 | 8 0 | 8 0 | Q 18 0 | 18 0 | 18 0 | 2 1 6 | 2 1 6 | 2 1 6 | 18 | | | |
| 13 3 | 13 3 | 12 1 | ... | ... | ... | 12 1 | 11 0 | 11 0 | 14 12 | 13 0 | 11 0 | 8 12 | 8 12 | 7 11 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 | | | |

I. In the subdivisions the retail prices of salt per rupee are—Jangipur 20 seers; Lalbagh 20 seers; and Kandi 20 seers.
J. In the subdivisions the retail prices of salt per rupee are—Jhenida report not received; Magura 16 seers; Bangaon 21 seers; and Narail 14 7/16 seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. In the subdivisions the retail prices of salt per rupee are—Dinapore 17 seers; Barh and Bihar reports not received.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah 20 seers; and Jehanabad report not received.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua 20 seers; and Sasaram 20 seers.
O. In the subdivisions the retail prices of salt per rupee are—Siwan 20½ seers (panga); Gopalganj 19⅔ seers (panga).
P. At Bettiah the retail price of salt is 19 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 20 seers; Hajipur 20 seers.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 21 seers; Madhubani 19½ seers.

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheaper. Present return. | Common Rice. Cheaper. Next preceding return. | Common Rice. Cheaper. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| **BIHAR—*concluded.*** | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division | 20 | Monghyr ... | 10 8 | 10 0 | 9 0 | 15 0 | 14 8 | 12 8 | 8 8 | 8 3 | 8 0 | 8 12 | 8 8 | 9 4 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur | 9 6 | 9 8 | 7 9 | 15 4 | 15 4 | 12 0 | 7 3 | 7 4 | 7 9 | 8 3 | 8 14 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 0 | 8 0 | 10 0 | ... | ... | ... | 7 0 | 7 0 | 8 0 | Rangoon. 10 0 Local. 10 0 | Rangoon. 10 0 Local. 8 0 | 8 8 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling... | 6 8 | 7 0 | 5 8 | 8 0 | 8 0 | 6 0 | 4 0 | 4 0 | ... | 8 0 | 8 0 | 7 0 | ... | ... | .. | ... | ... | ... |
| | 24 | Sonthal Parganas. | 9 0 | 9 0 | 6 0 | 11 0 | 11 0 | 8 0 | 9 4 | 9 8 | 7 0 | 10 4 | 10 10 | 7 12 | ... | ... | ... | ... | ... | ... |
| **ORISSA.** | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 6 0 | 6 0 | 7 14 | ... | ... | ... | 11 2 | 11 13 | 7 8 | 11 2 | 11 13 | 7 14 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore ... | 8 0 | 7 2 | 7 0 | ... | ... | ... | 11 4 | 11 12 | 7 0 | 12 0 | 12 8 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | 5 0 | 5 0 | 5 0 | ... | ... | ... | 15 0 | 15 0 | 7 0 | 15 0 | 15 0 | 7 0 | .. | — | ... | ... | ... | ... |
| | 28 | Puri ... | 8 8 | 8 3 | 8 8 | ... | ... | ... | 10 8 | 9 3 | 7 3 | 11 13 | 10 8 | 7 14 | ... | ... | — | — | — | ... |
| | 29 | Sambalpur... | 8 12 | 9 0 | 8 0 | ... | ... | ... | 12 0 | 12 0 | 8 8 | 12 8 | 12 8 | 9 8 | ... | ... | — | ... | ... | ... |
| **CHOTA NAGPUR.** | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 0 | 6 12 | 12 0 | 9 0 | 8 8 | 8 8 | 8 8 | 6 8 | 9 4 | 9 0 | 7 0 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 7 8 to 8 0 | 8 0 to 8 8 | 7 0 to 8 0 | 13 0 | 10 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 8 | 10 0 | 8 0 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 9 | 10 2 | 7 5 | 14 1 | ... | .. | 5 10 | 6 12 | 7 5 | 10 2 | 10 2 | 9 0 | .. | — | ... | ... | — | — |
| | 33 | Manbhum... | 8 8 | 8 0 | 7 8 | 10 8 | 12 0 | 8 0 | 10 0 | 10 0 | 7 0 | 11 0 | 11 0 | 7 8 | ... | ... | ... | 11 0 | 10 0 | — |
| | 34 | Singhbhum | 9 0 | 8 0 | 8 0 | ... | ... | ... | 7 8 | 7 8 | 6 8 | 9 8 | 9 8 | 7 0 | ... | — | ... | — | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers ; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers ; Madhipura 13 seers ; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers ; Basantpur 16 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong 15½ seers ; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers ; Deoghur 20 seers ; Pakour 20 seers ; Rajmahal and Jamtara reports not received.

CALCUTTA,
*The 26th April 1909.*

*Station Bazars of the districts of Bengal on the 15th April 1909*—concld.

| SEERS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| — | ... | ... | ... | ... | ... | 13 8 | 13 8 | 11 8 | 13 8 | 13 8 | 11 0 | 10 4 | 9 4 | 8 0 | S 20 0 | 16 0 | 20 0 | 2 0 0 | 2 4 0 | 2 0 0 | 20 |
| ... | ... | ... | | ... | ... | 12 10 | 12 10 | New 10 2 | 13 14 | 13 14 | 10 2 | 8 8 | New 8 14 | 6 15 | T 20 0 | 20 3 | 18 0 | 2 0 0 | 1 15 6 | Panga. 2 1 0 | 21 |
| ... | ... | ... | ... | ... | ... | 8 8 | 9 0 | 9 8 | 13 8 | 12 0 | 10 0 | 7 4 | 7 0 | 6 0 | U 18 0 | 16 0 | 14 0 | 2 4 0 | 2 8 0 | Panga. 2 13 9 | 22 |
| 11 0 | 11 0 | 11 0 | ... | ... | ... | 8 0 | 8 8 | 9 0 | 15 0 | 15 0 | 12 0 | 5 4 | 5 8 | 5 8 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | 23 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 5 | 9 0 | 12 0 | 12 0 | 9 8 | 8 8 | 9 0 | 6 0 | W 18 0 | 16 0 | 17 0 | 2 3 6 | 2 8 0 | 2 4 0 | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 12 7 | 12 7 | 9 3 | ... | ... | ... | 10 8 | 10 8 | 11 2½ | X 22 0 | 22 0 | 22 0 | 1 13 0 | 1 13 0 | Karkatch. 1 13 9 | 25 |
| ... | ... | ... | ... | ... | ... | 9 12 / 11 4 | Chhola. 7 8 / Biri. 10 12 | 8 0 / 9 0 | ... | ... | ... | 6 8 | 6 8 | 6 8 | Y 21 0 | 21 0 | 21 0 | 1 14 0 | 1 14 0 | Panga. 1 14 0 | 26 |
| ... | ... | ... | ... | ... | ... | 9 0 | Biri. 9 0 | 8 0 | ... | ... | ... | 14 0 | 15 0 | 10 8 | Z 18 0 | 20 0 | 16 0 | 2 0 0 | 2 0 0 | 2 4 0 | 27 |
| ... | ... | ... | ... | ... | ... | 10 8 | Biri. 10 8 | 9 13 | ... | ... | ... | 6 11 | 6 9 | 7 8 | a 25 0 | 24 8 | 22 0 | 1 10 0 | 1 10 0 | 1 12 0 | 28 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | ... | ... | [illegible] 0 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | 2 4 0 | Karkatch. 2 4 0 | 29 |
| 14 [illegible] | [illegible] 8 | 9 0 | ... | ... | ... | 11 8 | 11 0 | 9 0 | 12 0 | 12 0 | 8 8 | 8 0 | 7 0 | 6 12 | 16 0 | 16 0 | 15 0 | 2 8 0 | 2 8 0 | 2 8 0 | 30 |
| 16 0 | 16 0 | 9 8 | ... | ... | ... | 11 0 | 10 8 | 8 0 to 9 0 | 12 0 | 10 0 | 8 0 | 5 0 to 8 0 | 5 0 to 8 0 | 5 0 to 7 0 | 17 8 | 17 0 | 16 0 | 2 4 0 | 2 6 0 | Panga. 2 8 0 | 31 |
| ... | ... | ... | ... | ... | ... | 12 6 | 13 8 | 10 [illegible] | 14 1 | ... | 9 0 | 11 4 | 9 0 | 6 12 | 19 2 | 16 11 | 18 9 | ... | ... | ... | 32 |
| ... | ... | ... | ... | ... | ... | 9 4 | 9 8 | 9 0 | 10 0 | 10 0 | 10 0 | 8 0 | 7 8 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 1 0 | 2 2 0 | Panga. 2 4 0 | 33 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 0 | ... | ... | ... | 8 0 | 7 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 1 0 | 2 1 0 | 2 6 0 | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga); Jajpur report not received.
Y. The retail price of salt at Bhadrak is 19 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bautla 18 seers (karkatch); Phulbani 12 seers.
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbad 16 seers; Jhalda 16 seers.

**Published for general information.**

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 10 0 | 6 10 0 | 6 14 0 | 5 0 0 | 5 0 0 | 5 10 0 | 3 12 0 | 3 12 0 | 4 [illegible] 0 | 5 0 0 | 5 0 0 | 5 8 0 |
| 2 | Burdwan ... | 4 8 0 | 4 5 0 | 5 14 0 | 4 3 0 | 4 2 0 | 5 4 0 | 4 0 0 | 3 14 0 | 4 6 0 | ... | ... | ... |
| 3 | Midnapore ... | 5 0 0 | 4 15 0 | 6 8 0 | 3 14 0 | 4 0 0 | 5 9 0 | 3 11 0 | 3 11 0 | 5 4 0 | ... | ... | ... |
| 4 | Patna ... | 6 10 0 | 6 10 0 | 6 8 0 | 4 4 0 | 4 2 0 | 5 2 0 | 3 12 0 | 3 12 0 | 4 6 0 | 3 15 0 | 4 2 0 | 4 11 0 |
| 5 | Muzaffarpur . | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 11 6 | 5 11 6 | 4 7 0 | 4 7 0 | 4 9 3 | 4 7 0 | 5 0 0 | 5 0 0 |
| 6 | Bhagalpur ... | 6 6 0 | 6 4 0 | 6 6 0 | 5 10 0 | 5 9 8 | 5 4 6 | 4 14 0 | 4 7 0 | 4 14 0 | 4 3 6 | 4 8 6 | 5 4 6 |
| 7 | Cuttack .. | 7 3 0 | 7 3 0 | 7 3 0 | 3 9 6 | 3 0 2 | 5 5 4 | 3 9 6 | 3 6 2 | 5 1 3 | 6 10 8 | 6 10 8 | 5 1 3 |
| 8 | Sambalpur ... | 5 12 0 | 5 12 0 | 6 0 0 | 3 3 0 | 3 3 0 | 4 7 0 | 3 0 0 | 3 0 0 | 4 2 0 | 4 7 0 | 4 3 6 | 4 14 0 |
| 9 | Ranchi ... | 5 5 0 | 5 12 0 | 8 0 0 | 4 7 0 | 4 7 0 | 6 5 0 | 3 12 0 | 4 0 0 | 5 0 0 | 5 0 0 to 5 4 0 | 4 11 0 to 5 0 0 | 5 0 0 to 5 11 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapes. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 2 10 0 | 3 8 0 | 4 12 0 | 4 12 0 | 5 0 0 | 5 4 0 | 5 4 0 | 5 6 0 | 4 12 0 | 4 8 0 | 6 0 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 8 0 | 4 4 0 | 5 0 0 | ... | ... | ... | 5 0 0 | New. 5 2 0 | 7 0 0 |
| 3 | Midnapore ... | ... | ... | ... | 5 4 0 | 5 4 0 | 5 12 0 | 4 14 0 | 4 14 0 | 5 6 0 | Black mustard. 5 8 0 / Rapeseed. 4 11 0 | 5 8 0 / 4 14 0 | 7 0 0 / 7 0 0 |
| 4 | Patna ... | ... | 2 8 0 | 3 8 0 | 3 15 0 | 4 4 0 | 4 8 0 | 5 0 0 | 5 4 0 | 5 10 0 | 4 10 0 | 4 10 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 2 10 6 | 2 12 0 | 3 11 6 | 4 7 0 | 5 0 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 2 11 0 | 2 14 0 | 3 14 0 | 4 3 6 | 4 8 0 | 5 11 0 | 5 4 0 | 4 8 0 | 5 7 6 | 4 1 0 / 4 5 0 | Rapeseed 3 12 0 / Mustard. 4 2 0 | 6 6 0 / 6 4 0 |
| 7 | Cuttack .. | ... | ... | ... | 3 12 11 | 3 12 11 | 3 9 0 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 4 4 0 | 4 8 0 | 7 4 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 0 0 to 8 0 0 | 5 0 0 to 8 0 0 | 5 8 0 to 8 0 0 | 5 8 0 | 5 0 0 to 6 0 0 | 6 0 0 | 5 10 0 | 5 0 0 to 5 8 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th April 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Combu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 2 0 | 2 14 0 | 4 0 0 | ... | ... | ... | 2 10 0 | 2 9 0 | 5 8 0 | ... | — | — | 3 14 0 | 3 14 0 | 4 0 0 | 1 |
| — | — | — | — | ... | — | ... | — | ... | ... | ... | ... | 2 12 0 | 3 4 0 | 4 1 0 | 2 |
| ... | ... | . | — | . | — | ... | ... | ... | — | ... | ... | 3 8 0 | 3 12 0 to 4 0 0 | 3 12 0 to 4 8 0 | 3 |
| 2 5 0 | 2 3 0 | 3 8 0 | Not reported. | | | 4 8 0 | ... | ... | ... | ... | ... | 3 0 0 | 3 1 0 | 3 4 0 | 4 |
| 2 10 0 | 3 5 3 | 2 13 9 | — | .. | — | ... | — | ... | 2 10 6 | 3 5 3 | ... | 3 5 3 | 4 7 0 | 4 0 0 | 5 |
| 2 10 0 | 2 10 0 | 3 4 0 | ... | . | — | ... | ... | ... | — | ... | ... | 3 2 6 | 3 2 6 | 3 14 0 | 6 |
| — | — | .. | ... | ... | — | — | ... | ... | ... | ... | ... | 3 3 5 | Biri or kalai. 3 3 5 | 4 5 4 | 7 |
| ... | — | ... | — | — | .. | ... | — | — | ... | ... | ... | 3 10 0 | 3 10 0 | 4 9 0 | 8 |
| 3 1 0 | 4 0 0 | 5 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 4 13 0 | 4 8 0 to 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 4 0 | 6 4 0 | 4 12 0 | 4 12 0 | 5 0 0 | 18 0 0 | 18 0 0 | 18 0 0 | 5 12 0 | 5 12 0 | 5 0 0 | 1 |
| ... | — | ... | 7 6 0 | 7 5 0 | 4 0 0 | ... | ... | ... | — | — | — | 2 |
| ... | — | ... | 7 8 0 | 7 4 0 | 4 12 0 to 5 4 0 | 21 0 0 to 22 0 0 | 16 0 0 to 21 0 0 | 20 0 0 to 24 0 0 | — | — | — | 3 |
| 5 0 0 | 5 0 0 | 7 0 0 | 4 4 0 to 5 0 0 | 4 0 0 to 4 4 0 | 3 8 0 to 4 8 0 | 18 0 0 | 18 0 0 | 16 0 0 to 19 0 0 | ... | ... | 3 0 0 to 5 0 0 | 4 |
| — | ... | ... | 5 0 0 | 5 4 6 | 3 1 3 | — | ... | — | ... | ... | ... | 5 |
| ... | — | ... | 4 14 0 | 5 0 0 | 4 4 0 | 20 0 0 | 19 0 0 | 20 0 0 | ... | — | — | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | ... | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 5 12 0 | 5 12 0 | 5 0 0 | ... | ... | ... | 4 8 0 | 4 13 0 | 4 8 0 | 8 |
| ... | ... | ... | 5 10 0 | 5 5 0 | 5 11 0 | 23 0 0 | 23 0 0 | 23 0 0 | ... | ... | — | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. | Grass. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | | | | |
| 1 | Calcutta ... | 41 0 0 | 41 0 0 | 42 0 0 | 8 0 0 | 8 0 0 | 8 0 0 | 380 0 0 | 4 0 0 0 | 400 0 0 | 1 4 0 | 1 4 0 | 1 2 0 |
| 2 | Burdwan ... | 35 0 0 | 36 0 0 | 40 0 0 | ... | ... | ... | ... | ... | ... | ... | — | — |
| | | | | | | Madhukhali. | | Uncleaned per piece. | | | | | |
| 3 | Midnapore ... | 36 0 0 to 39 0 0 | 36 0 0 to 39 0 0 | 34 0 0 to 40 0 0 | 13 0 0 | 12 8 0 | 9 0 0 | 2 12 0 to 3 8 0 | 3 0 0 to 3 12 0 | 1 12 0 to 2 8 0 | ... | — | ... |
| | | | | | | Palta. | | Cleaned per piece. | | | | | |
| | | | | | 14 8 0 | 14 8 0 | 10 0 0 | 3 0 0 to 3 12 0 | 3 4 0 to 4 0 0 | 2 4 0 to 3 0 0 | | | |
| | | | | | | Douji. | | | | | | | |
| 4 | Patna ... | 30 0 0 to 35 0 0 | 31 0 0 to 34 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 0 0 to 4 0 0 | ... | ... | 35 0 0 to 40 0 0 | ... | ... | 0 8 0 |
| 5 | Muzaffarpur ... | 30 7 6 | 30 7 6 | 37 10 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | ... | — | — | ... | — |
| 6 | Bhagalpur ... | 32 8 0 | 32 0 0 | 40 0 0 | 10 0 0 | 10 8 0 | 12 0 0 | ... | ... | ... | ... | ... | — |
| | | | | | | | | Per maund. | | | | | |
| 7 | Cuttack .. | 41 14 5 | 41 14 5 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| | | | | | | | | Per maund. | | | | | |
| 8 | Sambalpur ... | 26 8 0 to 27 8 0 | 24 8 0 to 25 8 0 | 39 0 0 | 16 0 0 | 16 0 0 | 16 0 0 | 40 0 0 | 40 0 0 | 40 0 0 | ... | ... | — |
| | | | | | | | | Per piece. | | | | | |
| 9 | Ranchi .. | 35 8 0 | 35 4 0 | 40 0 0 | 8 0 0 to 13 0 0 | 8 0 0 to 14 0 0 | 10 0 0 to 16 0 0 | 3 8 0 | 3 0 0 to 4 0 0 | 3 0 0 to 3 8 0 | 0 10 0 | 0 9 0 | 0 12 0 |

| Number. | Marts. | Price per maund of Firewood. | | | Salt. | | | Bhoosa. | | | Bran. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Panga. | | | | | | | | |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 9 0 | 1 9 0 | 1 9 0 | 1 10 0 | 1 12 0 | 1 12 0 | ... | 2 14 0 | 2 15 0 | |
| | | | | | Panga. | | | | | | | | |
| 2 | Burdwan ... | 0 9 0 | 0 9 0 | 0 9 0 | 1 11 0 | 1 12 0 | 1 13 0 | Not sold. | | | 3 4 0 | 3 5 0 | ... |
| | | | | | Crushed. | | | | | | | | |
| 3 | Midnapore ... | 0 4 0 | 0 4 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | Not available. | | | 0 7 0 | 0 7 0 | ... |
| | | | | | Bombay. | | | | | | | | |
| | | | | | 1 14 0 | 1 14 0 | 2 0 0 | | | | | | |
| | | | | | Panga. | | | | | | | | |
| 4 | Patna ... | 0 6 6 | 0 7 0 | 0 6 6 | 2 0 0 | 2 0 0 | 2 0 0 | Not reported. | 1 0 0 | ... | Not reported. | 2 4 0 | ... |
| | | | | | Panga. | | | | | | | | |
| 5 | Muzaffarpur ... | 0 5 3 | 0 5 3 | 0 5 3 | 2 1 6 | 2 1 6 | 2 1 6 | 0 8 0 | 0 10 6 | ... | 3 1 3 | 3 1 10 | ... |
| | | | | | Panga. | | | | | | | | |
| 6 | Bhagalpur ... | 0 6 0 | 0 6 6 | 0 6 0 | 2 0 0 | 1 15 6 | 2 1 0 | 0 8 0 | 0 8 0 | ... | 2 0 0 | 2 4 0 | ... |
| | | | | | Karkatch. | | | | | | | | |
| 7 | Cuttack ... | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | Not sold | | | 0 10 0 | 0 10 0 | ... |
| | | | | | Karkatch. | | | | | | | | |
| 8 | Sambalpur .. | 0 4 0 | 0 4 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | Ditto | | | Not available | | |
| | | | | | Panga. | | | | | | | | |
| 9 | Ranchi ... | 0 4 6 | 0 4 6 | 0 5 3 | 2 4 0 | 2 6 0 | 2 8 0 | 2 8 0 | 2 8 0 | — | 3 0 0 | 3 0 | ... |

CALCUTTA,
*The 26th April 1909.*

*the undermentioned Marts of Bengal on the 15th April 1909*—concld.

| Straw. | | | Juar stalks. | | | Price per maund of forty standard seers. Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 0 12 0 | 0 10 0 | 1 0 0 | ... | ... | ... | 6 0 0 | 6 4 0 | 6 4 0 | Calcutta ... | 1 |
| 0 6 6 | 0 6 6 | 0 8 0 | — | ... | ... | — | — | ... | Burdwan ... | 2 |
| 0 6 0 | 0 6 0 | 0 5 0 | — | ... | ... | 2 8 0 to 4 0 0 | 2 8 0 to 4 0 0 | 2 8 0 to 5 0 0 | Midnapore ... | 3 |
| 0 12 0 | 0 12 0 | 0 8 0 | ... | ... | ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 3 0 0 to 5 0 0 | Patna ... | 4 |
| — | ... | ... | — | — | — | 8 0 0 | 8 0 0 | 10 0 0 | Muzaffarpur ... | 5 |
| ... | ... | ... | ... | — | ... | 5 0 0 | 5 0 0 | 5 4 0 | Bhagalpur ... | 6 |
| 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | ... | ... | ... | — | — | ... | ... | ... | Sambalpur ... | 8 |
| 0 14 0 | 0 12 0 | 1 0 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 5 4 0 | Ranchi ... | 9 |

| Forty standard seers. | | | | | | Price per animal. | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|
| Oats. | | | Kerosine oil. | | | Slaughter cattle. | | | |
| 3 6 0 | 3 2 0 | ... | Per tin. 1 8 0 | ... | ... | Cow. 42 0 0 / 42 0 0; Calf. 6 0 0 / 6 0 0 | ... ... | Calcutta ... | 1 |
| — | Not sold. | | Per tin. 1 6 9 | ... | ... | Not sold. | | Burdwan ... | 2 |
| 4 8 0 | 4 8 0 | ... | Per tin. 1 7 0 | ... | ... | Full grown. 8 0 0 to 12 0 0 / 8 0 0 to 12 0 0 | — | Midnapore ... | 3 |
| | Not sold | | Per tin. 1 6 3 to 1 11 0 | ... | ... | Goat and sheep. ... 3 0 0 to 5 0 0; Buffalo and Calf. Not sold. | ... ... ... | Patna ... | 4 |
| 3 5 3 | 4 0 0 | ... | Per tin. 1 8 0 | 1 5 0 | ... | Calf. 15 0 0 / 15 0 0; Cow. 30 0 0 / 30 0 0 | ... ... | Muzaffarpur ... | 5 |
| 3 6 0 | 4 5 0 | ... | Per tin. 1 2 0 to 3 4 0 | ... | ... | Goat. 5 0 0 / ...; Cow. 20 0 0 / 20 0 0 | ... ... | Bhagalpur ... | 6 |
| 5 1 4 | 5 1 4 | ... | Per tin. 1 8 6 | ... | ... | Cow. Rs. 10 to Rs. 20. / Rs. 10 to Rs. 20.; Calf. Rs. 2 to Rs. 10. / Rs. 2 to Rs. 10. | ... | Cuttack ... | 7 |
| | Not available | | Per tin. 1 6 0 to 3 7 0 | 1 5 0 to 3 7 0 | ... | Full grown. 3 8 0 / 3 8 0 | ... | Sambalpur ... | 8 |
| 5 0 0 | 5 0 0 | ... | Per tin. 1 14 0 to 3 10 0 | ... | ... | Full grown. 9 0 0 to 16 0 0 / 9 0 0 to 16 0 0; Calf. 6 0 0 to 10 0 0 / 6 0 0 to 10 0 0 | ... ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 24th April 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 24th April 1909. | | | Week ending Saturday, the 25th April 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 403 | 76,460 | 1,093 | 290 | 1,24,188 | 1,534 |
| Jute ... ... | 42 | 33,350* | 311 | 57 | 19,534† | 256 |
| Firewood ... ... | 64 | 78,725 | 1,178 | 26 | 11,975 | 171 |
| Other articles ... ... | 699 | 2,57,449 | 3,154 | 547 | 1,92,721 | 2,266 |
| Total ... | 1,208 | 4,45,984 | 5,736 | 920 | 3,48,418 | 4,227 |

* Weight by actual measurement, 35,687½ maunds.
† Ditto, ditto, 22,075 ,,

CALCUTTA,
*The 26th April 1909.*

R. H. HALFHIDE,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th April 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded | Rains | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | | ° | Inches | | | | | Inches | |
| April | 18th | 142·4 | 8·0 | 29·788 | 79·5 | 90·2 | 20·0 | 70·2 | 71·0 | 0·681 | 67·8 | 71 | ESE, SE by E and variable. | 156 | Nil | Partially cloudy, o, p, d, t, ⚡. |
| " | 19th | 143·2 | 7·3 | ·822 | 77·3 | 87·6 | 19·3 | 68·3 | 71·4 | ·726 | 69·7 | 81 | ESE, S and SE by S. | 92 | 0·69 | Partially cloudy, p, d. |
| " | 20th | 144·8 | 1·7 | ·809 | 77·6 | 86·3 | 16·0 | 70·3 | 71·3 | ·767 | 71·3 | 92 | ESE, NNE, and variable. | 80 | 0·27 | Chiefly cloudy, o, g, d, p. |
| " | 21st | 149·3 | 7·4 | ·826 | 78·1 | 87·8 | 18·1 | 69·7 | 71·2 | ·829 | 73·6 | 87 | ESE and S by E | 82 | 0·89 | Partially cloudy, p, d. |
| " | 22nd | 138·8 | 3·0 | ·880 | 78·9 | 87·4 | 15·6 | 71·8 | 73·0 | ·797 | 72·4 | 88 | WNW, NNW and SW. | 68 | 0·13 | Chiefly cloudy, o, g, d, p, t, ⚡. |
| " | 23rd | 141·5 | 9·6 | ·797 | 80·6 | 92·2 | 21·9 | 70·3 | 74·8 | ·810 | 72·9 | 79 | SW, NW and S by E. | 99 | 0·68 | Chiefly clear, d. |
| " | 24th | 144·1 | 6·6 | ·770 | 81·7 | 91·7 | 18·7 | 73·0 | 72·9 | ·727 | 69·7 | 71 | S by E, NW by W and SW by W. | 167 | 0·05 | Partially cloudy, o, g, d, p, ⚡, ⚡. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·813 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·745 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 43·6 |
| The maximum possible number of hours of sunshine ... ... ... | 89·2 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 79·1 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 84·5 |
| The extreme variation of temperature ... ... ... ... | 23·9 |
| The maximum temperature ... ... ... ... ... | 92·2 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 16 |
| | % |
| The mean relative humidity ... ... ... ... ... | 81 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| | Inches. |
| The total fall of rain from 18th to 24th April 1909 ... ... ... | 2·71 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·51 |
| The total fall from 1st January to 24th April 1909 ... ... ... | 4·08 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 4·06 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; ⚡, Lightning; ⚡, strong wind; ⚡, thunder storm.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 26th April 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of December 1908, compared with the corresponding period in 1907.*

| Description of Goods. | 1907. | | 1908. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 78 | 1,263 | 87 | 1,508 | 9 | 245 | ..... | ..... | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 11,258 | 20,435 | 11,193 | 25,855 | ..... | 5,420 | 65 | ..... | |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... | 263 | 4,007 | 279 | 3,695 | 16 | ..... | ..... | 312 | |
| 2. Manufactured— | | | | | | | | | |
| (a) Twist and yarn. — European | 3 | 35 | 16 | 197 | 13 | 162 | ..... | ..... | General development. |
| (b) Twist and yarn. — Indian ... | 600 | 7,534 | 841 | 11,034 | 241 | 3,500 | ..... | ..... | |
| (c) Piece-goods — European | 1,481 | 14,598 | 1,489 | 17,452 | 8 | 2,854 | ..... | ..... | |
| (d) Piece-goods — Indian ... | 454 | 5,203 | 695 | 7,336 | 241 | 2,134 | ..... | ..... | |
| (e) Others ... ... ... | 35 | 452 | 87 | 1,380 | 52 | 928 | ..... | ..... | |
| IV.—Chemicals, excepting saltpetre | 163 | 506 | 135 | (−)1,481 | ..... | ..... | 28 | 1,987 | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 2 | 46 | 4 | 79 | 2 | 33 | ..... | ..... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 14 | 240 | 9 | 140 | ..... | ..... | 5 | 100 | |
| (b) Others ... ... | 450 | 2,493 | 863 | 5,087 | 413 | 2,594 | ..... | ..... | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 6 | 39 | 10 | 126 | 4 | 87 | ..... | ..... | |
| 2. Cutch ... ... ... | 16 | 68 | 6 | 10 | ..... | ..... | 10 | 58 | |
| 3. Indigo ... ... ... | 226 | 1,687 | 290 | 1,845 | 64 | 158 | ..... | ..... | |
| 4. Myrabolams ... ... | 21 | 194 | 5 | 33 | ..... | ..... | 16 | 161 | |
| 5. Tanning barks ... ... | ..... | ..... | 89 | 70 | 89 | 70 | ..... | ..... | |
| 6. Turmeric ... ... ... | 189 | 1,728 | 150 | 1,186 | ..... | ..... | 39 | 542 | |
| 7. Others ... ... ... | 58 | 461 | 67 | 674 | 9 | 213 | ..... | ..... | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... ... ... | 937 | 3,001 | 994 | 4,229 | 57 | 1,228 | ..... | ..... | |
| 2. Hay, straw and grass .. | 1,988 | 6,239 | 853 | 3,409 | ..... | ..... | 1,135 | 2,870 | |
| VIII.—Fruits and vegetables, fresh | 2,929 | 5,373 | 7,195 | 11,066 | 4,266 | 5,693 | ..... | ..... | Good potatoes traffic. |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 5,360 | 19,763 | 5,037 | 24,235 | ..... | 4,472 | 323 | ..... | |
| 2. Jawar and bajra ... | 619 | 694 | 10,252 | 69,445 | 9,633 | 68,751 | ..... | ..... | Demand in Tirhut. |
| 3. Rice — in the husk ... | 13,838 | 87,266 | 7,603 | 36,662 | ..... | ..... | 6,235 | 50,604 | Poor crops owing to drought. |
| 4. Rice — not in the husk | 17,955 | 89,173 | 10,500 | 37,348 | ..... | ..... | 7,455 | 51,825 | |
| 5. Wheat ... ... ... | 1,492 | 5,049 | 2,664 | 13,509 | 1,172 | 8,460 | ..... | ..... | |
| 6. Wheat-flour ... ... | 406 | 2,419 | 292 | 2,512 | ..... | 93 | 114 | ..... | |
| 7. Makai ... ... ... | 21,312 | 1,28,127 | 31,820 | 2,04,562 | 10,508 | 76,435 | ..... | ..... | Good crops and demand in Tirhut. |
| 8. Others ... ... ... | 6,493 | 29,213 | 5,116 | 21,143 | ..... | ..... | 1,377 | 8,070 | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | 8 | 31 | 8 | 31 | ..... | ..... | |
| (b) Raw ... ... | 524 | 3,634 | 770 | 5,049 | 246 | 1,415 | ..... | ..... | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 237 | 1,455 | 868 | 1,923 | 631 | 468 | ..... | ..... | |
| XI.—Horns .. ... ... ... | 15 | 92 | 5 | 35 | ..... | ..... | 10 | 57 | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 647 | 2,754 | 225 | 960 | ..... | ..... | 422 | 1,794 | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... ... ... | 1,490 | 8,983 | 822 | 4,946 | ..... | ..... | 668 | 4,037 | |
| 2. Gunny-bags and cloth | 1,896 | 12,277 | 1,784 | 12,870 | ..... | 593 | 112 | ..... | |
| XIV.—Lac .. ... ... ... | 256 | 1,931 | 245 | 1,538 | ..... | ..... | 11 | 393 | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | ..... | ..... | 10 | 71 | 10 | 71 | ..... | ..... | |
| 2. Wrought, excepting boots and shoes. | 13 | 73 | 9 | 184 | ..... | 111 | 4 | ..... | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 3 | 24 | 7 | 51 | 4 | 27 | ..... | ..... | |
| 2. Wines and spirits of all kinds, including country spirit. | 25 | 313 | 22 | 214 | ..... | ..... | 3 | 99 | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 43 | 489 | 64 | 508 | 21 | 19 | ..... | ..... | |
| 2. " wrought ... | 198 | 1,464 | 135 | 1,167 | ..... | ..... | 63 | 297 | |
| 3. Copper, unwrought ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. " wrought ... | 14 | 145 | 7 | 101 | ..... | ..... | 7 | 44 | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 11 | 53 | 65 | 477 | 54 | 424 | ..... | ..... | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 766 | 3,393 | 934 | 4,596 | 169 | 1,103 | ..... | ..... | |
| (b) Machinery and mill-work. | 88 | 449 | 39 | 412 | ..... | ..... | 49 | 37 | |
| (c) Other manufactures, including hardware and cutlery. | 1,333 | 9,115 | 709 | 5,220 | ..... | ..... | 624 | 3,895 | |
| 6. Metallic ores ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 7. Others ... ... ... | 258 | 3,346 | 288 | 2,054 | 30 | ..... | ..... | 1,292 | |

| Description of Goods. | 1907. | | 1908. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| **XVIII.—Mineral substances—** | | | | | | | | | |
| 1. Marble and stone ... | 1,184 | 1,844 | 2,492 | 4,216 | 1,308 | 2,372 | ..... | ..... | |
| 2. Chalk and lime ... | 1,336 | 5,653 | 1,149 | 4,194 | ..... | ..... | 187 | 1,459 | |
| 3. Others ... ... ... | 30 | 117 | ..... | ..... | ..... | ..... | 30 | 117 | |
| **XIX.—Oils—** | | | | | | | | | |
| 1. Kerosine ... ... ... | 2,471 | 10,799 | 2,301 | 10,089 | ... | ..... | 170 | 710 | |
| 2. Castor ... ... ... | 73 | 498 | 110 | 632 | 37 | 134 | ..... | ..... | |
| 3. Cocoanut ... ... ... | 1 | 6 | 1 | 8 | ..... | 2 | ..... | ..... | |
| 4. Mustard and rape ... | 68 | 534 | 136 | 1,535 | 68 | 1,001 | ..... | ..... | |
| 5. Others ... ... ... | 88 | 735 | 50 | 622 | ..... | ..... | 38 | 113 | |
| **XX.—Oilseeds—** | | | | | | | | | |
| 1. Castor ... ... ... | 789 | 1,929 | 864 | 2,246 | 75 | 317 | ..... | ..... | |
| 2. Earthnuts ... ... | ..... | ..... | 15 | 63 | 15 | 63 | ..... | ..... | |
| 3. Linseed ... ... ... | 3,120 | 12,090 | 2,564 | 8,414 | ..... | ..... | 556 | 3,676 | |
| 4. Poppy ... ... ... | 74 | 350 | 154 | 843 | 79 | 493 | ..... | ..... | |
| 5. Rape and mustard ... | 1,718 | 6,979 | 2,337 | 10,110 | 619 | 3,131 | ..... | ..... | |
| 6. Til or jinjili ... ... | 475 | 2,320 | 1,405 | 7,345 | 930 | 5,025 | ..... | ..... | |
| 7. Others ... ... ... | 776 | 3,687 | 1,032 | 4,204 | 256 | 517 | ..... | ..... | |
| **XXI.—Opium** ... ... ... | 1,132 | 12,505 | 971 | 10,260 | ..... | ..... | 161 | 2,245 | |
| **XXII.—Paper and Pasteboard** ... | 231 | 544 | 391 | 1,080 | 160 | 536 | ..... | ..... | |
| **XXIII.—Provisions—** | | | | | | | | | |
| 1. Dried fruits and nuts ... | 213 | 2,788 | 233 | 3,226 | 20 | 438 | ..... | ..... | |
| 2. Ghee ... ... ... | 410 | 4,141 | 537 | 4,840 | 127 | 699 | ..... | ..... | |
| 3. Others ... ... ... | 733 | 3,172 | 615 | 3,032 | ..... | ..... | 118 | 140 | |
| **XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways—** | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Others ... ... | | | ..... | ..... | ..... | ..... | ..... | ..... | |
| **XXV.—Salt** ... ... ... ... | 9,878 | 36,447 | 10,335 | 44,910 | 457 | 8,463 | ..... | ..... | |
| **XXVI.—Saltpetre and other saline substances—** | | | | | | | | | |
| 1. Saltpetre ... ... | 1,558 | 6,319 | 1,504 | 5,598 | ..... | ..... | 54 | 721 | |
| 2. Other saline substances | 907 | 3,706 | 1,189 | 5,330 | 282 | 1,624 | ..... | ..... | |
| **XXVII.—Silk—** | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | 1 | 6 | 1 | 6 | ..... | ..... | |
| **XXVIII.—Spices—** | | | | | | | | | |
| 1. Betelnuts ... ... | 270 | 2,367 | 217 | 1,[illegible] | ..... | ..... | 53 | 647 | |
| 2. Cardamoms ... ... | 11 | 136 | 9 | [illegible] | ..... | ..... | 2 | 13 | |
| 3. Chillies ... ... ... | 119 | 713 | 120 | 4[illegible] | 1 | ..... | | 219 | |
| 4. Ginger ... ... ... | 120 | 1,177 | 183 | 1,333 | 63 | 156 | ..... | | |
| 5. Pepper ... ... ... | 63 | 718 | 74 | 883 | 8 | 165 | ..... | ..... | |
| 6. Others ... ... ... | 144 | 1,310 | 180 | 1,614 | 36 | 304 | ..... | ..... | |
| **XXIX.—Sugar—** | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 772 | 4,894 | 746 | 4,682 | ..... | ..... | 26 | 212 | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 2,574 | 10,800 | 1,871 | 7,985 | ..... | ..... | 703 | 2,815 | |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 7,545 | 48,481 | 6,344 | 30,299 | ..... | ..... | 1,201 | 18,182 | |
| **XXX.—Tea—** | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... ... | 9 | 88 | 17 | 160 | 81 | 72 | ..... | ..... | |
| **XXXI.—Tobacco—** | | | | | | | | | |
| 1. Unmanufactured ... | 1,618 | 11,679 | 1,642 | 12,368 | 24 | 689 | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars ... ... | 1 | 45 | 1 | —10 | ..... | ..... | ..... | 55 | |
| (b) Other sorts ... | 35 | 473 | 24 | 362 | ..... | ..... | 11 | 111 | |
| **XXXII.—Wood—** | | | | | | | | | |
| 1. Timber, unwrought ... | 2,201 | 6,270 | 2,752 | 7,377 | 551 | 1,107 | ..... | ..... | |
| 2. Logs ... ... ... | 358 | 816 | 506 | 1,132 | 148 | 287 | ..... | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. Manufactures ... ... | 588 | 4,274 | 688 | 4,842 | 100 | 568 | ..... | ..... | |
| **XXXIII.—Wool—** | | | | | | | | | |
| 1. Raw ... ... ... | 18 | 316 | 23 | 518 | 5 | 202 | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs ... | 1 | 13 | 4 | 59 | 3 | 46 | ..... | ..... | |
| (b) (c) Piece-goods { European | 6 | 80 | 1 | 17 | ..... | ..... | 5 | 63 | |
| (b) (c) Piece-goods { Indian | 21 | 264 | 17 | 184 | ..... | ..... | 4 | 80 | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| **XXXIV.—All other articles of merchandise—** | | | | | | | | | |
| 1. Indigo-seed ... ... | 549 | 4,514 | 486 | 1,272 | ..... | ..... | 63 | 242 | |
| 2. Firewood ... ... | 2,312 | 3,565 | 7,325 | 11,1[illegible] | 3,013 | 7,570 | ..... | .. | |
| 3. Others, not specified above. | 5,101 | 33,969 | 2,092 | 21,81[illegible] | ..... | .. | 2,1[illegible] | 12,157 | |
| **Total** ... | 1,48,167 | 7,41,556 | 1[illegible]0,124 | 7,92[illegible]37 | 33,423 | 2,23,898 | 21,466 | 1,72,517 | |

GORAKHPUR, *the 20th April 1909.*

W. JENKINS,
for *Chief Auditor.*

## EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of January 1909, as compared with the same month of the previous year (for four weeks).*

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 104 | 115 | ..... | 11 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 79,353 | 75,847 | 3,506 | ..... | |
| 3 | Cotton— | | | | | |
| | (1) Raw | 313 | 170 | 143 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European | 122 | 109 | 13 | ..... | |
| | (b) Ditto, Indian | 524 | 511 | 13 | ..... | |
| | (c) Piece-goods, European | 1,838 | 1,724 | 114 | ..... | |
| | (d) Ditto, Indian | 874 | 496 | 378 | ..... | |
| | (e) Others | ..... | ..... | ..... | ..... | |
| 4 | Chemicals, excepting saltpetre | 263 | 245 | 18 | ..... | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium | 1 | ..... | 1 | ..... | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations | 4 | 17 | ..... | 13 | |
| | (b) Others | 115 | 156 | ..... | 41 | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes | ..... | ..... | ..... | ..... | |
| | (3) Cutch | 23 | 77 | ..... | 54 | |
| | (4) Indigo | 19 | 23 | ..... | 4 | |
| | (5) Myrabolams | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks | ..... | ..... | ..... | ..... | |
| | (7) Turmeric | 191 | 244 | ..... | 53 | |
| | (8) Others | 61 | 67 | ..... | 6 | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake | 730 | 938 | ..... | 208 | |
| | (2) Hay, straw and grass | 690 | 3,722 | ..... | 3,032 | |
| 8 | Fruits and vegetables, fresh | 2,242 | 1,582 | 660 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse | 4,562 | 5,121 | ..... | 559 | |
| | (2) Jawar and bajra | ..... | ..... | ..... | ..... | |
| | (3) Rice in the husk | 28,207 | 11,472 | 16,735 | ..... | |
| | (4) Do. not in the husk | 29,139 | 11,301 | 17,838 | ..... | |
| | (5) Wheat | 52 | 72 | ..... | 20 | |
| | (6) Do. flour | 679 | 819 | ..... | 140 | |
| | (7) Others | 1,686 | 316 | 1,370 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | 785 | 1,006 | ..... | 221 | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | 115 | 95 | 20 | ..... | |
| 11 | Horns | 8 | 13 | ..... | 5 | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 3,235 | 51 | 3,184 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw | 71,884 | 66,683 | 5,201 | ..... | |
| | (2) Gunny-bags and cloth | 2,254 | 2,243 | 11 | ..... | |
| 14 | Lac | 193 | 431 | ..... | 238 | |
| 15 | Leather— | | | | | |
| | (1) Unwrought | ..... | 1 | ..... | 1 | |
| | (2) Wrought, excepting boots and shoes | ..... | ..... | ..... | ..... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer | 20 | 26 | ..... | 6 | |
| | (2) Spirits of all kinds, including country spirit. | 72 | 74 | ..... | 2 | |
| | (3) Wine | | | | | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | ..... | ..... | ..... | ..... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought | 33 | 46 | ..... | 13 | |
| | (2) Do., manufactured | 354 | 323 | 31 | ..... | |
| | (3) Copper, unwrought | ..... | ..... | ..... | ..... | |
| | (4) Do., manufactured | 7 | 12 | ..... | 5 | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought | ..... | 19 | ..... | 19 | |
| | (b) Wrought | ..... | ..... | ..... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 3,011 | 3,396 | ..... | 385 | |
| | (ii) Machinery and mill works | 120 | 305 | ..... | 185 | |
| | (iii) Other manufactured, including hardware and cutlery. | 774 | 2,119 | ..... | 1,345 | |
| | (6) Metallic ores | ..... | ..... | ..... | ..... | |
| | (7) Others | 1,771 | 1,709 | 62 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone | 1,087 | 1,592 | ..... | 505 | |
| | (2) Chalk | | | | | |
| | (3) Lime | 1,544 | 2,141 | ..... | 597 | |
| | (4) Others | ..... | ..... | ..... | ..... | |
| 19 | Oils— | | | | | |
| | (1) Kerosine | 11,096 | 12,888 | ..... | 1,792 | |
| | (2) Castor | 10 | 8 | 2 | ..... | |
| | (3) Cocoanut | 104 | 158 | ..... | 54 | |
| | (4) Mustard and rape | 570 | 682 | ..... | 112 | |
| | (5) Others | 248 | 230 | 18 | ..... | |

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 20 | Oilseeds— | | | | | |
| | (1) Castor | ..... | 39 | ..... | 39 | |
| | (2) Earthnuts | ..... | ..... | ..... | ..... | |
| | (3) Linseed | 52 | 688 | ..... | 636 | |
| | (4) Poppy | ..... | ..... | ..... | ..... | |
| | (5) Rape and mustard | 1,206 | 692 | 514 | ..... | |
| | (6) Til or jinjili | 290 | 92 | 198 | ..... | |
| | (7) Others | 197 | 131 | 66 | ..... | |
| 21 | Opium | 3 | ..... | 3 | ..... | |
| 22 | Paper and pasteboard | 719 | 747 | ..... | 28 | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts | 7 | 15 | ..... | 8 | |
| | (2) Ghee | 64 | 74 | ..... | 10 | |
| | (3) Others | 539 | 569 | ..... | 30 | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates | 57 | 3 | 54 | ..... | |
| | (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | |
| | (c) Others | ..... | ..... | ..... | ..... | |
| 25 | Salt | 6,667 | 5,753 | 914 | ..... | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre | 5 | 5 | ..... | ..... | |
| | (2) Other saline substances | 193 | 218 | ..... | 25 | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | 73 | 41 | 32 | ..... | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts | 1,194 | 1,953 | ..... | 759 | |
| | (2) Cardamoms | 52 | 29 | 23 | ..... | |
| | (3) Chillies | 708 | 313 | 395 | ..... | |
| | (4) Ginger | 189 | 95 | 94 | ..... | |
| | (5) Pepper | 43 | 66 | ..... | 23 | |
| | (6) Others | 183 | 217 | ..... | 34 | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallized, including sugar-candy. | 1,511 | 1,516 | ..... | 5 | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar | 1,298 | 1,630 | ..... | 332 | |
| | (b) Gur, rab, jaggery, molasses, and other saccharine produce. | 4,571 | 3,700 | 871 | ..... | |
| 30 | Tea— | | | | | |
| | (1) Foreign | ..... | ..... | ..... | ..... | |
| | (2) Indian | 976 | 1,175 | ..... | 199 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured | 1,401 | [illegible] | 40 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars | ..... | ..... | ..... | ..... | |
| | (b) Other sorts | 140 | 149 | ..... | 9 | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought | 5,281 | 5,335 | ..... | 54 | |
| | (2) Manufactured | 492 | 382 | 110 | ..... | |
| 33 | Wool— | | | | | |
| | (1) Raw | 110 | 129 | ..... | 19 | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs | | | | | |
| | (b) Piece-goods, European | 3 | 13 | ..... | 10 | |
| | (c) Ditto, Indian | | | | | |
| | (d) Other sorts of manufactures | | | | | |
| 34 | All other articles of merchandise | 8,151 | 10,022 | ..... | 1,871 | |
| | Total | 287,261 | 248,346 | 52,632 | 13,717 | |

CALCUTTA, *the 19th April 1909.*

H. J. JUDGE,
for *Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 10th April 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 511,002 | 4,59,026 0 0 | 75,85,907 0 | 12,15,520 0 0 (a) | 42,474 0 0 | 17,17,020 0 0 | 169,300 | 220,080 | 389,380 |
| Or per mile of railway ... | ..... | 200 3 10 | ..... | 530 3 11 | 18 8 6 | 749 0 3 | ..... | ..... | ..... |
| For previous 13¾ weeks of half-year | 7,237,443 | 66,96,095 0 0 | 9,27,34,703 0 | 1,50,75,922 0 0 | 6,00,701 0 0 | 2,23,72,718 0 0 | 2,273,156 | 2,894,499 | 5,097,655 |
| Total for 14¾ weeks ... | 7,748445 | 71,55,121 0 0 | 10,01,20,607 0 | 1,62,91,442 0 0 | 6,43,175 0 0 | 2,40,89,738 0 0 | 2,372,456 | 3,114,579 | 5,487,035 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 555,498 | 4,58,862 8 8 | 70,20,324 20 | 11,48,149 12 6 | 44,801 10 9 | 16,51,813 15 11 | 163,191 | 238,018 | 401,200 |
| Per mile of railway corresponding week of previous year. | ..... | 200 10 2 | ..... | 502 0 4 | 19 9 5 | 722 3 11 | ..... | ..... | ..... |
| Total for corresponding 14¾ weeks of previous year. | 7,830,055 | 74,29,954 13 11 | 10,74,73,671 20 | 1,70,33,891 7 2 | 6,02,394 4 11 | 2,50,66,240 10 0 | 2,362,376 | 3,327,500 | 5,689,876 |

(a) Increase is chiefly in coal and general merchandise.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,317,028 | 20,57,070 | 3,02,58[illegible] | 49,14,397 | 2,17,919 | 71,89,196 | 3,136 | 1,677,717 | 4 4 7 |
| 2,292·37 | First 6 days of Feb. ... | 474,0[illegible]7 | 4,04,555 | 62[illegible],025 | 10,27,046 | 34,093 | 14,69,744 | 641 | 326,356 | 4 8 1 |
| 2,292·37 | Week ended 13th ,, ... | 534,137 | 5,31,039 | 7[illegible],20,715 | 11,69,116 | 47,266 | 17,47,421 | 762 | 385,440 | 4 8 6 |
| 2,292·37 | ,, ,, 20th ,, ... | 604,226 | 6,24,120 | 79,94,697 | 11,26,789 | 47,266 | 17,98,175 | 784 | 393,578 | 4 9 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 568,066 | 5,55,893 | 71,47,821 | 11,67,229 | 45,871 | 17,68,984 | 772 | 382,641 | 4 10 0 |
| 2,292·37 | ,, ,, 6th Mar. ... | 566,749 | 5,56,500 | 67,26,466 | 11,52,450 | 47,266 | 17,56,216 | 766 | 387,029 | 4 8 7 |
| 2,292·37 | ,, ,, 13th ,, ... | 567,310 | 5,14,413 | 71,31,994 | 11,16,505 | 35,536 | 16,66,454 | 727 | 387,068 | 4 4 9 |
| 2,292·37 | ,, ,, 20th ,, ... | 531,253 | 4,93,555 | 68,82,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 386,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 527,[illegible]23 | 4,84,702 | 66,56,371 | 10,89,218 | 42,474 | 16,16,394 | 705 | 381,053 | 4 3 9 |
| 2,292·37 | ,, ,, 3rd Apl. ... | 551,745 | 4,74,848 | 72,36,065 | 11,74,510 | 42,474 | 16,91,832 | 738 | 389,321 | 4 5 6 |
| 2,292·37 | ,, ,, 10th ,, ... | 511,002 | 4,59,026 | 73,85,907 | 12,15,520 | 42,474 | 17,17,020 | 749 | 389,380 | 4 6 7 |
| | Totals up to date ... | 7,742,415 | 71,55,121 | 10,01,20,607 | 1,62,91,442 | 6,43,175 | 2,40,89,738 | 786 | 5,487,035 | 4 6 3 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* 908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,011 | 20,92,534 | 3,18,38,828 | 50,53,727 | 1,75,350 | 73,21,611 | 3,201 | 1,682,116 | 4 5 8 |
| 2,287·05 | First 1 days of Feb. ... | 92,654 | 94,319 | 10,44,227 | 1,68,390 | 5,705 | 2,68,414 | 117 | 55,613 | 4 13 3 |
| 2,287·05 | Week ended 8th ,, ... | 642,223 | 6,29,534 | 67,78,774 | 11,47,199 | 40,138 | 18,16,891 | 794 | 385,893 | 4 11 4 |
| 2,287·05 | ,, ,, 15th ,, ... | 522,987 | 5,20,704 | 72,60,797 | 12,52,102 | 46,759 | 18,19,565 | 796 | 393 022 | 4 10 0 |
| 2,287·05 | ,, ,, 22nd ,, ... | 587,955 | 5,55,293 | 76,84,940 | 12,51,245 | 43,823 | 18,50,361 | 809 | 399,806 | 4 10 7 |
| 2,287·05 | ,, ,, 29th ,, ... | 575,504 | 5,60,715 | 76,27,245 | 12,71,065 | 45,554 | 18,77,334 | 821 | 402,273 | 4 10 8 |
| 2,287·05 | ,, ,, 7th Mar. ... | 629,809 | 5,44,340 | 73,95,192 | 11,25,979 | 43,982 | 17,14,900 | 759 | 388,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 568,4[illegible]0 | 5,44,5[illegible] | 77,15,217 | 10,78,904 | 34,757 | 16,58,454 | 725 | 378,642 | 4 6 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,34,010 | 74,70,[illegible] | 11,14,1[illegible] | 40,626 | 15,89,374 | 695 | 393,996 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,675 | 5,15,047 | 83,92,115 | 12,84,537 | 39,655 | 18,39,239 | 804 | 408,875 | 4 8 1 |
| 2,287·05 | ,, ,, 4th April ... | 500,984 | 4,78,344 | 72,47,146 | 11,38,395 | 41,244 | 16,58,283 | 725 | 400,507 | 4 2 3 |
| 2,287·05 | ,, ,, 11th ,, ... | 555,498 | 4,58,863 | 70,20,325 | 11,48,150 | 44,801 | 16,51,814 | 722 | 401,200 | 4 1 10 |
| | Totals up to date ... | 7,830,055 | 74,29,954 | 10,74,73,672 | 1,70,33,891 | 6,02,394 | 2,50,66,240 | 752 | 5,689,876 | 4 6 6 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 10th April 1909, on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 33,624 | 6,817 0 0 | 27,293 0 | 1,173 0 0 | 6 0 0 | 8,026 0 0 | 1,369 | 159 | 1,518 |
| Or per mile of railway ... ... | ... | 308 4 7 | ... | 52 13 0 | 0 4 4 | 361 5 11 | ... | ... | |
| For previous 13¾ weeks of half-year | 383,392 | 91,630 0 0 | 3,23,129 0 | 10,310 0 0 | 103 0 0 | 1,02,043 0 0 | 17,993 | 2,235 | 20,228 |
| Total for 14¾ weeks ... | 417,016 | 98,477 0 0 | 3,50,422 0 | 11,483 0 0 | 109 0 0 | 1,10,069 0 0 | 19,352 | 2,394 | 21,746 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 43,643 | 12,143 7 2 | 24,889 20 | 1,005 13 0 | 10 12 0 | 13,160 0 2 | 1,386 | 154 | 1,540 |
| Per mile of railway corresponding week of previous year ... ... | ... | 546 4 3 | ... | 45 3 11 | 0 7 9 | 591 15 11 | ... | ... | ... |
| Total for corresponding 14¾ weeks of previous year ... ... ... | 471,574 | 118,628 5 11 | 3,76,383 30 | 13,440 5 0 | 118 8 3 | 1,32,187 3 2 | 20,646 | 2,218 | 22,864 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

1909.

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. ... | 105,932 | 24,217 | 1,08,797 | 1,[illegible]34 | 27 | 25,928 | 1,163 | 6,692 | 3 13 9 |
| 22·21 | First 6 days of Feb. ... | 26,048 | 7,583 | 13,400 | 582 | 7 | 8,172 | 368 | 1,300 | 6 4 7 |
| 22·21 | Week ended 13th ,, ... | 27,697 | 6,431 | 18,304 | 751 | 9 | 7,191 | 324 | 1,476 | 4 13 11 |
| 22·21 | ,, ,, 20th ,, ... | 55,835 | 14,155 | 19,472 | 850 | 9 | 15,014 | 676 | 1,784 | 8 6 8 |
| 22·21 | ,, ,, 27th ,, ... | 26,114 | 5,592 | 29,445 | 1,158 | 8 | 6,758 | 304 | 1,496 | 4 8 3 |
| 22·21 | ,, ,, 6th March .. | 28,474 | 8,132 | 20,041 | 890 | 9 | 9,031 | 4 7 | 1,496 | 6 0 7 |
| 22·21 | ,, ,, 13th ,, ... | 31,132 | 6,725 | 28,182 | 1,010 | 11 | 7,746 | 349 | 1,496 | 5 2 10 |
| 22·21 | ,, ,, 20th ,, ... | 28,049 | 6,086 | 31,911 | 1,322 | 11 | 7,419 | 334 | 1,496 | 4 15 4 |
| 22·21 | ,, ,, 27th ,, ... | 26,641 | 5,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| 22·21 | ,, ,, 3rd April ... | 27 470 | 7,115 | 25,230 | 1,066 | 6 | 8,187 | 369 | 1,496 | 5 7 7 |
| 22·21 | ,, ,, 10th ,, ... | 33,624 | 6,817 | 27,293 | 1,173 | 6 | 8,026 | 361 | 1,518 | 5 4 7 |
| | Totals up to date ... | 4,17,016 | 98,477 | 3,50,422 | 11,483 | 109 | 1,10,069 | 347 | 21,746 | 5 1 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded.

1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. .. | 111,387 | 26,514 | 85,503 | 3,136 | 30 | 29,710 | 1,336 | 6,900 | 4 4 11 |
| 22·23 | First 1 day of Feb. ... | 5,716 | 1,497 | 2,876 | 121 | 0 | 1,618 | 73 | 254 | 6 5 11 |
| 22·23 | Week ended 8th ,, ... | 57,513 | 16,164 | 20,135 | 847 | 11 | 17,022 | 766 | 2,988 | 5 2 5 |
| 22·23 | ,, ,, 15th ,, ... | 25,779 | 6,058 | 39,019 | 974 | 6 | 7,038 | 317 | 1,496 | 4 11 3 |
| 22·23 | ,, ,, 22nd ,, ... | 33,136 | 8,053 | 32,240 | 992 | 7 | 9,052 | 407 | 1,434 | 6 5 0 |
| 22·23 | ,, ,, 29th ,, ... | 27,651 | 6,422 | 38,413 | 1,167 | 9 | 7,598 | 342 | 1,496 | 5 1 5 |
| 22·23 | ,, ,, 7th March... | 52,829 | 14,739 | 15,153 | 676 | 6 | 15,421 | 694 | 1,886 | 8 2 10 |
| 22·23 | ,, ,, 14th ,, ... | 29,794 | 6,578 | 28,907 | 965 | 8 | 7,551 | 340 | 1,276 | 5 14 8 |
| 22·23 | ,, ,, 21st ,, ... | 29,738 | 7,049 | 28,701 | 1,202 | 11 | 8,262 | 372 | 1,440 | 5 12 5 |
| 22·23 | ,, ,, 28th ,, ... | 24,593 | 5,588 | 28,905 | 1,139 | 11 | 6,728 | 303 | 1,562 | 4 4 11 |
| 22·23 | ,, ,, 4th April ... | 29,495 | 7,792 | 31,513 | 1,226 | 9 | 9,027 | 406 | 1,502 | 6 0 2 |
| 22·23 | ,, ,, 11th ,, ... | 43,643 | 12,144 | 24,890 | 1,005 | 11 | 13,160 | 592 | 1,540 | 8 8 9 |
| | Totals up to date ... | 471,574 | 1,18,628 | 3,76,384 | 13,440 | 119 | 1,32,187 | 408 | 22,804 | 5 12 6 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for week ended 10th April 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 31,305 | 24,211 0 0 | 2,78,398 0 | 21,802 0 0 | 42 0 0 | 46,055 0 0 | 12,191 | 5,294 | 17,485 |
| Or per mile of railway ... ... | ..... | 149 1 11 | ..... | 134 4 6 | 0 4 8 | 283 10 7 | ... | ... | ... |
| For previous 13½ weeks of half-year | 353,795 | 2,68,207 0 0 | 37,43,177 0 | 2,52,132 0 0 | 581 0 0 | 5,20,920 0 0 | 161,694 | 67,784 | 229,478 |
| Total for 14½ weeks ... | 385,100 | 2,92,418 0 0 | 40,21,575 0 | 2,73,934 0 0 | 623 0 0 | 5,66,975 0 0 | 173,885 | 73,078 | 246,963 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 34,671 | 25,701 5 7 | 1,70,712 20 | 12,676 8 0 | 78 5 9 | 38,456 3 4 | 11,950 | 6,760 | 18,710 |
| Per mile of railway corresponding week of previous year. | ..... | 158 4 9 | ..... | 78 1 3 | 0 7 9 | 236 13 9 | ..... | ..... | ..... |
| Total for corresponding 14½ weeks of previous year. | 415,634 | 2,95,363 0 3 | 39,69,110 20 | 2,93,277 7 0 | 864 5 3 | 5,89,504 12 6 | 171,219 | 81,737 | 252,956 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. .. | 91,754 | 67,058 | 11,05,905 | 68,194 | 221 | 1,35,475 | 834 | 75,343 | 1 12 9 |
| 162·36 | First 6 days of Feb. ... | 20,000 | 17,311 | 2,41,7[illegible] | 15,394 | 28 | 32,732 | 202 | 14,501 | 2 4 1 |
| 162·36 | Week ended 13th ,, ... | 26,107 | 19,134 | 2,80,[illegible]88 | 19,038 | 40 | 38,210 | 235 | 17,003 | 2 4 0 |
| 162·36 | ,, ,, 20th ,, ... | 25,491 | 18,405 | 2,82,668 | 19,639 | 40 | 38,084 | 235 | 17,503 | 2 2 10 |
| 162·36 | ,, ,, 27th ,, ... | 23,376 | 22,364 | 2,58,054 | 17,481 | 42 | 39,887 | 246 | 16,785 | 3 6 0 |
| 162·36 | ,, ,, 6th March | 30,816 | 21,715 | 3,00,367 | 20,986 | 40 | 44,741 | 263 | 17,556 | 2 6 11 |
| 162·36 | ,, ,, 13th ,, ... | 29,965 | 24,314 | 3,31,583 | 22,888 | 43 | 47,245 | 291 | 16,743 | 2 13 2 |
| 162·36 | ,, ,, 20th ,, .. | 32,976 | 24,893 | 3,20,793 | 23,073 | 43 | 48,009 | 301 | 18,350 | 2 10 8 |
| 162·36 | ,, ,, 27th ,, ... | 32,322 | 27,924 | 2,88,869 | 21,718 | 43 | 49,685 | 306 | 18,173 | 2 11 9 |
| 162·36 | ,, ,, 3rd April . | 31,988 | 25,083 | 3,26,930 | 23,820 | 42 | 47,945 | 295 | 17,515 | 2 11 10 |
| 162·36 | ,, ,, 10th ,, .. | 31,305 | 24,211 | 2,78,398 | 21,802 | 42 | 46,055 | 284 | 17,485 | 2 10 2 |
| | Totals up to date ... | 385,100 | 2,92,418 | 40,21,575 | 2,73,934 | 623 | 5,66,975 | 324 | 246,963 | 2 4 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 106,457 | 60,564 | 11,46,903 | 78,637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | First 4 days of Feb. ... | 3,599 | 2,424 | 35,386 | 2,719 | 8 | 5,151 | 32 | 2,444 | 2 1 9 |
| 162·36 | Week ended 8th ,, ... | 23,763 | 18,006 | 2,74,281 | 18,735 | 65 | 36,806 | 227 | 16,996 | 2 2 9 |
| 162·36 | ,, ,, 15th ,, ... | 26,118 | 17,428 | 2,75,384 | 17,463 | 31 | 34,922 | 215 | 16,810 | 2 1 3 |
| 162·36 | ,, ,, 22nd ,, . | 28,591 | 20,404 | 2,19,444 | 21,138 | 48 | 41,590 | 256 | 16,709 | 2 7 10 |
| 162·36 | ,, ,, 29th ,, ... | 28,845 | 19,137 | 2,83,522 | 21,905 | 59 | 40,901 | 251 | 17,147 | 2 6 1 |
| 162·36 | ,, ,, 7th March . | 30,611 | 19,722 | 2,91,091 | 23,694 | 52 | 43,468 | 268 | 16,726 | 2 9 1 |
| 162·36 | ,, ,, 14th ,, .. | 31,305 | 21,962 | 2,96,264 | 20,569 | 47 | 42,578 | 262 | 17,542 | 2 0 10 |
| 162·36 | ,, ,, 21st ,, ... | 30,501 | 22,680 | 2,93,281 | 22,085 | 55 | 44,820 | 276 | 17,748 | 2 8 5 |
| 162·36 | ,, ,, 28th ,, .. | 31,879 | 26,489 | 2,39,473 | 17,143 | 60 | 43,692 | 269 | 17,659 | 2 7 8 |
| 162·36 | ,, ,, 4th April .. | 37,359 | 31,846 | 4,49,419 | 36,813 | 94 | 68,753 | 423 | 18,882 | 3 10 3 |
| 162·36 | ,, ,, 11th ,, . | 34,671 | 25,701 | 1,70,712 | 12,677 | 78 | 38,456 | 237 | 18,710 | 2 0 11 |
| | Totals up to date .. | 415,634 | 2,95,363 | 39,69,111 | 2,93,378 | 864 | 5,89,505 | 240 | 252,956 | 2 5 3 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 10th April 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 59,000 | 45,000 0 0 | 3,55,000 0 | 41,000 0 0 | 4,500 0 0 | 90,500 0 0 | 14,937 | 18,925 | 33,862 |
| Or per mile of railway ... ... | 76·82 | 58·59 | 460·44 | 53·18 | 5 84 | 117·61 | 19·45 | 24·65 | 44·00 |
| For previous 14 weeks of half-year ... ... ... | 1,011,525 | 6,44,424 0 0 | 4,832,064 0 | 5,72,650 0 0 | 67,463 0 0 | 12,84,537 0 0 | 190,269 | 264,958 | 455,227 |
| Total for 15 weeks ... | 1,070,525 | 6,89,424 0 0 | 5,187,064 0 | 6,13,650 0 0 | 71,963 0 0 | 13,75,037 0 0 | 205,206 | 283,883 | 489,089 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... .. | 86,540 | 48,737 0 0 | 291,868 0 | 35,439 0 0 | 11,288 0 0 | 95,464 0 0 | 16,184 | 20,609 | 36,793 |
| Per mile of railway corresponding week of previous year ... | 112·68 | 63 46 | 378 56 | 45·96 | 14·64 | 123·06 | 21·07 | 26·73 | 47 80 |
| Total to corresponding date of previous year ... ... .. | 1,054,894 | 7,17,629 0 0 | 3,900,680 0 | 5,55,891 0 0 | 74,635 0 0 | 13,48,155 0 0 | 236,176 | 297,303 | 533,479 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway*

| Receipts for week ending 10th April 1909. | | | Receipts for week ending 11th April 1908. | | | Total receipts from 1st April 1909 to 10th April 1909. | | | Total receipts from 1st April 1908 to 11th April 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 90,500 | 117·61 | 771 | 95 464 | 124·06 | 771 | 1,28,2[illegible] | ... | 771 | 1,41,539 | ... | ..... | [illegible] |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 10th April 1909 on 1,827 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs (a) | Mds. | Rs. (b) | Rs. | Rs. | | (c) | |
| Total traffic for the week on 1,827 miles open. ... ... | 328,440 | 1,32,180 | 1,270,180 | 1,67,860 | 28,500 | 3,28,480 | 58,159 | 45,325 | 103,484 |
| Or per mile of railway ... ... | 179·77 | 72·35 | 697·42 | 91·84 | 15·60 | 179·79 | ..... | ..... | ..... |
| For previous 13½ weeks of half-year (d) ... ... ... ... | 4,484,7[illegible] | 18,47,777 | 16,037,003 | 24,18,714 | 3,26,695 | 45,93,186 | 768,351 | 652 763 | 1,421,114 |
| Total for 14½ weeks ... ... | 4,813,001 | 19,79,957 | 17,367,183 | 25,86,514 | 3,55,195 | 49,21,666 | 826,510 | 698,088 | 1,524,598 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... ... ... ... ... | 437,970 | 1,99,221 | 1,124,762 | 1,52,051 | 28,074 | 3,80,246 | 58,540 | (e) 46,034 | 104,074 |
| Per mile of corresponding week of previous year ... ... ... | 243·72 | 110 86 | 625·91 | 85·12 | 15·62 | 211·60 | ... | ..... | ..... |
| Total to corresponding date of previous year ... . .. | 4,698,273 | 20,71,134 | 17,763,823 | 24,59,982 | 3,47,523 | 48,78,639 | 830,634 | 691 948 | 1,522,58[illegible] |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... . | | 2·27 | | 3·70 | ·28 | 3 17 | | | |
| Ditto for corresponding week of previous year ... ... | | 3·32 | | 3·43 | ·27 | 3 65 | | | |

(a) Decrease chiefly under passengers due to Ram Naumi melas held earlier this year.
(b) Increase mainly under local and foreign outward.
(c) Includes 0,432 miles of ballast trains.
(d) Ditto Audited figures for the month of January 1909.
(e) Ditto 4,774 miles of ballast trains.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the period week 17th April 1909 ... | Coaching ... | 12,967 | 0 | 0 | 23,992 | 0 | 0 |
| | Goods ... | 10,959 | 0 | 0 | | | |
| | Other earnings ... | 66 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 11,558 | 0 | 0 | 23,924 | 0 | 0 |
| | Goods ... | 12,295 | 0 | 0 | | | |
| | Other earnings ... | 71 | 0 | 0 | | | |
| | Increase ... | | | | 68 | 0 | 0 |
| Receipts per mile for the week ending 17th April 1909 ... | | | | | 470 | 6 | 11 |
| Ditto for the corresponding period of 1908 ... | | | | | 469 | 1 | 7 |
| | Increase ... | | | | 1 | 5 | 4 |
| Receipts from 1st January to 17th April 1909 ... | | | | | 2,53,772 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | | | | | 2,40,028 | 0 | 0 |
| | Increase ... | | | | 13,744 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 28th April 1909.

REGISTERED No. C 209.)

No. 18 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, MAY 5, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Liberality of Babus Hem Chandra Bose and Jotish Chandra Bose ... | 681 |
| Resolution on the Howrah Bridge Budget Estimate for the year 1909-1910 ... | 682 |
| Widening of Chowringhee Road ... | 683 |
| Preliminary Forecast of the early variety of the Sesamum crop of Bengal for the year 1909 ... | 684—688 |
| Report on the Bruce Institution for the year 1908 ... | 689—691 |
| Weather and Crop Report for the week ending the 3rd May 1909 ... | 692—697 |
| Area leased for Irrigation up to end of March 1909 ... | 698—699 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 1st May 1909 ... | 700 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 25th April to 1st May 1909 ... | 701 |
| Railway Returns ... | 702—708 |

## LIBERALITY OF BABUS HEM CHANDRA BOSE AND JOTISH CHANDRA BOSE.

No. 69T.—Medl., dated Darjeeling, the 27th April 1909.

From—H. WHEELER, Esq., Offg. Secy. to the Govt. of Bengal, Municipal Dept.,
To—The Inspector-General of Civil Hospitals, Bengal.

THE Lieutenant-Governor has been informed that Babus Hem Chandra Bose and Jotish Chandra Bose, M.A., B.L., of 24, Roy Bagan Street, Calcutta, have made a donation of Rs. 10,000 in ten 4 per cent. Municipal Debentures of Rs. 1,000 each, yielding a half-yearly income of Rs. 200 which they have deposited with the Superintendent of the Campbell Medical School and Hospital, Sealdah, for the creation of a fund, to be called the "Basanta Bose's Fund" in memory of their brother, the late Babu Basanta Kumar Bose, Solicitor of the High Court, for the relief of pauper patients discharged from the Campbell Hospital. The intention of the donors is that the interest derived from the debentures should be devoted to providing as many pauper patients as the income will allow, on discharge from the Hospital, with diet money for four days at the rate of four annas a day, the Superintendent of the Campbell Hospital being empowered to raise the allowance at his discretion, in cases of extreme distress.

2. I am to request that you will be so good as to convey to the donors through the Superintendent of the Campbell Medical School and Hospital, the cordial acknowledgments of Government for their liberality and public spirit. The money should be deposited with the Accountant-General, Bengal, and a trust fund should be created with it, to be called the "Basanta Bose's Fund" for the purpose of providing diet-money to pauper patients on their discharge from the Campbell Hospital, the Superintendent of the Campbell Hospital being appointed the administrator of the Fund.

3. The Accountant-General, Bengal, will be asked to take the necessary steps to give effect to these orders.

## RESOLUTION ON THE HOWRAH BRIDGE BUDGET ESTIMATE FOR THE YEAR 1909-1910.

No. 1005Marine.

# Government of Bengal.

MARINE DEPARTMENT.

*Dated Calcutta, the 28th April 1909.*

RESOLUTION.

## Howrah Bridge Budget Estimate for the year 1909-1910.

READ—

Letter No. 12329, dated the 31st March 1909, from the Vice-Chairman of the Commissioners for the Port of Calcutta, submitting the Budget Estimate of the Howrah Bridge for the year 1909-1910.

RECEIPTS.

The receipts for the year 1909-1910 have been estimated at Rs. 2,30,600, against Rs. 2,34,000 the estimated receipts of the previous year. The decrease in the estimate is due to no provision having been made under the head "Contribution from Port Trust for use of the *Helvetia*," the vessel having been sold, and also to a diminution under "Miscellaneous receipts."

EXPENDITURE.

The expenditure has been estimated at Rs. 2,14,635, against Rs. 2,18,600 the estimate of the previous year. The decrease is chiefly under the heads "Establishment" and "Stores."

As a net result there is an estimated surplus of Rs. 15,965.

The Lieutenant-Governor sanctions the estimate under section 21 of Act IX (B.C.) of 1871.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary.*

## WIDENING OF CHOWRINGHEE ROAD.

No. 475M.P.I.

**Government of Bengal.**

PUBLIC WORKS DEPARTMENT.

M.s. Pub. Impvts.

*Dated Calcutta, the 4th May 1909.*

RESOLUTION.

The Lieutenant-Governor has had under his consideration a proposal, put forward by the Calcutta Corporation, for widening Chowringhee Road between the western end of Theatre Road and Lower Circular Road, as part of a larger scheme for widening the main southern thoroughfare which follows the line by Chowringhee and Russa Roads, between Theatre Road and Elgin Road. At present the total width of Chowringhee Road at Theatre Road junction is 66 feet, but south of that point it narrows considerably, and is reduced to about 39 feet at the crossing of Lower Circular Road. The width between the kerbstone of the eastern footpath of Chowringhee and the near tram line varies from 48 feet at Theatre Road to about 16 feet at Lower Circular Road.

It is proposed to widen the road to a uniform breadth of 66 feet right through to the Lower Circular Road crossing, and this will be effected by taking in from the Maidan a narrow strip of land measuring about 27 feet at the Circular Road crossing, and tapering away to *nil* at Theatre Road. The area to be taken in measures about one bigha in extent.

Eventually it is in contemplation to move the tram lines to the western edge of the new roadway, so as to give to ordinary traffic the full benefit of the increased width thus obtained. This, however, cannot be done at present, because of the large sum, estimated at about Rs. 27,500, claimed by the Tramway Company for shifting this portion of their line, a sum which neither the Local Government nor the Corporation feel justified in paying.

Even, however, without this transfer, it seems clear that the widening of the road and its adjustment to the level of the tram lines will afford substantial additional facilities for traffic.

Any encroachment on the Maidan, however trifling, is a matter of so much moment to the residents of Calcutta that the Lieutenant-Governor does not feel justified in proceeding with the project until the public have had an opportunity of expressing their views upon it. No action will therefore be taken for two months from this date, and within that period any person who may desire to make any representation on the subject is invited to do so.

By order of the Lieutenant-Governor of Bengal,

A. S. THOMSON,

*Secretary.*

## PRELIMINARY FORECAST OF THE EARLY VARIETY OF THE SESAMUM CROP OF BENGAL FOR THE YEAR 1909.

THE following note is published for general information.

F. W. DUKE,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 3rd May 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### PRELIMINARY FORECAST OF THE EARLY VARIETY OF THE SESAMUM CROP OF BENGAL FOR THE YEAR 1909.

[On an average of the five years ending 1906-07, the area under *til* in the territory to which this forecast relates has represented some 5·9 per cent. of the total area under this crop in British India.]

*Explanatory.*—This forecast deals with the preliminary estimates of the area and outturn of the early variety of the crop.

*Character of the season.*—Of the 24 districts in which the crop is cultivated Midnapore, Angul, Manbhum, Singhbhum, Jessore, Shahabad and Burdwan are most important. Sowings of this variety have been completed in the following nine districts :—Burdwan, Birbhum, Bankura, Midnapore, Howrah, Khulna, Saran, Puri and Manbhum. In the remaining districts sowings have been retarded through want of rain. The prospects of the crop are fair in these nine districts except in Birbhum and Howrah.

*Area sown.*—The area sown with the crop in the nine districts mentioned above amounts to 25,300 acres. The normal area in these districts is estimated at 29,000 acres. The full report on the general condition of the crop for the Province will be given in the second forecast which will be published in August next.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 17th April 1909.*

*The first forecast of the early variety of the* Til *crop for 1909-10.*

| District | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10) | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | | Acres. | Acres. | | |
| Burdwan .. | 1,721,999 | 1,234,200 | Beginning of March. | 3,300 | [illegible],200 | 3,000 | 100 | 100 | 85,906 | 1889-92 and 1903-04 to 1907-08. | *113 | Not time yet. | The decrease in the area sown is due to unfavourable weather. The condition of the crop is not so good for want of moisture. |
| Birbhum .. | 1,121,280 | 756,700 | Beginning of March. | 400 | 600 | 300 | 30 | 40 | 45,571 | 1889 to 1891 and 1906. | ..... | ..... | The weather and the general condition of the crop are not favourable owing to cessation of rain. The date of sowing was late. In some places sowing has not yet commenced for want of rain. |
| Bankura ... | 1,677,440 | 642,800 | 1st March | 2,700 | 3,000 | 2,500 | 50 | 80 | 16,466 | 1889 to 1902 and 1906-07. | Not known. | Not yet harvested. | The decrease in the area sown is due to want of rain during the sowing time. The condition of the crop is not also good. The date of sowing was normal. |

* Represents all kinds of *til*.

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the date of sowing was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Midnapore ... | 3,319,040 | 2,190,600 | January to March. | 13,800 | 10,600 | 12,500 | 67 | 65 | 35,342 | 1893 to 1898 | 110 | Not yet commenced. | Want of rain has been felt everywhere. The condition of the crop is fair. The date of sowing was normal in the Sadar subdivision and late in other subdivisions. |
| Hooghly ... | 761,810 | 445,900 | Not yet begun. | 1,000 | 1,000 | ... | 50 | ... | ... | ... | ... | ... | The weather has not been favourable. Sowings have not yet commenced for want of rain. Sowings will be late this year. |
| Howrah ... | 326,400 | 250,600 | January | 300 | 200 | 100 | 54 | 50 | ... | ... | ... | The harvesting will commence in May. | The condition of the crop is not favourable for want of seasonable rain. Hence the low outturn. The date of sowing was normal. |
| 24-Parganas ... | 3,100,533 | 1,068,700 | Not yet begun. | 100 | 100 | ... | 73 | ... | ... | ... | ... | ... | |
| Nadia ... | 1,787,520 | 1,043,900 | Not yet begun. | 200 | 500 | ... | 25 | ... | Not cadastrally surveyed | | | Not yet begun. | Sowings have not yet commenced. It generally begins here in April. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Murshidabad... | 1,371,520 | 995,500 | ... | 1,000 | 200 | ... | 67 | | ... | ... | ... | ... | |
| Jessore ... | 1,872,153 | 1,191,000 | ... | 4,600 | 3,300 | ... | 60 | | ... | ... | ... | ... | Sowings of the crop begin in April. |
| Khulna ... | 3,049,016 | 870,000 | 15th February. | 1,200 | 1,200 | 1,210 | 96 | 92 | 130,766 | 1903-04 to 1907-08. | 4 | Not yet commenced. | The weather and general condition of the crop are not favourable. The date of sowing was normal this year. The decrease in the outturn is due to want of rain. |
| Gaya ... | 3,015,680 | 2,118,100 | ... | 630 | 100 | ... | 75 | ... | ... | ... | ... | ... | |
| Shahabad ... | 2,800,843 | 1,843,600 | ... | 3,900 | 1,300 | . | 75 | ... | .. | ... | ... | ... | |
| Saran ... | 1,711,586 | 1,357,200 | End of November. | 400 | 500 | 1,000 | 75 | 71 | 1,633,435 | 1893 to 1901 | 553 | Not yet begun. | The weather was favourable. The general condition of the crop has been good. The date of sowing was normal. |
| Muzaffarpur ... | 1,642,400 | 1,027,600 | January | 300 | 200 | (20) | 62 | 37 | 1,942,400 | 1892-93 to 1898-99 | ... | Not yet commenced. | The crop is suffering from lack of moisture. The date of sowing was late. |
| Monghyr ... | 2,510,080 | 1,582,800 | ... | 00 | 800 | ... | 50 | .. | ... | ... | ... | ... | ... |
| Bhagalpur ... | 2,704,640 | 2,073,300 | Not yet commenced. | 2,400 | 2,700 | ... | 42 | ... | 1,057,900 | 1902-04 | 400 | ... | For want of rain the sowing of the crop has not yet commenced. |
| Cuttack ... | 2,338,560 | 1,223,500 | Not yet begun. | 1,700 | 1,500 | ... | 57 | ... | 2,088,437 | 1887-95 and 1899-01 | 761 | ... | The sowing of the early variety has not yet begun, hence the figures in Columns 7 and 9 are blank. |
| Balasore ... | 1,334,36 | 932,200 | Not yet begun. | 1,500 | 1,500 | ... | 95 | ... | 1,005,778 | 1891-92 to 1894-95 | ... | . | The sowing of the early variety has not yet begun hence the figures in columns 7 and 9 are blank. |

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represent the normal outturn, how much will represent this year's Outturn (1909-10)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the date of sowing was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Angul ... | 1,687,283 | 263,000 | Not yet begun. | 8,000 | 4,000 | ... | 50 | ... | ... | ... | ... | ... | |
| Puri ... | 1,599,360 | 750,200 | 2nd and 3rd week of December. | 600 | 500 | 700 | 55 | 77 | 1,274,790 | 1888-89 | 435 | 15th February to 15th March. | The condition of the crop is fair. The weather has been favourable. The date of sowing was normal. |
| Sambalpur ... | 2,447,360 | 845,300 | Not yet begun. | 2,000 | 2,000 | .. | 75 | ... | ... | ... | ... | .. | |
| Manbhum ... | 2,654,080 | 1,419,200 | March ... | 6,300 | 4,700 | 4,000 | 68 | 68 | Not cadastrally surveyed | | ... | Not yet begun. | The weather has been, on the whole favourable and the general condition of the crop is good. The date of sowing was rather late this year. Want of moisture has reduced the outturn. |
| Singbhum ... | 2,490,240 | 840,700 | ... | 6,500 | 6,500 | ... | 100 | ... | 1,761,984 | 1905-07 and 1900-02 | 3,223 | ... | |
| Total ... | 48,744,252 | 27,655,900 | ... | 63,400 | 58,900 | 25,300 (a) | 70 | 73 (a) | ... | ... | ... | ... | |

(a) Total of the figures for nine districts only in which sowings of the crop have been completed.

## REPORT ON THE BRUCE INSTITUTION FOR THE YEAR 1908.

### NOTIFICATION.

*No. 245T.G.—The 29th April 1909.*—The following is published for general information.

J. G. CUMMING,
*Offg. Secy. to the Govt. of Bengal.*

*Report on the Bruce Institution for the year 1908.*

I. *Control.*—(1) During the year under review Mr. A. Earle, C.I.E., Director of Public Instruction and *ex-officio* Governor and Honorary Secretary, Bruce Institution, was appointed Commissioner of the Patna Division, and was succeeded by Mr. G. W. Kitchler.

(2) The following gentlemen were appointed to be Governors during the year :—

(*a*) Sir D. M. Hamilton, Kt., *vice* Mr. T. McMorran, resigned.
(*b*) The Revd. D. H. Manley, *vice* the Revd. Titus Lowe, resigned.

(3) The following is a list of the Governors holding office at the close of the year :—

The Hon'ble the Chief Justice of Bengal,
The Most Revd. the Lord Bishop of Calcutta,
The Chairman of the Calcutta Municipality,
The Inspector-General of Civil Hospitals,
The Director of Public Instruction (Honorary Secretary), } *Ex-officio.*
The Hon'ble Mr. Justice Brett, C.S.I.
Sir D. M. Hamilton, Kt.
E. Upton, Esq., Barrister-at-law.
The Ven'ble Archdeacon Luckman.
The Revd. Father A. Van de Mergel, S.J.
The Revd. D. H. Manley.
N. L. Hallward, Esq.

II. *Capital and Income.*—The capital of the Institution stood, as in the previous year, at Rs. 10,51,200, of which Rs. 10,46,200 are in the form of a 3½ per cent. stock certificate of the year 186[illegible]. The balance, *viz.*, Rs. 5,000, is invested in 3½ per cent. Government Securities. The annual interest on the capital amounts to Rs. 36,792. The year opened with a balance of Rs. 19,628-4-1 and closed with a balance of Rs. 925-8-10. The reason why the closing balance was unusually small is that the second half-yearly interest of Rs. 18,396 for the year, which is generally received in December, was not received till January 1909.

III. *Election to vacancies, etc.*—(1) The annual election of foundationers was held in the month of January as usual. For the 12 vacancies advertised 47 applications were received, but four vacancies having subsequently occurred, 16 girls were elected on the recommendation of a sub-committee consisting of the Ven'ble Archdeacon Luckman, the Revd. Father A. Van de Mergel, the Revd. D. H. Manley and Mr. N. L. Hallward. Of the girls elected seven were placed in the Loreto Convent, Entally (six in the boarding school and one in the orphanage), seven in the Calcutta Girls' High School, one in the Pratt Memorial School and one St. Paul's Mission Home.

(2) Of the 12 girls who were withdrawn during the year, nine had attained the age of 17 years, the limit ordinarily allowed under the rules; two were withdrawn before they had attained that age and one girl died.

(3) Of the girls who were withdrawn and in respect of whom reports have been received, one passed the Entrance Examination of the Calcutta University and has joined the Training College for Teachers at Kurseong, another is learning shorthand, type-writing, needle work and home nursing, another is learning shorthand and type-writing, while two others intend doing the same. Another girl, after her withdrawal from the Bruce Fund, has been

kept on in the school where she was educated and endeavours are being made by the school authorities to find her a suitable employment.

At the close of the year, there were 142 girls on the foundation against 144 in the preceding year. They were distributed as follows :—

| | | |
|---|---|---|
| Loreto Convent, Entally— | | |
| Boarding School ... ... .. | 31 | 60 |
| Orphanage ... ... ... ... | 29 | |
| Calcutta Girls' High School ... ... ... | | 41 |
| Pratt Memorial School .. ... .. | | 15 |
| La Martinière for Girls ... ... ... | | 9 |
| St. Paul's Mission Home ... ... ... | | 7 |
| Calcutta Free School ... ... ... | | 6 |
| Old Church Parochial Home ... ... ... | | 3 |
| Girls' High School, Allahabad ... ... ... | | 1 |
| | | 142 |

(4 The following table affords particulars as to the class and religion of the girls on the foundation at the close of the year :—

| Class. | Roman Catholics. | Church of England. | Non-Conformists. | Total. |
|---|---|---|---|---|
| 1. Orphans, or deserted by parents ... | 20 | 10 | 13 | 43 |
| 2. Fatherless, or deserted by their fathers, or those whose fathers were incapable. | 40 | 26 | 20 | 86 |
| 9. Having father or both parents alive. | 2 | 4 | 7 | 13 |
| Total ... | 62 | 40 | 40 | 142 |

IV. *Education and maintenance.*—(1) The nature of the education imparted to the girls on the foundation is generally that prescribed for Primary and Middle Schools for Europeans. In exceptional cases a higher education is given.

Parents and guardians are generally given the choice of any school for the education of their children or wards, provided that such a school has been approved by Government as suitable. A sum of Rs. 21-8 or Rs. 16 a month is paid for the education and maintenance of each foundationer in a boarding school or an orphanage, as the case may be. The question of the revision of these allowances in view of the dearness of provisions is still engaging the attention of the Governors. A sum of Rs. 40 or of Rs. 25 is also allowed for each foundationer for an outfit on joining a boarding school or an orphanage, as the case may be. Under the rules a girl is not ordinarily allowed to remain on the fund after she has attained the age of 17 years, when an outfit grant of Rs. 50 is given to enable her to make a start in life. If, however, a girl elects to take up teaching as a profession, an extension is generally allowed. One such extension was granted during the year. Short extensions not exceeding a few months, are also allowed to enable foundationers to appear at the examinations prescribed under the Code of Regulations for European Schools or at the Cambridge Local Examinations. One such extension was granted during the year. Another girl, who is an orphan, was granted a short extension up to the end of the year to enable the school authorities to find her some suitable employment.

(2) The average monthly cost of the education and maintenance of each girl on the fund amounted to Rs. 19-3-9 as against Rs. 19-5-3 in the preceding year.

(3) The total amount paid under the different heads of expenditure was—

| 1907. | Rs. | A. | P. | 1908. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Education and maintenance | 34,629 | 4 | 0 | Education and maintenance | 34,829 | 0 | 0 |
| Office establishment ... | 968 | 7 | 11 | Office establishment ... | 846 | 0 | 0 |
| Contingencies ... | 26 | 14 | 0 | Contingencies ... | 22 | 4 | 0 |
| Advertisement and Printing | 213 | 2 | 9 | Advertisement and Printing | 236 | 6 | 11 |
| Outfits ... ... | 1,595 | 0 | 0 | Outfits ... ... | 1,160 | 0 | 0 |
| Other charges ... | 59 | 12 | 0 | Other charges ... | 46 | 12 | 0 |
| Total ... | 37,492 | 8 | 8 | Total ... | 37,140 | 6 | 11 |

V. *Inspection.*—Mr. N. L. Hallward was appointed Visiting-Governor for the first half, and the Revd. D. H. Manley for the second half, of the year. Their reports on the whole were satisfactory.

VI. *Meetings of the Governors.*—Four meetings were held during the year, and among the various resolutions passed the following may be noted :—

That, where possible, wards should be sent to schools outside Calcutta and that the Governors should avail themselves of St. Andrew's Colonial Homes, Kalimpong, and the Protestant European Orphanage, Cuttack.

CALCUTTA,
*The 22nd March 1909.*

G. W. KÜCHLER,
*Honorary Secretary, Bruce Institution.*

## WEATHER AND CROP REPORT.

*For the week ending the 3rd May 1909*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·82 | 9 | 9 | Rainfall sufficient and general. Weather hot. Ploughing and manuring of lands for *kharif* crops going on. Sowing of jute and *aus* paddy commenced. Cattle-disease reported in some places at the Sadar subdivision. Fodder and water and food-stocks sufficient. |
| 2 | BIRBHUM ... | 0·81 | 9½ | 9½ | Rainfall at Rampur Hât 0·97 inch. Weather hot. Common rice selling at 9 seers per rupee at Rampur Hât. Fodder and water sufficient. |
| 3 | BANKURA ... | 0·19 | 10½ | 10½ | Rainfall at Vishnupur 1·38 inches. Weather seasonable. Lands being ploughed and manured. Planting of sugarcane going on. Fodder and water sufficient Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 1·85 | 10 | 10 | Rainfall at Contai 0·30, at Tamluk 2·48 and at Ghatal 2·20 inches. Sowing of autumn rice and planting of sugarcane continuing. Prospects of late cotton and *rabi* crops fair except in the Tamluk subdivision. Cattle-disease in thanas Mahanpur, Salbani, Jhargaon and Binpur. Fodder and water sufficient. Common rice selling at 11 seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·58 | 8 | 9 | Weather seasonable. Stocks of food-grains sufficient. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. Lands being prepared for cultivation. |
| 6 | HOWRAH ... | 2·33 | 8½ | 8½ | Sowings of *aus* paddy and jute commenced. Lands being prepared for winter rice. Harvesting of *boro* paddy going on. Condition of agricultural stock fair. Fodder and water sufficient. No cattle-disease reported. |
| 7 | 24-PARGANAS | 1·24 | 9½ | 9½ | Weather seasonable. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Basirhat and at Diamond Harbour and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 3·06 | 8 9/16 | 8 7/16 | Rainfall at Kushtia 1·16, at Chuadanga 0·67, at Meherpur 1·06 and at Ranaghat 0·67 inches. Sowing of *bhadoi* paddy and jute going on briskly. Prices of staple food-grains slightly fallen. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Karimpore, Gangani and Tehatta. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 0·25 | 9 | 9 | Little rain during the week. Weather hot. Lands being cultivated for *aus* and *aman* paddy. *Aus* paddy already sown in many places. Condition of agricultural stock good in the Lalbagh subdivision, and fair at the Kandi subdivision. Planting of sugarcane going on at the Kandi subdivision. *Til* somewhat damaged by hail in Burwan. Fodder and water sufficient, but scarcity of drinking-water still felt in Sagardighi and Bhagwangola thanas. |
| 10 | JESSORE ... | 1·54 | $9\frac{3}{16}$ | $9\frac{5}{16}$ | Rainfall at Jhenidah 1·76, at Magura 0·09, at Narail 0·93 and at Bangaon 1·90 inches. Weather seasonable. Fall general. Sowing of paddy and jute going on. More rain wanted in the Jhenidah subdivision. Fodder and water insufficient at places. Cattle-disease reported from Jhenidah. Condition of agricultural stock good. |
| 11 | KHULNA ... | 1·97 | 10 | 10 | Rainfall at Bagirhat 1·74 and at Satkhira 0·94 inches. Weather seasonable. Price of staple food-grains stationary. Stocks of food-grains sufficient till next harvest. No apprehension of famine. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 12 | PATNA ... | 0·16 | 9<br>14* | 9<br>$14\frac{3}{4}$* | Weather cool and cloudy. Some good done to the cultivation of *makai* and *cheena* crops by recent rain. Sugarcane doing well. Lands being prepared for *bhadoi* crops. Condition of agricultural stock fair. Stray cases of cattle-disease reported from one police-station. Fodder and water available. |
| 13 | GAYA ... | 0·58 | $10\frac{1}{16}$<br>$13\frac{5}{16}$* | $9\frac{3}{4}$<br>13* | Weather hot. Sugarcane and *cheena* promising well. Fodder and water for cattle sufficient, except in Nawadah and Aurangabad. Cattle-disease reported from the Jehanabad and Aurangabad subdivisions. |
| 14 | SHAHABAD ... | 0·28 | $9\frac{1}{2}$<br>15* | $9\frac{1}{2}$<br>15* | Rainfall at Buxar 0·20 at Saseram 0·83, at Bhabhua 1·68 and at Dehri 0·56 inches. Planting of sugarcane and threshing of *rabi* crops continuing. Sugarcane and *cheena* crop doing well. Prices of food-grains stationary. Food-stocks under normal. Agricultural stock in normal condition. Fodder and water sufficient. Cattle-disease reported from Chenari thana. |
| 15 | SARAN ... | 0·37 | $9\frac{3}{4}$<br>$13\frac{1}{2}$* | 10<br>14* | Weather seasonable. Threshing of *rabi* crops resumed. Standing crops good. Gathering of cotton commenced. Sowing of *cheena* and planting of sugarcane finished. Lands being prepared for *bhados* paddy. Prices of staple food-crops stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. This week. | Price of common rice in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 1·61 | 9<br>15½* | 8¾<br>15½* | Rainfall at Bettiah 1·72 inches. Weather hot. Cessation of rain since 30th beneficial. Threshing of *rabi* crops approaching completion. Fields being prepared briskly. *Cheena*, *kodo* and *aus* paddy being sown in places. Condition of agricultural stock fair. Fodder and water sufficient. Cattle-disease in two villages in thana Shikarpur. |
| 17 | MUZAFFARPUR | 0·96 | 9<br>14* | 9<br>15* | Weather hot and occasionally cloudy. Rainfall general throughout the district. Rainfall at Sitamarhi 1·77 and at Hajipur 1·48 inches. Common rice and maize selling at 8 and 13¾ seers a rupee, respectively, at Sitamarhi and at 8¼ and 13 seers a rupee respectively, at Hajipur. Cattle-disease reported in Katra thana. Fodder now sufficient. Water-supply somewhat improved. Sowings of early *bhadoi* in progress. Scarcity existing in parts of the Sitamarhi subdivision. Number of persons on test-works on the 29th April—15 men, 40 women and 10 children—total 65 One work stopped by rain. Number of persons gratuitously relieved and in poor-houses—1,807. Considerable field work provided for the labouring classes by the recent rain. |
| 18 | DARBHANGA ... | 0·30 | 8½<br>13* | 8½<br>13* | Weather seasonable. Ploughing of lands and sowing of crops in progress. Food-stocks sufficient. Water scarcity much reduced owing to recent rainfall. Fodder available. Cattle-disease in nine villages, but necessary measures being taken to prevent it. Number of persons on relief-works on the 29th ultimo—32,860, showing a large and satisfactory reduction. The number of persons gratuitously relevied—24,815, also a reduction under head "Children's kitchens at works." The decrease due to rainfall coupled with rising of wage basis in the Sadar subdivision. *Makai* selling at 13 seers per rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | 0·53 | 8½<br>13* | 8½<br>13½* | Weather seasonable. Lands being ploughed for *bhadoi* crops. Prices of staple food-grains stationary. Cattle-disease reported from Gogri and Khagaia thanas and from the Begusarai subdivision. Scarcity of fodder and water disappearing in the Jamui subdivision. |
| 20 | BHAGALPUR ... | 0·17 | 8¼<br>13¾* | 8¼<br>13⅞* | Weather seasonable. Much good done to agricultural operations by the recent rain. Harvesting of *rabi* crops finished. No cattle-disease reported. Fodder and water sufficient. Condition of agricultural stock good. Prices of staple food-grains stationary in the Sadar and Banka subdivisions, slightly fallen in the Madhipura subdivision and risen in the Supaul subdivision. 130 men, 305 women and 351 children—total 786 relieved gratuitously in the Madhipura subdivision and 531 men, 2,065 women and 2,760 children—total 5,356—in the Supaul subdivision. 48 men, 127 women and 41 children—total 216 on test-works in the Madhipura subdivision, and 226 men, 207 women and 56 children—total 489—in the Supaul subdivision, besides a large number on private works. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | 0·62 | 10† / 12½* | 10† / 12½* | Rainfall at Kishenganj 3·13, at Araria 1·28 and at Forbesganj 4·47 inches. Weather cloudy throughout the week. Agricultural operations in full swing. *Bhadoi* crops and jute being sown briskly. Scarcity of fodder and water gradually disappearing. Agricultural loans being liberally given. Condition of agricultural stock fair. Cattle-disease reported from Katihar, Kadwa and Dhamdaha thanas. Stocks of food-grains sufficient due to imports. 151 men, 248 women and 4 children—total 403—relieved gratuitously from private funds. Common rice (local) selling at 8 seers a rupee at the Sadar, Araria and Kishanganj subdivisions. |
| 22 | DARJEELING ... | 2·88 | 8 / 14* | 8 / 14* | Weather seasonable. Hills—Wheat and barley being harvested. Maize and potatoes growing. Terai—Cultivation of lands for *bhadoi* paddy going on. Sowings of jute in progress. Prospects fair. Prices stationary. Agricultural stock in good condition. |
| 23 | SONTHAL PARGANAS. | 1·71 | 9⅝ / 12⅜* | 10⅛ / 12¼* | Rainfall at Deoghur 1·47, at Godda 1·21, at Jamtara 0·71, at Pakour 0·51 and at Rajmahal 0·43 inches. Weather cloudy. Outturn of *mahua* good. Prices of staple food-grains stationary. Stocks of food-grains likely to last till next harvest. Fodder and water sufficient. |
| 24 | CUTTACK ... | 0·30 | 10½ | 10½ | *Achoora* cotton growing. Lands being ploughed. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·25 | 11½ | 11½ | Rainfall at Bhadrak 2·32 inches. Weather seasonable. Ploughing of fields and planting of sugarcane continuing. Harvesting of *dalua* nearly finished. Vegetables doing well. Fodder and water and food-stocks sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 0·91 | 15 | 15 | Rainfall at Phulbani 3·78 inches. Weather hot. Ploughing of lands for sowing of *bhadoi* crops in progress. Condition of agricultural stock good. Fodder and water sufficient. |
| 27 | PURI ... | 0·07 | 9 1/16 | 10½ | Rainfall at Khurda 1·42 inches. Sugarcane thriving. Cotton in pods. *Dalua* paddy and castor being harvested. Cattle-disease reported from Khurda and Chowbiskud Chaklas. Common rice selling at 10½ seers per rupee at Khurda. 24 men, 115 women and 227 children—total 366—attending kitchens; 12 men, 157 women and 6 children—total 175—receiving gratuitous relief. One out of three kitchens closed from the end of the month. |
| 28 | SAMBALPUR ... | 0·99 | 12 | 12½ | Weather occasionally cloudy. Fields being ploughed for the sowing of *kharif* crops. Sugarcane plants being manured and watered. Condition of vegetables good. Rinderpest in both the *tahsils* and foot-and-mouth disease in the Sadar *tahasil* only. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Common rice selling at 14⅝ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 1·16 | 8¾ / 12* | 8½ / 12* | Standing crops good. Fodder and water and food-stocks sufficient. Cattle-disease in one thana. |
| 30 | RANCHI ... | 0·22 | 9 | 9 | Weather hot and cloudy. Ploughing facilitated by the recent rain. Standing crops doing well. Cattle-disease reported from eleven thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | 1·41 | 8 7/16 | 9 | Weather cloudy. Threshing of *rabi* crops in progress. Sugarcane doing well. Fodder and water available. Some cattle-disease. 220 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 0·11 | 10½ | 11 | Rainfall at Dhanbaid 1·09 inches. Weather hot. State of standing crops good. Outturn of wheat estimated at 66 per cent. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 1·21 | 9 | 9½ | Weather hot. Fields being prepared for early rice. Condition of cattle good. Fodder and water sufficient. Common rice selling at 10 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 2·33 | 8 | 8 | Weather seasonable and cloudy. Sowing of jute and weeding of *bari* paddy continuing. Condition of standing crops favourable. Prices of staple food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | |

| Name of State. | Rainfall in inches. |
|---|---|
| Nilgiri ... | ... 1·62 |
| Rairakhol ... | ... 2·75 |
| Patna ... | ... 2·13 |
| Sonpur ... | ... 1·25 |
| Kalahandi ... | ... 4·82 |
| Gangpur ... | ... 1·79 |
| Mayurbhanj ... | ... 4·31 |
| Athgarh ... | ... 0·83 |
| Nayagarh ... | ... 1·53 |
| Dhenkanal ... | ... 0·12 |
| Ranpur ... | ... 1·45 |
| Bonai ... | ... 2·23 |
| Hindol ... | ... 1·20 |
| Athmallik ... | ... 3·75 |
| Baud ... | ... 2·55 |
| Talcher ... | ... 2·90 |
| Baramba ... | ... 3·62 |
| Keonjhar ... | ... 1·54 |
| Pal-Lahara ... | ... 4·03 |
| Daspalla ... | ... 2·90 |
| Khandpara ... | ... Good rain for four days during the week. |

Weather hot and sometimes rainy. Harvesting of *dalua* paddy going on in Narsingpur. Preparation of lands for next season's crops in progress in all States. Sowing of low-land paddy commenced in Keonjhar and Pal-Lahara. State of sugarcane good in Athgarh, Nayagarh, Dhenkanal, Ranpur, Hindol, Athmallik, Baud, Talchar, Baramba and Narsingpur. Fodder and water sufficient. Price of rice varying from 9 seers in Keonjhar and 12 seers in Khandpara, Narsingpur and Mayurbhanj, to 17 seers in Patna and 18 seers in Talcher.

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 24th April 1909.

GENERAL SUMMARY.—Rain was general all over the Province. The fall was fairly moderate in parts of the Presidency, Bhagalpur, Orissa and Chota Nagpur Divisions and also in Bankura, Midnapore, Howrah, Champaran and Cooch Behar. Preparation of lands for the autumn crops is in progress. Sowings of jute and other early crops have commenced. The price of common rice has risen in Hooghly, Jessore, Saran, the Sonthal Parganas, Puri, Sambalpur, Palamau, Manbhum and Singhbhum, has fallen in Nadia, Gaya, Champaran and Hazaribagh and has been stationary in the remaining districts. Cattle-disease is reported from Burdwan, Midnapare, Nadia, Jessore, Monghyr, Purnea, Puri, Sambalpur, Hazaribagh, Ranchi, Palamau and the Patna and Tirhut Divisions, Saran excepted. Insufficiency of fodder and water is still reported from parts of Jessore and Gaya. The water scarcity in North Bihar is disappearing owing to recent good rain. The number of persons on test-works in Muzaffarpur and Bhagalpur was 770, and the famine relief works in Darbhanga were attended by 32,860 persons. 33,928 persons were relieved gratuitously in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 4th May 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1908-09.

*Area leased for irrigation up to end of March 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilized. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1908-09. During month. | Up to end of month. | Rainfall, 1907-08. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system... ... ... | 1,342 | 27 | 20 | 75,427 | 74,628 | 75,301 | 2 | 18 | 33 | 3 | 56 | 75,447 | 0·00 | 69·73 | 0·81 | 71·97 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 418 | 264 | 102,374 | 98,514 | 100,364 | 13 | 1,782 | ... | 15 | 2,010 | 102,374 | 0·00 | 57·06 | 2·32 | 76·85 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 86 | 32 | 27,934 | 28,759 | 27,668 | 3 | 960 | 5 | ... | 968 | 28,636 | 0·15 | 52·96 | 1·15 | 64·49 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto. Range II ... ... | 728 | 83 | 9 | 5,437 | 5,486 | 5,429 | ... | 199 | ... | ... | 199 | 5,628 | 0·00 | 34·11 | 1·51 | 55·03 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jaipur Canal ... ... ... ... | 700 | 149 | 147 | 23,489 | 22,092 | 21,056 | 40 | 2,227 | 5 | 4 | 2,276 | 23,332 | 0·00 | 51·59 | 2·47 | 63·95 | Jajpur. |
| | | Dudhai Canal ... ... ... | 200 | 63 | 63 | 2,521 | 582 | ... | ... | 2,310 | ... | ... | 2,310 | 2,310 | ... | ... | ... | ... | |
| | Balasore ... | High Level, Range III ... .. | 728 | 62 | 8 | 45,699 | 46,241 | 45,108 | ... | 133 | 422 | 7 | 562 | 45,760 | 0·00 | 39·72 | 1·36 | 60·90 | Akhoyapada. |
| | | Total Orissa Canals ... | . | ... | ... | 282,901 | 282,772 | 275,106 | 58 | 7,829 | 465 | 29 | 8,381 | 283,487 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 273,781 | 836 | 13,042 | 611 | 15 | 14,504 | 288,285 | ... | ... | ... | ... | |
| South-Western | Midnapore ... | Midnapore ... ... ... | 1,411 | 60 | ... | 58,080 | 57,021 | 58,388 | ... | ... | ... | ... | ... | 58,388 | 0·04 | 59·01 | 0·05 | 55·21 | |
| | | Panchkura ... ... ... | 522 | 9 | 3 | 5,028 | 5,056 | 5,252 | ... | ... | ... | ... | ... | 5,252 | 0·00 | 48·74 | 0·13 | 46·88 | |
| | Howrah ... | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | 45 | ... | ... | ... | ... | ... | ... | ... | 0·00 | 64·25 | 0·04 | 55·12 | |
| | | Total Midnapore Canal .. | ... | ... | ... | 63,138 | 62,122 | 63,640 | ... | ... | ... | ... | ... | 63,640 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | . | ... | 60,877 | ... | ... | ... | 60,877 | 60,877 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... ... | 1,000 | 37 | 37 | 20,477 | 21,933 | 19,873 | 595 | 9 | .. | ... | 604 | 20,477 | 0·00 | 65·33 | 0·00 | 45·44 | |
| | | Total of the corresponding period of last year | . | .. | ... | ... | ... | 20,248 | 1,139 | 13 | 2 | ... | 1,145 | 21,393 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 4,312 | 1,260 | 58 | 40,683 | 50,480 | 18,631 | 6,186 | 10,357 | ... | 382 | 25,925 | 44,006 | 0·00 | 33·50 | 0·04 | 23·82 |
| | | Buxar | 1,226 | 330 | 330 | 183,953 | 172,300 | 101,829 | 9,765 | 30,625 | ... | 5,410 | 47,860 | 147,620 | | | | |
| | | Arrah | 2,400 | 657 | 625 | 277,084 | 251,044 | 159,426 | 20,234 | 55,080 | ... | 10,973 | 86,287 | 245,713 | 0·00 | 28·40 | 0·01 | 33·59 |
| | Patna and Gaya | Eastern Main | 1,850 | 370 | 333 | 4,333 | 5,449 | 3,816 | 145 | 678 | ... | 1 | 814 | 4,930 | 0·00 | 16·83 | 0·14 | 32·22 |
| | | Patna | | | | 148,806 | 138,698 | 98,770 | 14,553 | 23,020 | ... | 5,054 | 42,627 | 141,397 | | | | |
| | | Total Sone Canals | ... | ... | ... | 632,268 | 619,241 | 382,522 | 50,883 | 129,760 | ... | 21,820 | 201,453 | 583,975 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 377,951 | 43,755 | 138,355 | ... | 23,213 | 211,822 | 583,273 | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | 2 | Nil | 5,837 | 4,784 | Nil | 2,505 | 1,066 | .. | 235 | 4,706 | 4,706 | Nil | 30·30 | 0·54 | 38·03 |
| | | Total of the corresponding period of last year. | ... | ... | .. | ... | ... | ... | 1,264 | 1,625 | ... | 195 | 3,084 | 3,084 | ... | ... | ... | ... |
| | | Dhaka | 300 | 4 | 3 | 13,773 | 11,816 | Nil | 9,4[illegible]3 | 3,359 | ... | 335 | 13,097 | 13,097 | Nil | 31·67 | 0·08 | 35·76 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 8,059 | 3,627 | .. | 382 | 12,068 | 12,068 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 1,019,189 | 1,001,128 | 743,141 | 63,444 | 141,913 | 415 | 22,410 | 228,241 | 900,382 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 671,959 | 115,921 | 156,662 | 613 | 29,904 | 303,000 | 974,980 | ... | ... | ... | ... |

CALCUTTA,
*The 3rd May 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 1st May 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 1st May 1909. | | | Week ending Saturday, the 2nd May 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 185 | 59,153 | 724 | 213 | 62,395 | 747 |
| Jute ... ... | 28 | 29,350* | 307 | 72 | 37,367† | 399 |
| Firewood ... ... | 16 | 13,475 | 209 | 33 | 24,575 | 374 |
| Other articles ... ... | 524 | 1,57,731 | 1,903 | 584 | 1,86,302 | 1,984 |
| Total ... | 753 | 2,59,709 | 3,143 | 902 | 3,10,639 | 3,504 |

* Weight by canal measurement, 34,875 maunds.
† Ditto ditto, 44,287½ ,,

CALCUTTA,
*The 4th May 1909.*

E. R. SIRET,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 25th April to 1st May 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| April | 25th | 142·7 | 7·3 | 29·759 | 76·6 | 86·5 | 18·4 | 68·1 | 71·0 | 0·718 | 69·3 | 80 | ESE, SSW and variable. | 76 | 0·98 | Partially cloudy, o. |
| " | 26th | 148·7 | 7·0 | ·785 | 81·3 | 90·4 | 16·8 | 73·6 | 73·1 | ·778 | 71·7 | 82 | SSW, ESE and variable. | 86 | Nil | Partially cloudy, o, p, t, <. |
| " | 27th | 152·1 | 6·5 | ·778 | 81·3 | 91·3 | 18·6 | 72·7 | 76·0 | ·867 | 71·9 | 81 | SSW, SW by S and variable. | 115 | 0·33 | Partially cloudy, o, d, p, t, <, /. |
| " | 28th | 140·5 | 8·8 | ·771 | 79·6 | 91·0 | 21·5 | 69·5 | 71·1 | ·788 | 72·1 | 77 | SW by S and SSW. | 103 | 0·66 | Partially cloudy. |
| " | 29th | 144·2 | 10·8 | ·692 | 86·2 | 95·7 | 17·7 | 78·0 | 78·0 | ·877 | 75·3 | 71 | SSW, WSW and S by W. | 196 | Nil | Partially cloudy. |
| " | 30th | 146·7 | 9·8 | ·621 | 86·5 | 95·1 | 15·9 | 79·2 | 80·1 | ·968 | 78·2 | 75 | S and SW. | 231 | Nil | Partially cloudy, o, p, d, K. |
| May | 1st | 141·3 | 8·6 | 6·36 | 84·8 | 92·0 | 13·8 | 78·2 | 78·6 | ·915 | 76·5 | 79 | SW and SSW. | 236 | 0·25 | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·720 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·721 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 58·8 |
| The maximum possible number of hours of sunshine ... ... ... | 90·2 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 85·3 |
| The extreme variation of temperature ... ... ... ... | 27·6 |
| The maximum temperature ... ... ... ... ... | 95·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 20 |
| | % |
| The mean relative humidity ... ... ... ... ... | 79 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 72 |
| | Inches. |
| The total fall of rain from 25th April to 1st May 1909 ... ... | 2·22 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·84 |
| The total fall from 1st January to 1st May 1909 ... ... ... | 6·30 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 4·90 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; p, passing temporary showers; t, thunder; <, Lightning; d, drizzling rain; /, strong wind; K, thunder-storm.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 3rd May 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 17th April 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts.* | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 503,789 | (a) 3,99,482 0 0 | 67,04,590 0 | 11,44,982 0 0 | 42,474 0 0 | 15,86,938 0 0 | 165,196 | 218,829 | 384,025 |
| Or per mile of railway ... | ..... | 174 4 3 | ..... | 499 7 7 | 18 8 6 | 692 4 4 | ..... | ..... | ..... |
| For previous 14½ weeks of half-year | 7,729,981 | 69,24,960 0 0 | 9,92,21,846 0 | 1,63,79,181 0 0 | 6,46,428 0 0 | 2,38,50,569 0 0 | 2,379,363 § | 3,106,611 § | 5,486,974 |
| Total for 15½ weeks ... | 8,233,770 | 73,24,442 0 0 | 10,59,26,436 0 | 1,74,24,163 0 0 | 6,88,902 0 0 | 2,54,37,507 0 0 | 2,544,559 | 3,325,440 | 5,869,999 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 564,435 | 4,75,875 9 6 | 69,77,157 10 | 11,24,124 9 11 | 44,488 8 3 | 16,44,488 11 8 | 158,959 | 249,030 | 407,989 |
| Per mile of railway corresponding week of previous year. | ..... | 208 1 2 | ..... | 491 8 3 | 19 7 3 | 719 0 8 | ..... | ..... | ..... |
| Total for corresponding 15½ weeks of previous year. | 8,394,490 | 79,05,830 7 5 | 11,44,50,828 30 | 1,81,58,016 1 1 | 6,46,882 13 2 | 2,67,10,729 5 8 | 2,521,335 | 3,576,530 | 6,097,865 |

(a) The decrease is due to lesser movements of passengers this year.

* Deducted No. of passengers 18,661 and Rs. 2,39,161

† Do. Mds 8,98,761 and Rs. 13,261

‡ Added " 3,255

§ Audited figures up to 28th February 1909

} On account of difference between the approximate and audited figures for the month of February 1909 due largely to Audited figures not being received from Foreign lines.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,317,925 | 20,57,970 | 3,04,58,230 | 49,14,227 | 2,17,919 | 71,89,116 | 3,136 | 1,677,717 | 4 4 7 |
| *2,292·37 | " " Feb. ... | 2,247,801 | 19,60,811 | 2,76,55,878 | 46,01,553 | 1,30,925 | 67,53,293 | 2,946 | 1,540,808 | 4 6 2 |
| 2,292·37 | First 6 days of Mar. ... | 490,850 | 4,80,175 | 6 16,681 | 10,28,857 | 39,086 | 15,48,078 | 675 | 335,156 | 4 10 4 |
| 2,292·37 | Week ended 13th " ... | 567,319 | 5,14,113 | 71,51,994 | 11,16,505 | 35,536 | 16,66,154 | 727 | 387,668 | 4 4 8 |
| 2,292·37 | " " 20th " ... | 531,252 | 4,93,755 | 68,82,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 380,272 | 4 5 1 |
| 2,292·37 | " " 27th " ... | 527,723 | 4,84,702 | 66,56,271 | 10,89,218 | 42,474 | 16,16,394 | 705 | 381,653 | 4 3 9 |
| 2,292·37 | " " 3rd Apl. ... | 551,745 | 4,71,848 | 72,96,765 | 11,74,510 | 42,474 | 16,91,832 | 738 | 389,321 | 4 5 6 |
| 2,292·37 | " " 10th " ... | 511,092 | 4,49,026 | 73,85,907 | 12,15,520 | 42,474 | 17,17,020 | 749 | 389,380 | 4 6 7 |
| 2,292·37 | " " 17th " ... | 503,789 | 3,99,482 | 67,04,590 | 11,44,982 | 42,474 | 15,86,938 | 692 | 384,025 | 4 2 1 |
| | Totals up to date ... | 8,233,770 | 73,24,442 | 10,59,26,436 | 1,74,24,163 | 6,88,902 | 2,54,37,507 | 726 | 5,869,999 | 4 5 4 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,611 | 20,02,554 | 3,14,58,828 | 60,73,787 | 1,75,350 | 73,21,611 | 3,201 | 1,687,116 | 4 5 8 |
| 2,287·05 | " " Feb. ... | 2,471,211 | 22,70,787 | 3,03,94,093 | 56,90,101 | 1,41,978 | 76,02,565 | 3,317 | 1,637,207 | 4 10 7 |
| 2,287·05 | Week ended 6th Mar. ... | 699,809 | 5,14,939 | 75,95,193 | 14,22,979 | 43,182 | 17,11,300 | 760 | 388,454 | 4 6 8 |
| 2,287·05 | " " 13th " ... | 565,149 | 5,41,005 | 77,45,217 | 10,78,948 | 34,757 | 16,58,151 | 725 | 378,642 | 4 6 1 |
| 2,287·05 | " " 20th " ... | 476,295 | 4,75,610 | 74,70,816 | 11,14,158 | 40,626 | 16,80,374 | 695 | 393,366 | 4 0 8 |
| 2,287·05 | " " 27th " ... | 510,075 | 5,15,047 | 83,92,117 | 12,84,537 | 39,655 | 18,39,239 | 804 | 408,375 | 4 8 1 |
| 2,287·05 | " " 4th Apl. ... | 509,984 | 4,78,144 | 72,15,146 | 11,38,335 | 41,244 | 16,58,283 | 725 | 400,507 | 4 2 3 |
| 2,287·05 | " " 11th " ... | 555,493 | 4,97,833 | 70,40,225 | 11,48,150 | 44,891 | 16,51,814 | 722 | 401,269 | 4 1 10 |
| 2,287·05 | " " 18th " ... | 564,435 | 4,75,875 | 69,77,157 | 11,24,125 | 44,488 | 16,44,488 | 719 | 407,989 | 4 0 6 |
| | Totals up to date ... | 8,394,490 | 79,05,830 | 11,44,50,828 | 1,81,58,016 | 6,46,882 | 2,67,10,729 | 750 | 6,097,865 | 4 6 1 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 17th April 1909, on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 47,599 | 13,548 0 0 | 20,760 0 | 820 0 0 | 6 0 0 | 14,374 0 0 | 1,733 | 159 | 1,892 |
| Or per mile of railway ... ... | .. | 609 15 11 | ... | 36 14 9 | 0 4 4 | 647 3 0 | .. | ... | |
| For previous 14¾ weeks of half-year | *113,228 | *96,083 0 0 | †3,78,625 0 | †12,081 0 0 | ‡111 0 0 | 1,08,275 0 0 | §19,516 | §2,380 | 21,896 |
| Total for 15¾ weeks ... | 460,827 | 1,09,631 0 0 | 3,99,385 0 | 12,901 0 0 | 117 0 0 | 1,22,649 0 0 | 21,249 | 2,539 | 23,788 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 49,563 | 14,036 7 7 | 15,915 10 | 630 3 0 | 8 14 6 | 14,675 9 1 | 1 599 | 137 | 1,736 |
| Per mile of railway corresponding week of previous year ... ... | ... | 631 6 9 | ... | 28 5 7 | 0 6 5 | 660 2 9 | ... | ... | ... |
| Total for corresponding 15¾ weeks of previous year ... ... ... | 521,137 | 1,32,664 13 6 | 3,92,299 0 | 14,070 8 0 | 127 6 9 | 1,46,862 12 3 | 22,245 | 2,355 | 24,600 |

* Deducted No. of passengers 3,788 and Rs. 2,394
† Added Mds. 28,203 and " 598 } On account of difference between the approximate and audited figures for the month of February
‡ Do. " 2 } 1909.
§ Audited figures up to 28th February 1909.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. ... | 105,932 | 24,217 | 1,08,707 | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 0 |
| *22·21 | " " of Feb. ... | 134,849 | 32,173 | 1,14,042 | 4,018 | 36 | 36,227 | 1,631 | 6,382 | 5 10 10 |
| 22·21 | First 6 days of March . | 25,531 | 7,323 | 17,953 | 811 | 8 | 8,145 | 367 | 1,320 | 6 2 9 |
| 22·21 | Week ended 13th " . | 31,132 | 6,775 | 28,182 | 1,010 | 11 | 7,796 | 349 | 1,496 | 5 2 10 |
| 22·21 | " " 20th " .. | 28,049 | 6,986 | 31,911 | 1,312 | 11 | 7,409 | 334 | 1,496 | 4 15 4 |
| 22·21 | " " 27th " ... | 26,641 | 5,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| 22·21 | " " 3rd April ... | 27,470 | 7,115 | 25,230 | 1,056 | 6 | 8,187 | 369 | 1,496 | 5 7 7 |
| 22·21 | " " 10th " ... | 33,024 | 6,817 | 27,293 | 1,173 | 6 | 8,026 | 361 | †1,518 | 5 4 7 |
| 22·21 | " " 17th " ... | 47,599 | 13,548 | 20,760 | 820 | 6 | 14,374 | 647 | 1,893 | 7 9 7 |
| | Totals up to date ... | 4,65,827 | 1,09,631 | 3,99,385 | 12,901 | 117 | 1,22,649 | 361 | 23,788 | 5 2 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. ... | 111,387 | 26,594 | 85,103 | 3,136 | 35 | 29,710 | 1,336 | 6,900 | 4 3 10 |
| 22·23 | For the month of Feb. ... | 150,095 | 38,194 | 1,34,602 | 4,102 | 33 | 42,328 | 1,904 | 6,768 | 6 4 1 |
| 22·23 | Week ended 7th March... | 57,829 | 14,339 | 15,134 | 676 | 6 | 15,121 | 694 | 1,886 | 8 2 10 |
| 22·23 | " " 14th " ... | 29,704 | 6,578 | 28,967 | 965 | 8 | 7,551 | 340 | 1,876 | 3 14 8 |
| 22·23 | " " 21st " ... | 29,748 | 7,040 | 28,701 | 1,202 | 11 | 8,263 | 372 | 1,449 | 5 12 5 |
| 22·23 | " " 28th " ... | 24,593 | 5,888 | 28,965 | 1,129 | 11 | 6,728 | 303 | 1,502 | 4 4 11 |
| 22·23 | " " 4th April ... | 29,495 | 7,702 | 30,515 | 1,226 | 9 | 9,027 | 406 | 1,509 | 6 0 2 |
| 22·23 | " " 11th " ... | 43,643 | 12,144 | 24,806 | 1,005 | 11 | 13,160 | 592 | 1,566 | 8 5 9 |
| 22·23 | " " 18th " ... | 49,563 | 14,037 | 15,915 | 630 | 9 | 14,676 | 660 | 1,736 | 8 7 3 |
| | Totals up to date ... | 521,137 | 1,32,664 | 3,92,299 | 14,071 | 128 | 1,46,863 | 424 | 24,600 | 5 15 6 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for week ended 17th April 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 27,879 | 22,194 0 0 | 2,97,365 0 | 23,019 0 0 | 42 0 0 | 45,255 0 0 | 11,947 | 5,949 | 17,896 |
| Or per mile of railway ... ... | ..... | 136 11 2 | ..... | 141 12 5 | 0 4 8 | 278 11 9 | ... | ..... | ..... |
| For previous 14¾ weeks of half-year | 379,165* | 2,91,397 0 0* | 41,25,674 0† | 2,78,682 0 0† | 657 0 0‡ | 5,70,736 0 0 | 173,598§ | 75,446§ | 249,044 |
| Total for 15¾ weeks ... | 407,044 | 3,13,591 0 0 | 44,21,039 0 | 3,01,701 0 0 | 699 0 0 | 6,15,991 0 0 | 185,545 | 81,395 | 266,940 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 29,327 | 22,671 15 8 | 3,06,290 20 | 24,020 9 0 | 38 15 3 | 46,731 7 11 | 11,654 | 6,923 | 18,577 |
| Per mile of railway corresponding week of previous year. | ..... | 139 10 3 | ..... | 147 15 2 | 0 3 10 | 287 13 3 | ..... | ..... | ..... |
| Total for corresponding 15¾ weeks of previous year. | 444,961 | 3,18,034 15 11 | 42,75,401 0 | 3,17,298 0 0 | 903 4 04 | 6,36,236 4 5 | 182,873 | 88,660 | 271,533 |

* Deducted No. of passengers 5,935 and Rs. 1,021
† Added Mds. 1,02,099 and " 4,748
‡ Do. " 34
} On account of difference between the approximate and audited figures for the month of February 1909.
§ Audited figures up to 28th February 1909.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. ... | 94,754 | 67,058 | 11,05,905 | 68,196 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| *162·36 | " " of Feb. ... | 98,785 | 78,959 | 12,05,624 | 78,711 | 190 | 1,57,860 | 972 | 70,571 | 3 3 9 |
| 162·36 | First 6 days of March | 27,070 | 18,953 | 2,65,475 | 18,574 | 34 | 37,561 | 231 | 14,858 | 2 [illegible] 5 |
| 162·36 | Week ended 13th " ... | 29,965 | 24,314 | 3,31,583 | 22,888 | 43 | 47,245 | 291 | 16,743 | 2 13 2 |
| 162·36 | " " 20th " ... | 32,976 | 24,893 | 3,20,793 | 23,973 | 43 | 48,909 | 301 | 18,350 | 2 10 8 |
| 162·36 | " " 27th " ... | 32,322 | 27,926 | 2,88,869 | 21,718 | 42 | 49,686 | 306 | 18,173 | 2 11 9 |
| 162·36 | " " 3rd April | 31,988 | 25,083 | 3,26,939 | 22,820 | 42 | 47,945 | 295 | 17,515 | 2 11 10 |
| 162·36 | " " 10th " ... | 31,905 | 24,211 | 2,78,398 | 21,802 | 42 | 46,055 | 284 | 17,185 | 2 10 2 |
| 162·36 | " " 17th " ... | 27,879 | 22,194 | 2,97,365 | 23,019 | 42 | 45,255 | 279 | 17,896 | 2 8 6 |
| | Totals up to date ... | 4,07,044 | 3,13,591 | 44,21,039 | 3,01,701 | 699 | 6,15,991 | 248 | 266,940 | 2 4 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 100,457 | 69,564 | 11,46,303 | 78,637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | " " of Feb. ... | 112,856 | 77,399 | 10,88,017 | 81,060 | 211 | 1,59,270 | 981 | 70,056 | 2 4 5 |
| 162·36 | Week ended 7th March .. | 30,611 | 19,722 | 2,91,091 | 23,694 | 52 | 43,468 | 268 | 16,926 | 2 9 1 |
| 162·36 | " " 14th " .. | 31,309 | 21,962 | 2,96,204 | 20,569 | 47 | 42,578 | 262 | 17,542 | 2 6 10 |
| 162·36 | " " 21st " ... | 30,501 | 22,680 | 2,93,831 | 22,085 | 55 | 44,820 | 276 | 17,748 | 2 8 5 |
| 162·36 | " " 28th " .. | 31,870 | 26,189 | 2,29,473 | 17,143 | 60 | 43,392 | 269 | 17,639 | 2 7 8 |
| 162·36 | " " 4th April ... | 37,359 | 31,846 | 4,43,419 | 36,814 | 94 | 68,754 | 423 | 18,882 | 3 10 3 |
| 162·36 | " " 11th " . | 34,671 | 25,701 | 1,70,713 | 12,677 | 78 | 38,456 | 237 | 18,710 | 2 0 11 |
| 162·36 | " " 18th " . | 29,327 | 22,672 | 3,06,290 | 24,020 | 39 | 46,731 | 288 | 18,577 | 2 8 3 |
| | Totals up to date .. | 444,961 | 3,18,035 | 42,75,401 | 3,17,298 | 903 | 6,36,236 | 252 | 271,533 | 2 5 6 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 17th April 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 63,500 | 40,000 0 0 | 270,500 0 | 38,000 0 0 | 3,500 0 0 | 81,500 0 0 | 14,507 | 19,086 | 33,593 |
| Or per mile of railway ... | 82·68 | 52·08 | 350·84 | 49·29 | 4·54 | 105·91 | 18·89 | 24·75 | 43·64 |
| For previous 15 weeks of half-year ... ... ... | 1,070,525 | 6,89,424 0 0 | 5,187,064 0 | 6,13,650 0 0 | 71,963 0 0 | 13,75,037 0 0 | 205,206 | 283,883 | 489,089 |
| Total for 16 weeks ... | 1,134,025 | 7,29,424 0 0 | 5,457,564 0 | 6,51,650 0 0 | 75,463 0 0 | 14,56,537 0 0 | 219,713 | 302,969 | 522,682 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 55,776 | 38,912 0 0 | 277,379 0 | 39,787 0 0 | 3,220 0 0 | 81,919 0 0 | 15,688 | 21,086 | 36,774 |
| Per mile of railway corresponding week of previous year ... | 72·63 | 50·67 | 359 77 | 51·60 | 4·18 | 106·45 | 20·43 | 27·35 | 47·78 |
| Total to corresponding date of previous year ... ... ... | 1,110,670 | 7,56,541 0 0 | 4,184,059 0 | 5,95,678 0 0 | 77,855 0 0 | 14,30,074 0 0 | 251,864 | 318,389 | 570,253 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 17th April 1909. | | | Receipts for week ending 18th April 1908. | | | Total receipts from 1st April 1909 to 17th April 1909. | | | Total receipts from 1st April 1908 to 18th April 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 81,500 | 105·91 | 771 | 81,919 | 106·45 | 771 | 2,09,716 | ... | 771 | 2,23,458 | ... | ..... | 13,742 |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 17th April 1909 on 1,827 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,827 miles open ... ... | 337,830 | 1,28,390 (a) | 1,333,470 | 1,92,900 (b) | 28,869 | 3,50,150 | 58,006 | 45,604 (c) | 103,610 |
| Or per mile of railway ... ... | 184·94 | 70·27 | 729·87 | 105·58 | 15·80 | 191·65 | ..... | ..... | ..... |
| For previous 14½ weeks of half-year (d) ... ... ... ... | 4,813,001 | 19,79,957 | 17,367,183 | 25,86,514 | 3,55,195 | 49,21,666 | 826,510 | 698,088 | 1,524,598 |
| Total for 15½ weeks ... ... | 5,150,831 | 21,08,347 | 18,700,653 | 27,79,414 | 3,84,065 | 52,71,816 | 884,516 | 743,692 | 1,628,208 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... ... ... ... ... | 371,348 | 1,64,867 | 1,204,838 | 1,57,398 | 26,657 | 3,48,922 | 55,842 | 46,541 (c) | 102,383 |
| Per mile of corresponding week of previous year ... ... ... | 206·65 | 91·75 | 670·47 | 87·59 | 14·83 | 194·17 | .... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,069,621 | 22,30,001 | 18,968,661 | 26,17,380 | 3,74,180 | 52,27,561 | 886,476 | 738,489 | 1,624,965 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 2·21 | | 4·23 | ·28 | 3·38 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·95 | | 3·38 | ·26 | 3·41 | | | |

(a) Decrease due to Ram Naumi mela held earlier this year.
(b) Increase chiefly under foreign outward.
(c) Includes 4,518 miles of ballast trains.
(d) Ditto audited figures for the month of January 1909.
(e) Ditto 2,856 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 17th April 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 402,160 | 1,86,200 0 0 | 1,890,860 0 | 2,04,160 0 0 | 19,350 0 0 | 4,09,710 0 0 | 78,610 | (b)43,718 | 122,328 |
| Or per mile of railway ... ... | 269 | 124 0 0 | 1,263 0 | 136 0 0 | (a)12 0 0 | (a)262 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (c) ... ... ... .. | 6,867,538 | 30,37,854 0 0 | 32,820,491 0 | 40,18,045 0 0 | 5,90,991 0 0 | 76,46,890 0 0 | 1,107,662 | 744,947 | 1,852,549 |
| Total for 16 weeks ... | 7,269,698 | 32,24,054 0 0 | 34,711,351 0 | 42,22,205 0 0 | 6,10,341 0 0 | 80,56,600 0 0 | 1,186,212 | 788,665 | 1,974,877 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 394,332 | 1,81,287 0 0 | 1,735,079 0 | 1,95,986 0 0 | 16,546 0 0 | 3,93,819 0 0 | 77,874 | 37,487 | 115,361 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 310 | 142 0 0 | 1,362 0 | 154 0 0 | 1 0 0 | 297 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... .. | 8,228,579 | 35,16,052 0 0 | 30,849,434 0 | 35,69,747 0 0 | 5,17,678 0 0 | 76,03,477 0 0 | 1,220,668 | 694,305 | 1,914,973 |

(a) Excluding steamer earnings, Rs. 17,100.
(b) Excluding ballast train-miles Rs. 9,736.
(c) Audited up to February 1909.

## DACCA STATE RAILWAY

*Approximate Return of Traffic and Mileage for the week ended 17th April 1909 on 89 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 30,530 | 8,130 0 0 | 40,450 0 | 3,680 0 0 | 560 0 0 | 12,370 0 0 | 5,216 | (a)1,344 | 6,560 |
| Or per mile of railway ... | 355 | 95 0 0 | 540 0 | 43 0 0 | 6 0 0 | 144 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (b) ... ... ... | 631,217 | 1,91,505 0 0 | 1,219,910 0 | 88,487 0 0 | 5,209 0 0 | 2,85,201 0 0 | 81,140 | 20,940 | 102,080 |
| Total for 16 weeks ... | 661,747 | 1,99,635 0 0 | 1,260,360 0 | 92,167 0 0 | 5,769 0 0 | 2,97,571 0 0 | 86,356 | 22,284 | 108,640 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 33,801 | 10,112 0 0 | 96,386 0 | 8,092 0 0 | 75 0 0 | 18,189 0 0 | 5,636 | 2,006 | 7,6[illegible] |
| Per mile of railway corresponding week of previous year . | 393 | 118 0 0 | 1,121 0 | 93 0 0 | 1 0 0 | 212 0 0 | . | .. | ... |
| Total to corresponding date of previous year ... ... | 704,493 | 2,14,431 0 0 | 1,703,206 0 | 1,24,466 0 0 | 4,686 0 0 | 3,39,583 0 0 | 88,780 | 28,394 | 117,174 |

(a) Ballast train miles, Nil.
(b) Audited up to February 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 17th April 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 3,320 | 1,710 0 0 | 24,280 0 | 1,620 0 0 | 10 0 0 | 3,340 0 0 | 398 | (a)900 | 1,298 |
| Or per mile of railway .. | 99 | 51 0 0 | 723 0 | 48 0 0 | ... | 99 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (b) ... ... . ... | 65,849 | 26,482 0 0 | 3,50,430 0 | 25,527 0 0 | 252 0 0 | 52,261 0 0 | 7,008 | 27,123 | 34,131 |
| Total for 16 weeks ... | 69,169 | 28,192 0 0 | 3,74,710 0 | 27,147 0 0 | 262 0 0 | 55,601 0 0 | 7,406 | 28,023 | 35,429 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year | 5,476 | 3,166 0 0 | 29,964 0 | 1,912 0 0 | 22 0 0 | 5,100 0 0 | 445 | 903 | 1,348 |
| For mile of railway corresponding week of previous year . | 163 | 94 0 0 | 891 0 | 57 0 0 | 1 0 0 | 152 0 0 | ... | .. | ... |
| Total to corresponding date of previous year ... . . | 76,725 | 31,591 0 0 | 4,00,382 0 | 28,006 0 0 | 258 0 0 | 59,855 0 0 | 6,947 | 22,962 | 29,909 |

(a) Excluding ballast train-miles, 900.
(b) Audited up to February 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 17th April 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 10,680 | 3,440 0 0 | 42,920 0 | 2,240 0 0 | 30 0 0 | 5,710 0 0 | 1,960 | (g) 498 | 2,454 |
| Or per mile of railway ... ... | 198 | 64 0 0 | 795 0 | 41 0 0 | 1 0 0 | 106 0 0 | .. | ... | - |
| For previous 15 weeks of half-year (b) ... ... ... ... | 296,054 | 68,079 0 0 | 854,320 0 | 49,851 0 0 | 354 0 0 | 1,18,284 0 0 | 28,541 | 11,864 | 40,405 |
| Total for 16 weeks .. | 269,734 | 71,519 0 0 | 897,240 0 | 52,091 0 0 | 384 0 0 | 1,23,994 0 0 | 30,507 | 12,362 | 42,869 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 15,116 | 4,165 0 0 | 47,689 0 | 2,426 0 0 | 17 0 0 | 6,608 0 0 | 2,042 | 508 | 2,550 |
| Per mile of railway corresponding week of previous year ... | 280 | 77 0 0 | 883 0 | 45 0 0 | .. | 122 0 0 | . | ... | ... |
| Total to corresponding date of previous year ... .. ... | 272,491 | 71,467 0 0 | 643,457 0 | 34,560 0 0 | (−)2,474 0 0 | 1,03,853 0 0 | 32,707 | 8,228 | 40,935 |

(a) Ballast train-miles, nil.
(b) Audited up to February 1909.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ended 24th April 1909 on 1,407 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 448,970 | 2,16,910 0 0 | 3,052,030 0 | 2,72,010 0 0 | 71,690 0 0 | 5,59,610 0 0 | 77,690 | (b)81,899 | 159,589 |
| Or per mile of railway .. ... | 300 | 144 0 0 | 2,039 0 | 182 0 0 | (c)34 0 0 | (a)360 0 0 | ..... | ..... | ..... |
| For previous 16 weeks of half-year (c) ... ... ... ... | 7,269,698 | 32,24,054 0 0 | 34,711,351 0 | 43,22,205 0 0 | 6,10,341 0 0 | 80,56,600 0 0 | 1,186,212 | 788,665 | 1,974,877 |
| Total for 17 weeks .. | 7,718,668 | 34,40,964 0 0 | 37,763,381 0 | 44,94,215 0 0 | 6,81,931 0 0 | 86,16,210 0 0 | 1,263,902 | 870,564 | 2,134,466 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. | 450,011 | 2,16,752 0 0 | 3,157,633 0 | 2,73,[illegible] 0 0 | 65,421 0 0 | 6,56,055 0 0 | 77,949 | 86,925 | 164,874 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 353 | 170 0 0 | 2,463 0 | 215 0 0 | 36 0 0 | 521 0 0 | ..... | ... | ..... |
| Total to corresponding date of previous year ... .. | 8,678,590 | 37,32,953 0 0 | 33,987,067 0 | 38,45,629 0 0 | 5,83,100 0 0 | 81,58,032 0 0 | 1,298,617 | 781,230 | 2,079,847 |

(a) Excluding steamer earnings, Rs. 20,400.
(b) Including ballast train-miles, 23,776, earnings Rs. 15,000.
(c) Audited up to February 1909.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 24th April 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 35,840 | 10,430 0 0 | 60,130 0 | 4,120 0 0 | 190 0 0 | 14,740 0 0 | 5,796 | (a)1,340 | 7,136 |
| Or per mile of railway .. | 417 | 121 0 0 | 699 0 | 48 0 0 | 2 0 0 | 171 0 0 | ... .. | ..... | ..... |
| For previous 16 weeks of half-year (b) .. ... ... | 661,747 | 1,99,635 0 0 | 1,266,360 0 | 92,167 0 0 | 5,769 0 0 | 2,97,571 0 0 | 86,556 | 22,284 | 108,840 |
| Total for 17 weeks . | 697,587 | 2,10,065 0 0 | 1,326,490 0 | 96,287 0 0 | 5,959 0 0 | 3,12,311 0 0 | 92,152 | 23,624 | 115,776 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. | 37,276 | 11,831 0 0 | 111,059 0 | 9,146 0 0 | 601 0 0 | 21,578 0 0 | 5,656 | 1,632 | 7,288 |
| Per mile of railway corresponding week of previous year .. | 433 | 138 0 0 | 1,291 0 | 106 0 0 | 7 0 0 | 251 0 0 | .. | ..... | .. . |
| Total to corresponding date of previous year ... .. ... | 741,769 | 2,26,262 0 0 | 1,814,265 0 | 1,29,612 0 0 | 5,287 0 0 | 3,61,161 0 0 | 94,456 | 30,426 | 124,702 |

(a) Ballast train-miles, Nil.
(b) Audited up to February 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 24th April 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weights carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,810 | 2,050 0 0 | 24,170 0 | 1,530 0 0 | 20 0 0 | 3,600 0 0 | 504 | (a)5,358 | 5,862 |
| Or per mile of railway ... | 113 | 61 0 0 | 719 0 | 45 0 0 | 1 0 0 | 107 0 0 | ..... | ..... | ..... |
| For previous 16 weeks of half-year (b) ... ... ... ... | 69,169 | 28,192 0 0 | 374,710 0 | 27,147 0 0 | 262 0 0 | 55,601 0 0 | 7,406 | 28,023 | 35,429 |
| Total for 17 weeks ... | 72,979 | 30,242 0 0 | 398,880 0 | 28,677 0 0 | 282 0 0 | 59,201 0 0 | 7,910 | 33,381 | 41,291 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 4,274 | 3,577 0 0 | 30,316 0 | 1,826 0 0 | 17 0 0 | 5,420 0 0 | 504 | 5,948 | 6,452 |
| Per mile of railway corresponding week of previous year ... | 141 | 106 0 0 | 902 0 | 54 0 0 | 1 0 0 | 161 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year . . . | 81,449 | 35,167 0 0 | 430,698 0 | 29,832 0 0 | 276 0 0 | 65,275 0 0 | 7,451 | 28,910 | 36,361 |

(a) Includes ballast train-miles, 4,150.
(b) Audited up to February 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 24th April 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 17,309 | 4,390 0 0 | 22,160 0 | 1,430 0 0 | 20 0 0 | 5,840 0 0 | 2,310 | (a)384 | 2,694 |
| Or per mile of railway .. .. | 320 | 81 0 0 | 410 0 | 27 0 0 | . | 108 0 0 | ..... | ..... | ..... |
| For previous 16 weeks of half-year (b) ... .. ... ... | 269,734 | 71,519 0 0 | 897,245 0 | 52,091 0 0 | 384 0 0 | 1,23,994 0 0 | 30,507 | 12,362 | 42,869 |
| Total for 17 weeks .. | 287,074 | 75,909 0 0 | 919,405 0 | 53,521 0 0 | 404 0 0 | 1,29,834 0 0 | 32,817 | 12,746 | 45,563 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... . | 14,550 | 4,283 0 0 | 59,[illegible] 0 | 2,734 0 0 | 33 0 0 | 7,060 0 0 | 2,038 | 608 | 2,646 |
| Per mile of railway corresponding week of previous year ... ... | 269 | 79 0 0 | [illegible],101 0 | 51 0 0 | 1 0 0 | 131 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... . ... | 287,041 | 75,750 0 0 | 702,912 0 | 37,314 0 0 | −2,151 0 0 | 1,10,913 0 0 | 34,745 | 8,836 | 43,5[illegible] |

(a) Ballast train-miles, nil.
(b) Audited up to February 1909.

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 5th May 1909.

REGISTERED No. C 209.]

No. 19 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, MAY 12, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.


| | Page |
|---|---|
| Resolution on the Budget Estimate of the Commissioners of the Port of Calcutta for the year 1909-10 | 709—712 |
| Weather and Crop Report for the week ending the 10th May 1909 ... ... ... .. ... ... ... | 713—718 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 8th May 1909 ... .. ... ... ... ... ... .. | 719 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 30th April 1909 ... | 720—727 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the eleven months April 1908 to February 1909 ... ... ... ... | 728—734 |
| Abstract statement showing Tollage on Canals in Bengal classed as Major and Minor Works for the month of March 1909 ... ... ... ... ... | 735—736 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of March 1909 ... ... ... ... ... ... ... | 737—739 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of April 1909 ... ... ... ... ... ... ... | 740 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 2nd to 8th May 1909 ... .. .. ... ... ... ... ... | 741 |
| Railway Returns ... ... ... ... ... ... | 742—743 |


## RESOLUTION ON THE BUDGET ESTIMATE OF THE COMMISSIONERS OF THE PORT OF CALCUTTA FOR THE YEAR 1909-10.

No. 1120Marine.

### Government of Bengal.

### MARINE DEPARTMENT.

*Dated Calcutta, the 8th May 1909.*

### RESOLUTION.

READ—

Letter No. 12328, dated the 31st March 1909, from the Vice-Chairman, Port Commissioners, Calcutta, submitting the Budget Estimates of the Commissioners for the year 1909-10.

#### CAPITAL ACCOUNT.

The Budget provides for an estimated expenditure of Rs. 1,03,50,000 on land and new works. Of this amount, a sum of Rs. 50,00,000 is allowed for expenditure on account of the acquisition of land for the Docks Extension Scheme, and the balance, viz., Rs. 53,50,000, will be spent on new works and on those that are in progress.

2. The following statement shows the principal works that are now in progress :—

| New Works. | Estimate. | Estimated expenditure to end of March 1909. |
|---|---|---|
| *Jetties.* | Rs. | Rs. |
| Extension of Jetties by two berths (1,150 lineal feet) ... | 37,78,902 | 36,33,902 |
| Improvement of hydraulic installation ... | 2,85,259 | 1,72,259 |
| Inland-vessels' Wharves. | | |
| *Right bank.* | | |
| Land and wharf improvements, Ramkristopur ... | 4,65,743 | 1,15,000 |
| Timber-ponds, Seebpore foreshore ... ... | 3,59,754 | 3,19,754 |
| *Petroleum Wharf.* | | |
| Improvement and extension of Depôt at Budge-Budge | 16,62,892 | 9,00,000 |
| *Port Approaches.* | | |
| Additional equipment of dredger *Sandpiper* ... ... | 4,00,000 | 2,00,000 |
| *Wet Docks.* | | |
| Four berths with transit-sheds for general produce ... | 39,34,270 | 11,34,270 |
| Dredging in Dock No. 2 ... ... ... | 15,95,010 | 3,30,000 |
| Hide-shed for Messrs. Earnsthausen & Co. ... ... | 3,07,354 | 25,354 |

3. The following are the principal new works to be taken in hand during the year :—

| | Estimate. | Estimated expenditure during 1909-10. |
|---|---|---|
| | Rs. | Rs. |
| *Jetties.* | | |
| Extension of storage space at No. 1 Jetty ... | 75,000 | 75,000 |
| Electric light and power ... ... ... | 79,353 | 80,000 |
| Inland-vessels' wharves. | | |
| *Right bank.* | | |
| New landing-stage at Salkea Banda Ghât ... ... | 31,643 | 32,000 |
| Sidings to Ganges Mill ... ... ... | 25,000 | 25,000 |
| *Left bank.* | | |
| New landing-stages at Ahiretola Ghât ... ... | 40,000 | 40,000 |
| Acquisition of land from His Majesty's Mint ... | 8,00,000 | 8,00,000 |
| Heavy-lift yard at Mullick's Ghât ... ... | 88,000 | 88,000 |
| Landing-stages at Outram Ghât for ocean-going steamers | 4,16,950 | 4,16,950 |
| *Port.* | | |
| Four additional ferry steamers ... ... ... | 4,70,000 | 3,00,000 |

4. It is satisfactory that the Commissioners have been able to provide for an expenditure of Rs. 103½ lakhs in this year's Capital Budget to meet the requirements of the expanding trade of the Port.

REVENUE ACCOUNT.

5. A general summary of the estimates submitted by the Commissioners is given below:—

| | Estimate for 1909-10. | Total. |
|---|---|---|
| | Rs. | Rs. |
| INCOME. | | |
| I.—Control ... ... ... ... | 3,800 | |
| II.—Jetties ... .. ... ... | 16,11,920 | |
| III.—Tea Warehouse . ... ... | 1,72,700 | |
| IV.—Petroleum Wharf ... ... ... | 2,01,025 | |
| V.—Inland-vessels' Wharf ... ... ... | 4,22,970 | |
| VI.—Rentable lands and buildings ... ... | 13,52,400 | |
| VII.—Port ... ... ... ... | 5,59,000 | |
| VIII.—Port approaches ... ... ... | 7,25,500 | |
| IX.—Railway ... ... ... | 14,31,700 | |
| X.—Wet Docks ... ... ... | 31,12,790 | |
| XI.—Dry ,, ... ... ... | 3,20,500 | |
| XII.—Ferry service ... ... ... | 1,60,000 | |
| XIII—River dues ... ... ... | 22,65,000 | |
| Miscellaneous receipts ... ... ... | 1,75,695 | |
| | | 1,25,15,000 |
| EXPENDITURE. | | |
| I.—Control ... ... ... ... | 8,98,035 | |
| II.—Jetties ... ... ... ... | 8,54,939 | |
| III.—Tea Warehouse ... ... ... | 1,14,819 | |
| IV.—Petroleum Wharf ... ... ... | 42,128 | |
| V.—Inland-vessels' Wharf ... ... | 1,89,526 | |
| VI.—Rentable lands and buildings ... ... | 1,61,676 | |
| VII.—Port ... ... ... ... | 5,54,736 | |
| VIII.—Port approaches ... ... ... | 6,27,476 | |
| IX.—Railway ... ... .. | 9,58,717 | |
| X.—Wet Docks ... ... ... | 29,36,791 | |
| XI.—Dry ,, ... ... ... | 83,214 | |
| XII.—Ferry service ... ... ... | 1,54,255 | |
| Provision against unforeseen expenditure, minor works chargeable to Revenue and unforeseen establishment charges. | 89,532 | |
| Interest and Sinking Fund charges ... ... | 45,45,437 | |
| | | 1,22,11,311 |
| Estimated surplus ... | ..... | 3,03,689 |

6. The estimated charges under establishment are Rs. 28,85,917 against Rs. 27,54,938, the estimate for 1908-09. There has been a steady increase in these charges since 1902-03, and the proportion of cost of establishment to the estimated revenue of the year works out to 23 per cent. The attention of the Commissioners has been drawn to the increased expenditure under this head.

7. The estimated receipts under "River Dues" are Rs. 22,65,000 against Rs. 21,55,000, the estimate for 1908-09. In sanctioning the levy of river dues as a permanent impost, it was the intention of Government that, as this item of revenue increases, there should be a reduction of charges in

other directions. In view, however, of large additions to the Capital Debt of the Trust, the Lieutenant-Governor approves the recommendation of the Commissioners to defer for the present the question of reducing rates.

8. The Lieutenant-Governor also approves, under section 69 of the Calcutta Port Act, 1890, of the modified form in which the Budget has been submitted.

9. In exercise of the powers, vested in him by section 71 of the Act, the Lieutenant-Governor sanctions the estimate of the Income and Expenditure of the Commissioners for the year 1909-10.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary.*

## WEATHER AND CROP REPORT.

*For the week ending the 10th May 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 9 | 9 | Weather hot and sky cloudy. Ploughing and manuring of lands going on briskly. No cattle-disease. Food stocks and fodder and water sufficient. |
| 2 | BIRBHUM ... | Nil | 9½ | 9½ | Weather hot. Common rice selling at 9 seers per rupee at Rampur Hât. Fodder and water sufficient. |
| 3 | BANKURA ... | Nil | 10½ | 10½ | Weather very hot. Planting of sugarcane going on. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | Nil | 9½ | 10 | Rainfall at Tamluk 0·90 inch. Weather hot, dry and sultry. Rain wanted. Harvesting of summer rice finished. Lands being prepared for winter rice in the Ghatal subdivision. Planting of sugarcane and sowing of autumn rice continuing. Prospects of *rabi* crops and of late cotton fair in the Contai subdivision and bad in the Tamluk subdivision. Cattle-disease in thanas Kharagpur, Keshiari, Keshpur, Mahanpur, Salbani, Gopiballavpur and Jhargaon. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Contai, at 8 seers at Tamluk and at 9½ seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 8 | 8 | Weather seasonable. Stocks of food-grains sufficient. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. Lands being prepared for cultivation. |
| 6 | HOWRAH ... | 0·18 | 8½ | 8½ | Weather hot. Harvesting of *boro* paddy progressing. More rain wanted for the *aus* paddy and jute already sown. Fodder and water sufficient. Condition of agricultural stock fair. Cattle-disease reported from thana Mandalghat. Lands being prepared for winter rice. |
| 7 | 24-PARGANAS | 0·85 | 9½ | 9½ | Weather seasonable. Common rice selling at 8 seers per rupee at Barasat, at 9¼ seers at Basirhat and at 9 seers at Barrackpore. Diamond Harbour report not received. |
| 8 | NADIA ... | Nil | 8 9/16 | 8 9/16 | Rainfall at Meherpur and at Kushtia *nil*, at Chuadanga 0·82 and at Ranaghat 0·73 inch. Sowing of *bhadoi* paddy and of jute continuing and that of winter rice commenced. Prices of staple food-grains stationary. Stocks of food-grains sufficient. Cattle-disease prevailing in thanas Chakdah, Tehatta and Karimpore. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | Nil | 8½ | 9 | Weather hot. *Boro* paddy growing well in the Kandi and Lalbagh subdivisions; prospects of *til* and mulberry favourable in the former subdivision. Condition of agricultural stock good in the Lalbagh subdivision and fair in the Kandi subdivision. Fodder and water sufficient. Scarcity of drinking water still felt in Sagardighi and Bhagwangola thanas. Cattle-disease reported from Raghunathganj police-station. |
| 10 | JESSORE ... | Nil | 9½ | 9 5/16 | Rainfall at Magura *nil*, at Jhenidah 0·35, at Narail 0·28 and at Bangaon 3·08 inches. Weather extremely hot. Fall not general and not sufficient. Sowing of paddy and jute going on. More rain urgently wanted in the Sadar, Narail and Jhenidah subdivisions. Fodder and water insufficient at places. Cattle-disease reported from Magura. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 10 | 10 | Rainfall at Bagerhat 0·12 and at Satkhira 3·34 inches. Weather seasonable. Prices of staple food-grains stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Cultivation of lands for jute and other *bhadoi* crops in progress. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 12 | PATNA ... | Nil | 8¾<br>14* | 9<br>14* | Weather warm. Lands being prepared for *bhadoi* crops. *Makai* already sown withering for want of rain, its sowing commenced too early. Sugarcane doing well. Condition of agricultural stock fair. No cattle-disease. Fodder and water available. Food-stock resources supplemented by import. |
| 13 | GAYA ... | Nil | 9 15/16†<br>12 13/16* | 10 1/16<br>13 5/16* | Weather hot with west winds. Sugarcane doing well. Prices rising. Fodder and water for cattle sufficient, except in parts of the district. Cattle-disease in the Jehanabad and Aurangabad subdivisions. |
| 14 | SHAHABAD ... | Nil | 9<br>15* | 9½<br>15* | Threshing of *rabi* crops nearly finished. Sugarcane doing well. Prices of food-grains stationary. Food-stocks under the normal. Agricultural stock in normal condition. Fodder and water sufficient. |
| 15 | SARAN ... | Nil | 9¾<br>13½* | 9¾<br>13½* | Weather seasonable. Threshing of *rabi* crops almost finished. Gathering of cotton going on. Lands being prepared for *bhadoi* paddy. Prices of staple food-crops stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | Nil | 9* 10* | 9 15½* | Weather seasonable. Rain not wanted at present. Threshing of *rabi* crops nearly over. Fields being ploughed for *aghani* and *bhadoi* crops which are being sown in places. Condition of agricultural stock normal. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 9 14½* | 9 14* | Weather seasonable but very hot. No rainfall during the week. Common rice and maize selling at 8 and 13¼ seers a rupee, respectively, at Sitamarhi and at 8½ and 13½ seers a rupee, respectively, at Hajipur. Cattle-disease reported in Bella and Muzaffarpur thanas. Fodder sufficient and water-supply improved. Sowings of early rice in progress. Scarcity existing in parts of the Sitamarhi subdivision. Number of persons on test-works—143 men, 3 4 women and 106 children—total 613. Number of persons gratuitously relieved and in poor-houses—3,150. Great stimulus given to all agricultural operations by the recent rain, and field-work provided for the labouring classes, but distress among non-workers increasing. |
| 18 | DARBHANGA ... | Nil | 8½ 12 to 13* | 8½ 13* | Sky clear. Days very hot. Ploughing and sowing in progress, but more rain needed. Food-stocks sufficient. Fodder available. Cattle-disease in one village in the Sadar thana and in nine villages in the Roserha thana for which remedial steps are being taken. Number of persons on relief-works on the 6th instant—40,540, number of persons gratuitously relieved—28,400. *Makai* selling at 12 to 13 seers per rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | Nil | 8½ 13* | 8½ 13* | Weather seasonable. Ploughing of lands for the sowing of *bhadoi* crops in full swing. Prices of staple food-grains stationary. Cattle-disease reported from some villages in Begusarai, Ballia, Sadar, Gogri and Khagaria. Fodder and water sufficient. |
| 20 | BHAGALPUR .. | Nil | 7½ 13¾* | 8¼ 13¼* | Weather seasonable with west winds. The condition and prospects of standing crops good. Harvesting of *rabi* crops finished. Cattle-disease reported from Daparkha in the Supaul subdivision. Fodder and water sufficient. Condition of agricultural stock good. Stocks of food-grains likely to last till the next harvest. Prices of staple food-grains stationary. The figures for gratuitous relief in the Supaul subdivision appearing to be incorrect and being verified—99 men, 258 women and 315 children—total 672—relieved gratuitously in the Madhipura subdivision, and 198 men, 353 women and 764 children—total 1,315—in the Supaul subdivision. 84 men, 97 women and 39 children—total 220—on test-works in the Madhipura subdivision, and 295 men, 57 women and 648 children—total 1,000—in the Supaul subdivision. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | Nil | 8 | 10† / 12½* | Weather very hot and sultry. sowing of *bhadoi* paddy and jute progressing. Condition of agricultural stock fair. No cattle-disease reported. Scarcity of fodder and water gradually disappearing. Stocks of food-grains sufficient due to imports. 47 men, 124 women and 1 child—total 172—gratuitously relieved from private funds. Common rice selling at 8 seers per rupee at the Araria and Kishanganj subdivisions. |
| 22 | DARJEELING ... | 0·04 | 8 / 14* | 8 / 14* | Weather seasonable. Hills—Wheat and barley being harvested. Maize and potatoes growing. *Bara* and *chota maruā* and *bhadoi* paddy being sown. Terai—sowings of jute and *bhadoi* paddy in progress. Prospects fair. Prices stationary. Agricultural stock in good condition. No apprehension of scarcity. |
| 23 | SONTHAL PARGANAS. | Nil | 9 5/8 / 12 3/8* | 9 5/8 / 12 3/8* | Weather very hot. Outturn of *mahua* good. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Water sufficient. Fodder insufficient. |
| 24 | CUTTACK ... | Nil | 10½ | 10½. | *Achua* cotton being plucked. *Beali* and *sarādh* paddy and jute being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | Nil | 12 | 11½ | Rainfall at Bhadrak 0·05 inch. Weather seasonable. Ploughing of fields and planting of sugarcane continuing. Harvesting of *dalua* paddy finished. Vegetables doing well. Cattle-pox reported from Balasore Chakla. Fodder and water and food-stocks sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices falling at the Sadar subdivision and stationary at Bhadrak. |
| 26 | ANGUL ... | Nil | 15 | 15 | Rainfall at Phulbani 0·01 inch. Weather hot. Ploughing of lands for *bhadoi* crops in progress. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported from the Khondmals. |
| 27 | PURI ... | Nil | 9 13/16 | 9 13/16 | Sugarcane thriving well. Cotton in pods. *Dalua* paddy and castor being harvested. Lands being prepared for the next paddy crop. Cattle-disease in Khurda and Brahmagiri Chaklas. Common rice selling at 10½ seers a rupee at Khurda. 14 men, 67 women and 140 children—total 221 on relief in kitchens; 12 men, 148 women and 6 children—total 176—receiving gratuitous relief. |
| 28 | SAMBALPUR ... | Nil | 12 | 12 | Weather occasionally cloudy. Fields being prepared for kharif sowings. Sugarcane plants being manured and watered. Condition of vegetables good. Rinderpest in both *tahsils*. foot-and-mouth disease in the Sadar *tahsil* only. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Common rice selling at 14 seers at Bargarh. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | ... | 11½* | 12* | Weather cloudy. Standing crops good. Food-stocks and fodder and water sufficient. |
| 30 | RANCHI ... | Nil | 9 | 9 | Weather hot. Ploughing and sowing in progress. Cattle-disease reported from nine thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 8 7/16 | 8 7/16 | Weather seasonable. Fields being prepared for the next season's crops. Lac being harvested. Sugarcane doing well. Fodder and water available. Some cattle-disease. 220 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | Nil | 11 | 10½ | Weather very hot. State of standing crops good. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 9 | 9 | Weather hot. Ploughing operations going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 10 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 0·07 | 8 | 8 | Weather seasonable. Prospects of standing crops improving. Weeding of *bitri* paddy and sowing of jute almost finished. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Weather hot and occasionally cloudy. Preparation of lands for next season's crops vigorously going on in all States. Sowing on low-lands commenced in Keonjhar, Athgarh and Pal-Lahara. Sugarcane growing well in Narsingpur, Nayagarh, Gangpur, Kalahandi, Athgarh, Dhenkanal, Ranpur, Athmallik and Talchar. Fodder and water sufficient. Price of rice varying from 12 seers in Khandpara, Mayurbhanj, and Narsingpur and 12½ seers in Athmallik, Dhenkanal and Athgarh to 17 seers in Patna and 18 seers in Talcher. |

| Name of State. | Rainfall in inches. |
|---|---|
| Daspalla ... | 1·82 |
| Narsingpur ... | 2·07 |
| Keonjhar ... | 1·99 |
| Rairakhol ... | 1·36 |
| Baud ... | 1·02 |
| Nayagarh ... | 0·92 |
| Nilgiri ... | 0·48 |
| Mayurbhanj ... | 1·11 |
| Patna ... | 0·49 |
| Gangpur ... | 0·40 |
| Kalahandi ... | 2·83 |
| Sonpur ... | 0·76 |
| Athgarh ... | 1·32 |
| Dhenkanal ... | 2·46 |
| Ranpur ... | 3·59 |
| Hindol ... | 1·07 |
| Pal-Lahara ... | 3·10 |
| Baramba ... | 0·59 |
| Athmallik ... | 1·26 |
| Talcher ... | 1·96 |
| Khandpara ... | Slight rainfall on three days during the week. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 1st May 1909.

GENERAL SUMMARY.—There were some scattered showers in parts of the Presidency Division and in Midnapore, Howrah, Darjeeling, Balasore, Angul and Cooch Behar. More rain is still wanted in Midnapore, Howrah, Jessore and Darbhanga. Preparation of lands for the next season's crops is being pushed on, and the sowing of jute, paddy and other *bhadoi* crops continues. Lac is being collected in Palamau. Sugarcane and vegetables are doing well. Early sown *makai* in Patna is reported to be withering for want of rain. The price of common rice has risen in Midnapore, Murshidabad, Patna, Gaya, Shahabad, Bhagalpur and Hazaribagh, has fallen in Jessore, Balasore and Manbhum, and has been stationary in the remaining districts. Cattle-disease is reported from Midnapore, Howrah, Nadia, Murshidabad, Jessore, Gaya, Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, Balasore, Angul, Puri, Sambalpur, Ranchi and Palamau. Insufficiency of fodder and water is still reported from parts of Murshidabad, Jessore and Gaya. 1,833 persons attended test-works in Muzaffarpur and Bhagalpur, and 40,540 persons were on famine relief-works in Darbhanga. Gratuitous relief was given to 34,323 persons in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 11th May 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 8th May 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 8th May 1909. | | | Week ending Saturday, the 9th May 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 416 | 63,480 | 934 | 370 | 1,24,950 | 1,348 |
| Jute ... ... | 17 | 7,550* | 98 | 64 | 27,510† | 371 |
| Firewood ... ... | 38 | 37,650 | 592 | 52 | 44,670 | 682 |
| Other articles .. ... | 638 | 3,28,647 | 2,890 | 553 | 1,79,610 | 1,931 |
| Total ... | 1,109 | 4,37,327 | 4,514 | 1,039 | 3,76,740 | 4,332 |

* Weight by canal measurement, 10,262½ maunds.
† Ditto ditto, 34,387½ ,,

CALCUTTA,
*The 11th May 1909.*

E. R. SIRET,
for *Under-Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Choicest. Present return. | Common Rice. Choicest. Next preceding return. | Common Rice. Choicest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan | ... | ... | ... | ... | ... | ... | 8 12 | 9 10 | 7 8 | 9 0 | 10 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum | 9 12 | 9 0 | 7 8 | ... | ... | ... | 9 0 | 9 8 | 7 0 | 9 0 | 9 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura | 9 8 | 8 8 | 8 0 | ... | ... | ... | 10 0 | 10 0 | 7 4 | 10 8 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 10 0 | 10 8 | 8 0 | ... | ... | ... | 9 8 | 10 6 | 6 6 | 10 1 | 11 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly | ... | ... | ... | ... | | ... | 7 12 | 8 0 | 6 8 | 8 0 | 8 8 | 7 0 | ... | | ... | ... | ... | ... |
| | 6 | Howrah | ... | ... | ... | ... | ... | ... | 7 0 | 7 8 | 6 4 | 8 0 | 8 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | 8 0 | 8 0 | 7 4 | ... | ... | ... | 8 8 | 8 8 | 7 0 | 9 0 | 9 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta | 7 8 | 7 6 | 7 4 | 12 8 | 12 8 | 11 0 | 7 10 | 7 12 | 6 6 | 10 0 | 10 0 | 8 0 | ... | ... | ... | 13 12 | 13 12 | 6 12 |
| | 9 | Nadia | 9 2 | 9 2 | 9 0 | 12 4 | 12 4 | 12 0 | 8 0 | 8 15 | 6 4 | 8 8 | 9 2 | 6 6 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 10 0 | 11 0 | 9 0 | 15 8 | 15 8 | 15 0 | Not | 6 0 | 6 0 | 8 4 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore .. | 6 8 | 6 8 | 6 8 | 7 8 | 7 8 | 8 0 | reported. 8 4 | 8 4 | 6 13 | 9 4 | 9 4 | 7 3 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna | ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 8 0 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 10 0 | 9 4 | 8 0 | 16 4 | 17 0 | 12 8 | 9 0 | 9 4 | 7 8 | 10 0 | 10 4 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 10 4 | 9 8 | 7 8 | 15 6 | 16 8 | 11 0 | 9 3 | 9 0 | 7 0 | Rangoon. 10 2 | 10 9 | 7 6 | 13 5 | 15 0 | 8 8 | ... | ... | ... |
| | 15 | Shahabad ... | 10 0 | 10 0 | 8 8 | 14 0 | 14 0 | 11 8 | 9 8 | 9 8 | 7 8 | 9 8 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran .. | 10 0 | 10 0 | 8 8 | 15 8 | 14 0 | 12 0 | 9 0 | 9 0 | 7 0 | 10 0 | 10 0 | 8 4 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 0 | 9 0 | 8 0 | 19 0 | 18 0 | 15 0 | 8 8 | 8 8 | 7 8 | 9 0 | 8 12 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 8 0 | 15 0 | 15 0 | 13 0 | 6 0 | 6 0 | 7 0 | 9 0 | 9 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 3 | 8 12 | 7 11 | 14 4 | 15 6 | 12 1 | 7 11 | 7 11 | 7 11 | 8 8 | 8 8 | 8 12 | ... | ... | ... | ... | ... | ... |

A. In the subdivisions the retail prices of salt per rupee are—Katwa 19¾ seers; Asansol 21 seers; Kalna 22¾ seers; Raniganj 21 seers.

B. At Rampur Hât the retail price of salt is 22 seers per rupee.

C. At Vishnupur the retail price of salt is 22 seers per rupee.

D. In the subdivisions the retail prices of salt per rupee are—Contai 20 seers; Tamluk 20 seers; Ghatal 22½ seers.

E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers; Arambagh 16 seers.

F. At Ulubaria the retail price of salt is 20 seers per rupee (panga).

G. In the marts in the interior of the district the retail prices of salt per rupee are—Chotia 22½ seers (karkatoh); Baranat 16 seers, Baduria 21 1/16 seers; Mograhat 21 seers; Vishnupur 16 seers; Barrackpore 16 seers.

H. In the subdivisions the retail prices of salt per rupee are—Kushtia 24 seers (panga); Chuadanga 16 seers (karkatoh); Meherpur 16 seers (panga); Ranaghat 20 seers (crushed).

***Station Bazars of the districts of Bengal on the 30th April 1909.***

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHENA, CHHOLA, KADALAY OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*) | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 13 8 | 14 0 | 9 8 | .. | ... | .. | 9 0 | 9 0 | 7 8 | A 21 0 | 21 0 | 16 8 | Liverpool crushed. 1 12 0 | 1 11 0 | 1 11 0 | 1 | | | |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 0 | 6 0 | ... | ... | ... | 7 8 | 7 8 | 6 6 | B 20 0 | 20 0 | 16 0 | 1 14 0 | 1 15 0 | 2 6 0 | 2 | | | |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 0 | 9 8 | ... | .. | ... | 9 8 | 8 8 | 7 8 | C 20 0 | 20 0 | 20 0 | Panga. 2 0 0 | 2 0 0 | 2 0 0 | 3 | | | |
| ... | ... | ... | ... | ... | ... | 11 14 | 10 8 | 8 0 to 9 0 | ... | ... | ... | 7 0 | 7 0 | 6 0 | D 20 0 Bombay 19 0 | Crushed 20 0 Bombay 19 0 | 20 0 18 8 | Crushed 1 12 0 Bombay 1 14 0 | 1 12 0 1 14 0 | 1 12 0 2 0 0 | 4 | | | |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 0 | 7 0 | ... | ... | .. | 7 0 | 7 4 | 6 4 | E 20 0 | Panga. 20 0 | 17 0 | Panga. 2 0 0 | 2 0 0 | 2 3 0 | 5 | | | |
| ... | ... | ... | ... | ... | ... | 9 0 | 8 8 | 8 8 | ... | ... | ... | 7 8 | 7 4 | 6 0 | F 22 0 | 16 0 | 16 0 | 1 8 0 | 1 14 0 | 2 8 0 | 6 | | | |
| ... | ... | ... | ... | ... | ... | 13 0 | 14 0 | 10 8 | ... | ... | ... | 10 0 | 10 0 | 8 0 | G 26 0 | 23 8 | 22 0 | Panga. 1 8 0 | 1 10 0 | 1 14 0 | 7 | | | |
| ... | ... | ... | 9 0 | 9 0 | 9 0 | 9 0 | 9 0 | 9 6 | 13 8 | 13 8 | 10 10 | 7 12 | 7 12 | 7 4 | 20 0 | 20 0 | 20 0 | Panga. 1 8 0 | 1 9 0 | 1 10 0 | 8 | | | |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 10 8 | ... | ... | ... | 8 8 | 6 8 | 6 8 | H 16 0 | 16 0 | 16 0 | Karkatch. 1 13 0 | 1 14 0 | 1 14 0 | 9 | | | |
| ... | ... | ... | ... | ... | ... | 14 0 | 11 8 | 12 0 | ... | ... | ... | 10 8 | 10 8 | 7 8 | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | 10 | | | |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 0 | 10 0 | ... | . | ... | 11 4 | 11 0 | 10 0 | J 23 12 | 23 12 | 20 0 | Panga. 1 11 0 | 1 11 0 | 1 13 0 | 11 | | | |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 9 0 | ... | ... | ... | 5 8 | 5 8 | 7 0 | K 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 6 0 | 12 | | | |
| ... | ... | ... | ... | ... | ... | 13 4 | 13 4 | 11 12 | 14 12 | 15 8 | 11 0 | 10 0 | 10 0 | 8 0 | L 19 0 | 19 0 | 19 0 | Panga. 2 0 0 | 2 0 0 | 2 0 0 | 13 | | | |
| ... | ... | ... | 12 5 | 12 0 | 8 0 | 13 5 | 15 8 | 9 8 | 13 5 | 15 0 | 9 8 | 9 8 | 8 8 | 6 8 | M 20 0 | 20 0 | 19 0 | 1 15 0 | 2 0 0 | 2 1 8 | 14 | | | |
| ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 11 8 | 15 0 | 15 0 | 10 0 | 11 0 | 10 0 | 8 0 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | 15 | | | |
| 15 0 | 14 0 | 15 0 | ... | ... | ... | 13 0 | 13 0 | 11 0 | 13 8 | 15 0 | 10 8 | 12 0 | New 12 0 Old 9 4 | 11 0 9 0 | O 21 0 | 21 0 | 20 0 | Panga. 1 14 0 | 1 14 0 | 2 0 0 | 16 | | | |
| 15 0 | 15 0 | 11 0 | ... | ... | ... | 13 8 | 13 8 | 12 0 | 15 8 | 15 8 | 12 0 | 9 8 | 9 0 | 8 0 | P 18 0 | 18 0 | 17 0 | 2 3 9 | 2 3 9 | 2 4 9 | 17 | | | |
| 15 0 | 15 0 | ... | ... | ... | ... | 12 0 | 12 0 | 10 0 | 14 4 | 15 0 | 10 8 | 9 0 | 9 0 | 8 8 | Q 19 0 | 18 0 | 18 0 | 2 1 6 | 2 1 6 | 2 1 6 | 18 | | | |
| 13 3 | 13 3 | 13 2 | ... | ... | ... | 11 0 | 12 1 | 12 0 | 13 3 | 14 12 | 11 0 | 8 12 | 8 12 | 7 11 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 | | | |

I. In the subdivisions the retail prices of salt per rupee are—Jangipur 20 seers; Lalbagh 20 seers; and Kandi 20 seers.
J. In the subdivisions the retail prices of salt per rupee are—Jhenida 19¼ seers; Magura 16 seers; Bangaon 21 seers; and Narail 14¾ seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. In the subdivisions the retail prices of salt per rupee are—Dinapore 16¼ seers; Barh 20 seers.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah 20 seers; and Jehanabad 20 seers.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua 20 seers; and Sasaram 20 seers.
O. In the subdivisions the retail prices of salt per rupee are—Siwan 22 seers (panga); Gopalganj 19¾ seers (panga).
P. At Bettiah the retail price of salt is 19 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 20 seers; Hajipur 19¼ seers.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 20 seers; Madhubani 19¾ seers.

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| **BIHAR—*concluded.*** | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division | 20 | Monghyr .. | 10 8 | 10 8 | 9 4 | 14 8 | 15 0 | 12 8 | 8 8 | 8 8 | 7 8 | 8 12 | 8 12 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur | 9 7 | 9 6 | 8 11 | 14 8 | 15 4 | 12 10 | 7 9 | 7 3 | 7 10 | 8 14 | 8 3 Rangoon. | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 0 | 8 0 | 9 0 | ... | ... | ... | 7 0 | 7 0 | 7 10⅔ | 9 8 | 10 0 | 8 0 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling .. | 6 8 | 6 8 | 5 0 | 8 0 | 8 0 | 6 8 | 4 0 | 4 0 | .. | 8 0 | 8 0 | 7 0 | ... | ... | . | ... | ... | ... |
| | 24 | Sonthal Parganas. | 8 8 | 9 0 | 7 0 | 12 0 | 11 0 | 9 8 | 9 4 | 9 4 | 7 0 | 10 4 | 10 4 | 8 0 | ... | ... | . | ... | ... | ... |
| **ORISSA.** | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 6 0 | 6 0 | 7 14 | ... | .. | ... | 10 8 | 11 2 | 7 8 | 10 8 | 11 2 | 7 14 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore . | 8 0 | 8 0 | 7 0 | ... | ... | ... | 11 0 | 11 4 | 7 0 | 11 8 | 12 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | 5 0 | 5 0 | 5 0 | ... | .. | ... | 15 0 | 15 0 | 7 0 | 15 0 | 15 0 | 7 0 | | ... | ... | ... | ... | ... |
| | 28 | Puri ... | 8 8 | 8 8 | 7 11 | . | ... | ... | 9 13 | 10 8 | 7 3 | 11 2 | 11 13 | 7 8 | ... | ... | — | ... | ... | ... |
| | 29 | Sambalpur... | 9 0 | 8 12 | 8 0 | ... | ... | ... | 11 0 | 12 0 | 8 8 | 12 0 | 12 8 | 9 8 | ... | ... | — | ... | ... | ... |
| **CHOTA NAGPUR** | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 8 | 6 12 | 12 0 | 12 0 | 9 0 | 8 8 | 8 8 | 6 8 | 9 4 | 9 4 | 7 0 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 7 8 to 8 0 | 7 8 to 8 0 | 6 8 to 7 0 | 13 0 | 13 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 8 | 10 8 | 7 8 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | 9 9 | 7 5 | 11 10 | 14 1 | .. | 6 3 | 5 10 | 7 5 | 9 9 | 10 2 | 8 7 | . | — | ... | . | — | — |
| | 33 | Manbhum | [illegible] | 8 8 | 7 8 | 10 0 | 10 8 | 8 0 | 10 0 | 10 0 | 7 0 | 11 0 | 11 0 | 7 8 | ... | ... | ... | 8 8 | 11 0 | — |
| | 34 | Singhbhum | 9 | 9 0 | 7 8 | ... | ... | ... | 7 8 | 7 8 | 5 8 | 9 8 | 9 8 | 6 0 | ... | — | ... | — | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers; Madhipura 13 seers; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers; Basantpur 16 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong 15½ seers; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers; Deoghur 20 seers; Pakour 20 seers; Jamtara 18 seers; and Rajmahal 20 seers.

CALCUTTA,
*The 6th May 1909.*

***Station Bazars of the districts of Bengal on the 30th April 1909*—concld.**

SEERS OF EIGHTY TOLAHS.

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chhola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dal*) or Thur, Cadjan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| — | ... | . | — | ... | ... | 13 8 | 13 8 | 11 8 | 13 8 | 13 8 | Not sold. | 9 12 | 10 4 | 9 0 | S 20 0 | 20 0 | 16 0 | 2 0 0 | 2 0 0 | 2 8 0 | 20 |
| ... | ... | ... | | .. | ... | 12 0 | 12 10 | 10 2 | 13 7 | 13 14 | 10 2 | 8 10 | New 8 8 | 7 9 | T 20 0 | 20 0 | 17 14 | 2 0 0 | Panga. 2 0 0 | 1 15 6 | 21 |
| ... | ... | ... | ... | ... | ... | 9 0 | 8 8 | 10 0 | 13 0 | 13 8 | ... | 7 8 | 7 4 | New 6 8 Old 6 0 | U 18 0 | 18 0 | 18 0 | 2 4 0 | Panga. 2 4 0 | 3 1 8 | 22 |
| 11 0 | 11 0 | 11 0 | ... | ... | ... | 8 0 | 8 0 | 7 8 | 15 0 | 15 0 | 10 8 | 5 4 | 5 4 | 5 4 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | 23 |
| ... | ... | .. | .. | ... | ... | 12 0 | 13 0 | 9 0 | 12 0 | 12 0 | 8 12 | 9 0 | 8 8 | 6 0 | W 18 0 | 18 0 | 16 0 | 2 3 6 | 2 3 6 | 2 8 0 | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 12 7 | 12 7 | 10 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 13 0 | Karkatch. 1 13 0 | 1 13 0 | 25 |
| ... | ... | ... | — | ... | — | Chhola. 11 4 / Biri. 11 4 | 9 12 / 11 4 | 8 8 / 9 0 | ... | ... | ... | 6 8 | 6 8 | 6 8 | Y 21 0 | 21 0 | 21 0 | 1 14 0 | Panga. 1 14 0 | 1 14 0 | 26 |
| ... | ... | ... | . | ... | ... | Biri. 9 0 | 9 0 | 8 0 | ... | ... | ... | 13 0 | 14 0 | 10 8 | Z 16 0 | 18 0 | 13 0 | 2 4 0 | 2 0 0 | 2 6 0 | 27 |
| ... | ... | . | .. | ... | ... | Biri. 11 2 | 10 8 | 9 13 | ... | ... | ... | 7 3 | 6 14 | 8 3 | a 25 0 | 25 0 | 26 0 | 1 9 0 | 1 10 0 | 1 8 0 | 28 |
| ... | ... | ... | ... | ... | ... | 11 0 | 10 8 | 8 8 | ... | ... | ... | 6 8 to 7 0 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | 29 |
| 14 8 | 14 8 | 9 0 | ... | ... | ... | 11 8 | 11 8 | 8 0 | 12 0 | 12 0 | 9 0 | 8 8 | 8 0 | 6 12 | 16 0 | 16 0 | 16 0 | 2 8 0 | 2 8 0 | 2 8 0 | 30 |
| 16 0 | 16 0 | 10 0 | ... | ... | ... | 10 8 | 11 0 | 8 0 | 14 0 | 12 0 | 8 0 | 5 0 to 8 0 | 5 0 to 8 0 | 5 0 to 7 0 | 17 0 | 17 8 | 16 0 | 2 6 0 | Panga. 2 6 0 | 2 8 0 | 31 |
| ... | ... | ... | ... | ... | — | 12 6 | 12 6 | 9 9 | ... | 14 1 | 9 9 | 9 0 | 11 4 | 7 5 | 18 9 | Panga. 19 2 | 18 9 | ... | ... | ... | 32 |
| ... | ... | ... | — | .. | ... | 10 8 | 9 4 | 9 0 | ... | 10 0 | 10 0 | 8 0 | 8 0 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 1 0 | Panga. 2 1 0 | 2 1 0 | 33 |
| ... | ... | ... | — | ... | ... | 9 0 | 9 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 1 0 | 2 6 0 | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga); Jajpur report not received.
Y. The retail price of salt at Bhadrak is 19 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bantla 16 seers (karkatch); Phulbani 13 seers.
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbad 16 seers; Jhalda 16 seers.

**Published for general information.**

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

***PRICES-CURRENT** (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 14 0 | 6 10 0 | 7 0 0 | 5 2 0 | 5 0 0 | 6 0 0 | 3 12 0 | 3 12 0 | 4 12 0 | 4 14 0 | 5 0 0 | 5 4 0 |
| 2 | Burdwan ... | 5 0 0 | 4 8 0 | 6 4 0 | 4 12 0 | 4 3 0 | 5 5 0 | 4 8 0 | 4 0 0 | 5 1 0 | ... | ... | ... |
| 3 | Midnapore ... | 5 2 0 | 5 0 0 | 6 12 0 | 4 0 0 | 3 14 0 | 5 14 0 | 3 11 0 | 3 11 0 | 5 3 0 | ... | ... | ... |
| 4 | Patna ... | 6 10 0 | 6 10 0 | 7 8 0 | 4 6 0 | 4 4 0 | 5 4 0 | 3 15 0 | 3 12 0 | 4 6 0 | 3 12 0 | 3 15 0 | 4 11 0 |
| 5 | Muzaffarpur .. | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 5 11 6 | 4 7 0 | 4 7 0 | 4 9 3 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur ... | 6 6 0 | 6 6 0 | 6 5 0 | 5 7 0 | 5 10 0 | 5 4 6 | 4 8 0 | 4 14 0 | 4 14 0 | 4 4 0 | 4 3 6 | New 4 8 0 / Old 5 4 6 |
| 7 | Cuttack ... | 7 3 0 | 7 3 0 | 7 3 0 | 3 12 11 | 3 9 6 | 5 5 4 | 3 12 11 | 3 9 6 | 5 1 3 | 6 10 8 | 6 10 8 | 5 1 3 |
| 8 | Sambalpur ... | 5 15 0 | 5 12 0 | 6 0 0 | 3 7 0 | 3 3 0 | 4 7 0 | 3 3 0 | 3 0 0 | 4 2 0 | 3 12 0 | 4 7 0 | 4 14 0 |
| 9 | Ranchi ... | 5 5 0 | 5 5 0 | 8 0 0 | 4 7 0 | 4 7 0 | 6 5 0 | 3 12 0 | 3 12 0 | 5 4 0 | 5 0 0 to 5 5 0 | 5 0 0 to 5 4 0 | 5 8 0 to 6 0 0 |

| No. | Marts | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 2 12 0 | 3 8 0 | 4 12 0 | 4 12 0 | 5 4 0 | 5 4 0 | 5 4 0 | 5 6 0 | 4 12 0 | 4 12 0 | 6 4 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 8 0 | 4 8 0 | 5 6 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 0 0 to 8 0 0 |
| 3 | Midnapore .. | ... | ... | ... | 5 4 0 | 5 4 0 | 6 0 0 | 4 14 0 | 4 14 0 | 5 6 0 | Black mustard. 5 8 0 / Rapeseed. 4 14 0 | 5 8 0 / 4 14 0 | 7 4 0 / 6 14 0 |
| 4 | Patna ... | 2 10 0 | 2 8 0 | 3 1 0 | 3 15 0 | 3 15 0 | 4 14 0 | 5 7 0 | 5 0 0 | 5 4 0 | 4 10 0 | 4 10 0 | 6 12 0 |
| 5 | Muzaffarpur ... | 2 12 0 | 2 10 6 | 3 13 0 | 4 7 0 | 4 7 0 | 4 7 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 3 4 0 | 2 14 0 | 3 2 6 | 4 10 2 | 4 3 6 | 5 11 0 | 5 4 0 | 5 4 0 | 5 1 0 | Rapeseed 4 0 0 / Mustard. 4 1 6 | 4 1 0 / 4 5 0 | 6 2 0 / 5 14 6 |
| 7 | Cuttack .. | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 8 | ... | ... | .. | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur .. | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 7 4 0 |
| 9 | Ranchi .. | ... | ... | ... | 5 0 0 to 8 0 0 | 5 0 0 to 8 0 0 | 6 8 0 to 8 0 0 | 5 0 0 | 5 8 0 | 10 0 0 | 5 8 0 | 5 10 0 | 9 0 0 |

*'he undermentioned Marts of Bengal on the 30th April 1909.*

'ORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 2 0 | 3 2 0 | 3 12 0 | ... | ... | ... | 2 12 0 | 2 10 0 | 5 12 0 | ... | ... | ... | 3 11 0 | 3 11 0 | 4 0 0 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 0 0 | 2 12 0 | 4 0 0 | 2 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 6 0 | 3 8 0 | 4 4 0 to 4 12 0 | 3 |
| 2 6 6 | 2 5 0 | 3 2 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 0 0 | 3 0 0 | 3 6 0 | 4 |
| 2 10 6 | 2 10 0 | 2 13 9 | ... | ... | ... | ... | ... | ... | 2 10 6 | 2 10 6 | ... | 3 5 3 | 3 5 3 | 4 0 0 | 5 |
| 2 14 0 | 2 10 0 | 3 2 6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 5 0 | 3 2 6 | 3 11 0 | 6 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bhi r kalai. 3 3 5 | 3 3 5 | 2 12 8 | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 1 0 | 3 10 0 | 4 9 0 | 8 |
| 3 1 0 | 3 1 0 | 5 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 10 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 4 0 | 6 0 0 | 4 12 0 | 4 12 0 | 5 0 0 | 18 0 0 | 18 0 0 | 18 0 0 | 5 12 0 | 5 12 0 | 5 8 0 | 1 |
| ... | ... | ... | 8 4 0 | 7 6 0 | 4 10 6 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 7 8 0 | 7 8 0 | 4 11 0 to 5 4 0 | 21 0 0 | 21 0 0 to 22 0 0 | 20 0 0 to 21 0 0 | ... | ... | ... | 3 |
| 5 4 0 | 5 0 0 | 8 0 0 | 4 8 0 to 5 0 0 | 4 1 0 to 5 0 0 | 5 0 0 | 18 8 0 | 18 0 0 | 16 0 0 to 19 0 0 | ... | ... | 3 0 0 to 5 0 0 | 4 |
| ... | ... | ... | 5 14 6 | 5 0 0 | 3 5 3 | ... | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 4 12 0 | 4 14 0 | 4 4 0 | 20 0 0 | 20 0 0 | 20 0 0 | ... | ... | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 0 0 | 5 12 0 | 5 0 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 4 8 0 | 8 |
| ... | ... | ... | 5 12 0 | 5 10 0 | 5 8 0 | 23 0 0 | 23 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco Leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. | Grass. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | | | | |
| 1 | Calcutta ... | 40 0 0 | 41 0 0 | 42 0 0 | 8 0 0 | 8 0 0 | 8 0 0 | 380 0 0 | 380 0 0 | 400 0 0 | 1 4 0 | 1 4 0 | 1 2 0 |
| 2 | Burdwan ... | 35 0 0 | 35 0 0 | 39 8 0 | ... | ... | ... | ... | ... | ... | ... | — | — |
| | | | | | Madhukhali | | | Uncleaned per piece. | | | | | |
| 3 | Midnapore ... | 36 0 0 to 38 0 0 | 36 0 0 to 39 0 0 | 37 0 0 to 42 0 0 | 13 0 0 | 13 0 0 | 9 8 0 | 2 12 0 to 3 8 0 | 2 12 0 to 3 [illegible] 0 | 2 4 0 to 3 0 0 | ... | — | ... |
| | | | | | Palta. | | | Cleaned per piece. | | | | | |
| | | | | | 14 8 0 | 14 8 0 | 11 0 0 | 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 2 8 0 to 3 4 0 | | | |
| | | | | | Deoni. | | | | | | | | |
| 4 | Patna ... | 31 0 0 to 35 0 0 | 30 0 0 to 35 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 0 0 to 1 0 0 | ... | ... | 33 0 0 to 38 0 0 | ... | ... | 0 8 0 |
| 5 | Muzaffarpur ... | 30 7 6 | 30 7 6 | 37 10 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | — | — | — | ... | ... |
| 6 | Bhagalpur ... | 32 0 0 | 32 8 0 | 41 0 0 | 12 0 0 | 10 0 0 | 12 0 0 | ... | ... | ... | ... | ... | — |
| 7 | Cuttack ... | 41 14 5 | 41 14 5 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| 8 | Sambalpur ... | 36 4 0 to 37 8 0 | 36 8 0 to 37 8 0 | 39 0 0 | 16 0 0 | 16 0 0 | 16 0 0 | 40 0 0 | 40 0 0 | 40 0 0 | ... | ... | ... |
| 9 | Ranchi ... | 34 12 0 | 35 8 0 | 40 0 0 | 8 0 0 to 13 0 0 | 8 0 0 to 13 0 0 | 10 0 0 to 16 0 0 | 3 8 0 | 3 8 0 | 3 0 0 to 3 8 0 | 0 10 0 | 0 10 0 | 0 12 0 |

| Number. | Marts. | Price per maund of Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. | Bran. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Panga. | | | | | | | | |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 0 | 1 8 0 | 1 9 0 | 1 10 0 | 1 12 0 | 1 12 0 | ... | 2 14 0 | 2 14 0 | ... |
| | | | | | Panga. | | | | | | | | |
| 2 | Burdwan ... | 0 9 0 | 0 9 0 | 0 8 0 | 1 12 0 | 1 11 0 | 1 11 0 Karkatch 1 14 0 | ... | ... | ... | 3 6 0 | 3 5 0 | ... |
| | | | | | Crushed. | | | | | | | | |
| 3 | Midnapore ... | 0 4 0 | 0 4 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | ... | ... | ... | 0 12 0 | 0 7 0 | ... |
| | | | | | Bombay. | | | | | | | | |
| | | | | | 1 14 0 | 1 11 0 | 2 0 0 | | | | | | |
| | | | | | Panga. | | | | | | | | |
| 4 | Patna ... | 0 6 6 | 0 6 6 | 0 6 6 | 2 0 0 | 2 0 0 | 2 0 0 | 1 0 0 | 1 0 0 | ... | 2 4 0 | 2 4 0 | ... |
| | | | | | Panga. | | | | | | | | |
| 5 | Muzaffarpur .. | 0 5 3 | 0 5 3 | 0 5 3 | 2 1 6 | 2 1 6 | 2 1 6 | 0 10 6 | 0 8 0 | ... | 3 1 3 | 3 1 3 | ... |
| | | | | | Panga. | | | | | | | | |
| 6 | Bhagalpur ... | 0 6 0 | 0 6 0 | 0 6 0 | 2 0 0 | 2 0 0 | 1 15 6 | 0 8 0 | 0 8 0 | ... | 2 8 0 | 2 0 0 | ... |
| | | | | | Karkatch. | | | | | | | | |
| 7 | Cuttack ... | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... | 0 10 0 | 0 10 0 | ... |
| | | | | | Karkatch. | | | | | | | | |
| 8 | Sambalpur .. | 0 4 0 | 0 4 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... | ... | ... | ... |
| | | | | | Panga. | | | | | | | | |
| 9 | Ranchi ... | 0 4 6 | 0 4 6 | 0 5 3 | 2 6 0 | 2 4 0 | 2 8 0 | 2 8 0 | 2 8 0 | ... | 3 0 0 | 3 0 0 | ... |

CALCUTTA,
*The 6th May 1909.*

***the undermentioned Marts of Bengal on the** 30th April 1909*—concld.

| Straw. | | | Juar stalks. | | | PRICE PER MAUND OF FORTY STANDARD SEERS. Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 0 12 0 | 0 12 0 | 1 0 0 | ... | ... | ... | 6 0 0 | 6 0 0 | 6 4 0 | Calcutta ... | 1 |
| 0 6 6 | 0 6 6 | 0 8 0 | — | ... | — | — | — | ... | Burdwan ... | 2 |
| 0 8 0 | 0 6 0 | 0 5 0 | — | ... | ... | 2 8 0 to 4 0 0 | 2 8 0 to 4 0 0 | 2 8 0 to 5 0 0 | Midnapore ... | 3 |
| 0 12 0 | 0 12 0 | 0 8 0 | .. | ... | ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | Patna ... | 4 |
| — | ... | ... | — | — | — | 8 0 0 | 8 0 0 | 10 0 0 | Muzaffarpur ... | 5 |
| ... | ... | . | .. | ... | ... | 4 8 0 | 5 0 0 | 5 4 0 | Bhagalpur ... | 6 |
| 0 9 0 | 0 9 0 | 0 9 0 | — | ... | ... | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | . | ... | ... | — | — | ... | ... | ... | Sambalpur . | 8 |
| 0 14 0 | 0 11 0 | 1 0 0 | ... | ... | ... | 5 0 0 | 5 6 0 | 6 0 0 | Ranchi ... | 9 |

| FORTY STANDARD SEERS. Oats. | | | Kerosine oil. | | | PRICE PER ANIMAL. Slaughter cattle. | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|
| | | | Per tin. (Elephant brand) | | | Cow. | | | |
| 3 8 0 | 3 6 0 | ... | 1 8 0 | 1 8 0 | ... | 12 0 0 to 42 0 0 | ... | Calcutta . | 1 |
| | | | | | | Calf. 6 0 0 to 6 0 0 | | | |
| | | | Per tin. (Bull brand.) | | | | | | |
| ... | ... | ... | 1 8 0 | 1 6 9 | ... | ... | ... | Burdwan ... | 2 |
| | | | Per tin. (Elephant brand.) | | | Full grown. | | | |
| 4 8 0 | 4 8 0 | .. | 2 0 0 | 1 7 0 | ... | 8 0 0 to 12 0 0 | 8 0 0 to 12 0 0 | Midnapore .. | 3 |
| | | | Per tin. | | | Goat. | | | |
| ... | ... | ... | 2 0 0 to 2 4 0 | 1 6 3 to 1 11 0 | (Victoria brand.) (Elephant brand.) | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | Patna .. | 4 |
| | | | Per tin. | | | Calf. | | | |
| 4 0 0 | 3 5 3 | ... | 1 8 0 | 1 8 0 | (Victoria brand ) | 15 0 0 to 30 0 0 | 15 0 0 to 30 0 0 | Muzaffarpur ... | 5 |
| | | | Per tin. | | | Goat. | | | |
| 3 3 0 | 3 6 0 | ... | 1 15 2 to 3 4 0 | 1 3 0 to 3 4 0 | (Swan brand.) (Snowflake brand ) | 5 0 0 to 20 0 0 | 5 0 0 to 20 0 0 | Bhagalpur ... | 6 |
| | | | Per tin. | | | Cow. | | | |
| 5 1 4 | 5 1 4 | ... | 1 8 6 | 1 8 6 | ... | Rs. 10 to Rs. 20. | Rs. 10 to Rs. 20. | Cuttack .. | 7 |
| | | | | | | Calf. | | | |
| | | | | | | Rs. 2 to Rs. 10. | Rs. 2 to Rs. 10. | | |
| | | | Per tin. | | | Full grown. | | | |
| ... | ... | ... | 2 1 9 to 3 7 0 | 1 6 0 to 3 7 0 | (Victoria brand ) (Snowflake brand.) | 3 8 0 | 3 8 0 | Sambalpur ... | 8 |
| | | | Per tin. | | | Full grown. | | | |
| 4 0 0 | 5 0 0 | ... | 2 5 0 to 3 8 0 | 1 14 0 to 3 10 0 | ... | 9 0 0 to 17 0 0 | 9 0 0 to 16 0 0 | Ranchi ... | 9 |
| | | | | | | Calf. 6 0 0 to 10 0 0 | 6 0 0 to 10 0 0 | | |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

No.

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Fibrous products: Jute, raw | Fibrous products: Gunny bags† | Oilseeds: Linseed | Oilseeds: Rape and Mustard |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Nos. | Mds | Mds |
| **BENGAL** | | | | | | | | | | | | |
| Burdwan ... ... | 263,906 | 150,279 | 297,830 | ..... | 665 | 1,164 | 157 | 313,814 | 27,716 | 207,778 | 4,156 | 8,699 |
| Birbhum ... ... | 184,125 | 6,153 | 187,984 | 42 | 55 | 2,964 | ..... | 191,044 | 46 | 22,400 | 4,070 | 675 |
| Bankura ... ... | 17,443 | 9,305 | 23,159 | ..... | 2 | ..... | ..... | 23,161 | 1,333 | 15,225 | ..... | ..... |
| Midnapore ... ... | 1,199,167 | 18,980 | 1,202,027 | 106 | 220 | 1,870 | 37 | 1,207,270 | 18,476 | 244,759 | 5,748 | 69 |
| Hooghly ... ... | 856,126 | 64,963 | 896,728 | 300 | 480 | 20,219 | 1,531 | 917,294 | 440,330 | 40,982,547 | 8,737 | 3,219 |
| 24-Parganas ... ... | 2,506,239 | 421,762 | 2,760,900 | ..... | 148 | 19,414 | 2,284 | 2,792,046 | 2,235,838 | 94,160,992 | 699 | 651 |
| Nadia ... ... | 30,141 | 4,157 | 32,728 | 14,647 | 513 | 143,701 | 116,876 | 658,155 | 915,692 | 187,104 | 74,375 | 2,381 |
| Murshidabad ... ... | 75,515 | 21,209 | 88,769 | 7,110 | 41 | 115,009 | 6,310 | 215,352 | 335,309 | 54,000 | 12,123 | 4,074 |
| Jessore ... ... | 42,389 | 4,164 | 44,971 | 169 | ..... | 42,521 | 545 | 88,193 | 408,461 | 22,750 | 3,098 | 1,130 |
| Khulna ... ... | 112,514 | 184,072 | 227,931 | 150 | 39 | 1,519 | 40 | 232,429 | 716,466 | 24,850 | 1,180 | 573 |
| Total Bengal ... | 5,218,513 | 885,626 | 5,772,029 | 22,519 | 2,163 | 716,604 | 127,808 | 6,641,123 | 5,120,577 | 135,941,516 | 114,186 | 22,371 |
| **BIHAR** | | | | | | | | | | | | |
| Patna ... ... | 1,734 | 10 | 1,749 | 596 | | 291,658 | 75,126 | 368,499 | 426 | 14,437 | 376,789 | 80,795 |
| Gaya ... ... | 405 | ..... | 405 | 103 | .. | 100,815 | 1,926 | 103,267 | ..... | 35,770 | 113,546 | 36,283 |
| Shahabad ... ... | 640 | ..... | 640 | 342 | 396 | 203,971 | 5,311 | 210,670 | ..... | 11,245 | 186,171 | 4,764 |
| Saran ... ... | 5 | ..... | 5 | 1,107 | 8 | 23,765 | 3,655 | 30,630 | 2,456 | 15,855 | 89,403 | 21,293 |
| Champaran ... ... | 73 | ..... | 79 | 1,206 | ..... | 29,774 | 1,428 | 46,484 | 2,896 | 6,230 | 271,898 | 91,326 |
| Muzaffarpur ... ... | 564 | ..... | 564 | 2,841 | ..... | 58,150 | 6,326 | 68,067 | 1,091 | 13,615 | 367,898 | 71,800 |
| Darbhanga ... ... | 864 | ..... | 864 | 2,930 | 65 | 71,972 | 7,300 | 86,151 | 9,145 | 10,150 | 363,026 | 79,216 |
| Monghyr ... ... | 82 | ..... | 82 | 57,048 | 647 | 451,896 | 15,060 | 525,733 | 7,960 | 53,305 | 242,842 | 155,401 |
| Bhagalpur ... ... | 3,052 | ..... | 3,052 | 61,594 | 959 | 88,896 | 62,190 | 216,721 | 127,097 | 13,475 | 203,997 | 177,090 |
| Purnea ... ... | 22 | 1,254 | 806 | 6,678 | ..... | 11,555 | 3,728 | 22,747 | 1,559,087 | 41,710 | 12,791 | 92,800 |
| Southal Parganas ... | 819 | 237 | 1,005 | 61,619 | ..... | 75,716 | 12,422 | 150,762 | 68,938 | 18,550 | 47,709 | 71,029 |
| Darjeeling ... ... | 12 | 10 | 18 | ..... | ..... | ..... | 99 | 111 | 158,517 | 4,650 | 122 | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 99 | 392 | ..... | ..... | 491 | 341,459 | 2,555 | 1,629 | 9,716 |
| Total Bihar ... | 8,278 | 1,571 | 9,230 | 173,983 | 2,467 | 1,415,639 | 208,891 | 1,816,300 | 2,262,552 | 733,387 | 2,307,701 | 887,185 |
| **ORISSA** | | | | | | | | | | | | |
| Cuttack ... ... | 91,298 | 1,044 | 91,950 | 717 | ..... | 11,495 | 1,258 | 105,420 | 9,280 | 88,480 | 198 | 853 |
| Balasore ... ... | 210,135 | 49,027 | 210,477 | ..... | ..... | 1,811 | 356 | 248,944 | 160,901 | 361,078 | 317 | ..... |
| Puri ... ... | 67,938 | ..... | 67,938 | ..... | ..... | ..... | ..... | 67,938 | ..... | 7,430 | ..... | ..... |
| Sambalpur ... ... | 96,510 | 13 | 96,548 | ..... | ..... | 34 | 1,072 | 97,654 | 388 | 910 | 1 | ..... |
| Mourbhanj State ... | 56,366 | 1,521 | 56,256 | ..... | ..... | ..... | ..... | 56,256 | 37 | 527 | 18 | ..... |
| Total Orissa ... | 527,216 | 51,605 | 559,169 | 717 | ..... | 13,340 | 2,686 | 576,212 | 170,606 | 458,483 | 534 | 853 |
| **CHOTA NAGPUR** | | | | | | | | | | | | |
| Hazaribagh ... ... | 2 | ..... | 2 | ..... | 73 | 257 | 235 | 2,867 | ..... | 15,575 | 772 | 1,121 |
| Ranchi ... ... | 104 | ..... | 104 | ..... | ..... | ..... | ..... | 101 | ..... | 1,715 | ..... | ..... |
| Palamau ... ... | 2 | 2 | 1 | 402 | ..... | 739 | ..... | 1,142 | ..... | 17,165 | 1,638 | 1,144 |
| Manbhum ... ... | 2,985 | 18 | 2,996 | ..... | 77 | 207 | ..... | 3,280 | ..... | 21,245 | 134 | 333 |
| Singhbhum ... | 18,677 | 6 | 18,684 | ..... | 67 | 428 | 14 | 49,190 | 197 | 16,800 | 741 | ..... |
| Gangpur (Tributary State) | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 80 | ..... | ..... | ..... |
| Total Chota Nagpur | 51,766 | 26 | 51,781 | 402 | 217 | 3,931 | 249 | 56,580 | 277 | 72,800 | 3,585 | 2,598 |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 5,805,772 | 938,828 | 6,392,539 | 197,621 | 4,847 | 2,144,574 | 339,634 | 9,084,215 | 7,563,012 | 137,206,186 | 2,426,006 | 913,097 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | | |
| E. B. and Assam ... | 2,025,778 | 92,593 | 2,083,649 | 37,142 | 2,691 | 95,999 | 19,231 | 2,238,712 | 20,894,665 | 2,075,610 | 112,718 | 514,502 |
| Burma ... | 9,096,121 | 3,022,586 | 11,547,612 | 198 | 758 | 84,960 | 95,298 | 11,728,426 | ..... | 24,378 | ..... | 8 |
| U. P. of Agra and Oudh | 2,757 | ..... | 2,757 | 1,761,708 | 22,217 | 515,416 | 56,678 | 2,360,776 | 23,624 | 69,195 | 544,630 | 933,307 |
| Punjab ... | 1,360 | 5 | 1,363 | 1,056,350 | 35,601 | 285,959 | 53,003 | 1,432,276 | ..... | 89,215 | ..... | 12,602 |
| Sind and British Baluchistan | 16,381 | ..... | 16,381 | 45,192 | ..... | 1,133 | 15 | 62,721 | ..... | 40 | ..... | ..... |
| Central Provinces and Berar | 70,958 | 2,355 | 72,429 | 78,475 | 162 | 172,811 | 3,025 | 326,902 | 274 | 12,015 | 31,906 | 21,616 |
| Bombay ... ... | 908 | 5 | 911 | 3,585 | 20 | 2,869 | 298 | 7,683 | ..... | 595 | ..... | 612 |
| Madras ... ... | 49,881 | 1,550 | 50,970 | ..... | ..... | 114,057 | 58,260 | 223,167 | ..... | 18,432 | ..... | 1,649 |
| Cochin ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Rajputana and Central India | ..... | ..... | ..... | 2,186 | 48 | 7,710 | 34 | 10,278 | ..... | 3,640 | 4,705 | 21,077 |
| Nizam's Territory ... | ..... | ..... | ..... | ..... | ..... | 190 | 1,406 | 1,596 | ..... | 35 | ..... | ..... |
| Mysore ... ... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 4 | ..... | ..... | ..... | ..... |
| Alleppey ... ... | ..... | ..... | ..... | ..... | ..... | ..... | 53 | 53 | ..... | 60 | ..... | ..... |
| Pondicherry ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 250 | ..... | ..... |
| Coco Islands ... ... | ..... | 37 | 23 | ..... | ..... | ..... | ..... | 23 | ..... | ..... | ..... | ..... |
| **GRAND TOTAL** 1909 .. | 17,069,916 | 4,957,756 | 20,108,514 | 3,184,757 | 66,314 | 3,430,178 | 626,030 | 27,476,732 | 28,481,575 | 139,498,581 | 3,119,971 | 2,418,380 |
| 1908 .. | 14,128,694 | 1,733,101 | 16,361,881 | 4,598,005 | 152,445 | 3,811,969 | 778,592 | 26,102,792 | 24,374,908 | 154,899,817 | 5,138,038 | 2,789,696 |
| 1907 | 16,186,503 | 5,084,662 | 18,364,416 | 1,312,185 | 207,773 | 3,942,777 | 478,421 | 27,345,572 | 26,140,145 | 148,187,459 | 3,344,038 | 2,513,039 |

* One maund of paddy is equivalent to 25 seers of rice.

† Including gunny cloth, 2 yards = 1 bag

I

*by Rail, Road, River, Canal and Sea (coastwise) in the eleven months, April 1908 to February 1909.*

| Tea, Indian | Cotton, raw | Silk, raw | Coal and coke | Indigo | Sugar: Refined | Sugar: Unrefined | Tobacco: Unmanufactured | Tobacco: Manufactured | Whence imported |
|---|---|---|---|---|---|---|---|---|---|
| Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | |
| | | | | | | | | | **Bengal** |
| 2 | 27 | 5 | 55,625,896 | ..... | 94 | 768 | 3,540 | 12 | Burdwan |
| ..... | 102 | 451¼ | ..... | ..... | ..... | ..... | 783 | 14 | Birbhum |
| ... | 285 | ..... | ..... | ..... | ..... | 8 | 112 | 2,691 | Bankura |
| 1 | 2,116 | 405½ | 10,356 | ..... | 91 | 35,552 | 648 | 68 | Midnapore |
| ..... | 3,466 | 2 | 120,971 | ..... | 1,874 | 35,130 | 53,694 | 3,525 | Hooghly |
| ... | 10,088 | ..... | 147,001 | ..... | 386,979 | 123,640 | 18,425 | 56,686 | 24-Parganas |
| ..... | 7,929 | ..... | ..... | 220 | 262 | 52,221 | 21,870 | 4 | Nadia |
| ..... | 595 | 8,148 | ..... | ..... | 21 | 5,371 | 2,239 | ..... | Murshidabad |
| ..... | 3,470 | ..... | ..... | ..... | ..... | 131,287 | 11,761 | ..... | Jessore |
| ..... | 1,9 5 | ..... | ..... | ..... | 200 | 63,735 | 317 | ..... | Khulna |
| 3 | 30,073 | 9,811¼ | 55,913,224 | 220 | 389,521 | 447,712 | 113,389 | 62,994 | Total Bengal |
| | | | | | | | | | **Bihar** |
| 6 | 129 | ..... | ..... | 10 | 503 | 1,239 | 14,533 | 18,362 | Patna |
| ..... | 355 | ..... | ..... | 6 | 162 | 12,414 | 2,387 | 10,256 | Gaya |
| ..... | 184 | ..... | ..... | 22 | 3,509 | 11,582 | 112 | 103 | Shahabad |
| ..... | 64 | ..... | ..... | 542 | ..... | 11,473 | 3,380 | 2 | Saran |
| ..... | 215 | 1,064 | ..... | 4,883 | ..... | 556 | 1,915 | ..... | Champaran |
| 266 | 1,285 | ..... | ..... | 6,349 | ..... | 6,649 | 16,063 | 83 | Muzaffarpur |
| 371 | 139 | ..... | ..... | 2,663 | ..... | 3,893 | 37,812 | 26 | Darbhanga |
| 1 | 3,007 | ..... | ..... | 3,460 | ..... | 605 | 6,436 | 4,409 | Monghyr |
| ..... | 42 | ..... | ..... | 707 | ..... | 74 | 4,469 | 3 | Bhagalpur |
| 113 | 87 | ..... | ..... | 1,058 | ..... | 203 | 94,607 | 868 | Purnea |
| 2 | 20 | 9 | 21,779 | 32 | ..... | ..... | 395 | 0 | Sonthal Parganas |
| 185,406 | ..... | ..... | 1,824 | ..... | ..... | ..... | 185 | 77 | Darjeeling |
| 13,578 | ..... | ..... | ..... | ..... | ..... | ..... | 10,640 | ..... | Cooch Behar |
| 190,743 | 5,527 | 1,073 | 23,603 | 23,012 | 4,174 | 48,088 | 193,793 | 34,198 | Total Bihar |
| | | | | | | | | | **Orissa** |
| ..... | 435 | 31¼ | ..... | ..... | ..... | ..... | 3 | 8 | Cuttack |
| ..... | 523 | ..... | ..... | ..... | ..... | ..... | 1,540 | 122 | Balasore |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Puri |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Sambalpur |
| ..... | 92 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mourbhanj State |
| | 1,050 | 31¼ | ..... | ..... | ..... | ..... | 1,543 | 130 | Total Orissa |
| | | | | | | | | | **Chota Nagpur** |
| ..... | 29 | ..... | 1,876,933 | ..... | ..... | ..... | 9 | ..... | Hazaribagh |
| 2,786 | ..... | ..... | ..... | ..... | ..... | ..... | 194 | ..... | Ranchi |
| ..... | 8 | ..... | 20,469 | ..... | ..... | ..... | ..... | ..... | Palamau |
| 1 | 35 | ..... | 71,116,062 | ..... | 120 | ..... | 572 | 2 | Manbhum |
| ..... | 429 | 12,4[illegible] | 5,841,982 | ..... | ..... | 594 | ..... | ..... | Singhbhum |
| 1 | ..... | 3[illegible] | ..... | ..... | ..... | ..... | ..... | ..... | Gangpur (Tributary State) |
| 2,788 | 498 | 15[illegible] | 78,855,446 | ..... | 120 | 594 | 575 | 2 | Total Chota Nagpur |
| 202,534 | 37,148 | 10,1[illegible] | 134,792,273 | 20,232 | 393,815 | 496,9[illegible] | 309,300 | 97,324 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | **Other Provinces and Places** |
| 1,664,611 | 110,502 | 7,232 | 8,195 | ..... | 225 | 818 | 188,247 | 18 | E. B. and Assam |
| ... | 31,571 | ..... | 1,361 | ..... | 13,570 | 25 | 23,409 | 2,623 | Burma |
| 1,794 | 325,921 | 58 | 2,096 | 4,057 | 1,106 | 11,766 | 6,134 | 336 | U. P. of Agra and Oudh |
| 408 | 29,440 | ..... | ..... | ..... | ... | 461 | 14 | 41 | Panjab |
| ..... | 7,460 | ..... | ..... | ..... | 4 | .. | 664 | 1 185 | Sind and British Baluchistan |
| 5 | 111,785 | 11 | ..... | ..... | ..... | 719 | 183 | 220 | Central Provinces and Berar |
| 146 | 83,337 | 39 | ..... | ..... | 5,652 | ..... | 2,6[illegible]8 | [illegible] | Bombay |
| 203 | 53,697 | 5[illegible] | ..... | ..... | 104,212 | ..... | 5,177 | 915 | Madras |
| 54 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | .. | Cochin |
| 1 | 10,727 | ..... | 45,291 | .. | ..... | 79 | ..... | 1 | Rajputana and Central India |
| 3 | 270 | ..... | ..... | . | . | . | 393 | ... | Nizam's Territory |
| ..... | ..... | ..... | ..... | ..... | ... .. | ..... | ..... | ..... | Mysore |
| ..... | ... . | ..... | ..... | ..... | .. | .. | .. . | .... | Alleppey |
| ..... | ..... | ..... | ..... | ..... | ... .. | ..... | ..... | 3 | Pondichery |
| ..... | ... . | ..... | ..... | . | .. | ... .. | ... | . | Coco Islands |
| 1,869,819 | 801 858 | 17,470 | 13,849,216 | 24,289 | 518,584 | 510,652 | 536,939 | 102,911 | 1909 } Grand Total |
| 2,024,859 | 911,504 | 15,352¼ | 129,861,989 | 27,439 | 466,941 | 465,171 | 586,577 | 44,182 | 1908 } Grand Total |
| 2,076,889 | 1,132,215 | 11,618 | 132,302,145 | 22,233 | 411,371 | 427,432 | [illegible] | 39,317 | 1907 } Grand Total |

## No. II

*Statement of the Routes by which the Articles enumerated in Table No. I were imported into the Calcutta Trade Block in the eleven months, April 1908 to February 1909.*

| Routes | Food-grains | | | | | | Fibrous products | | Oilseeds | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy* | Wheat | Wheat flour | Gram and pulse | Other food-grains | Jute, raw | Gunny-bags† | Linseed | Rape and Mustard |
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | No. | Mds | Mds |
| By boat ... ... ... | 4,511,158 | 491,095 | 8,819 | 986 | 237,473 | 1,486 | 4,048,083 | 130,630,774 | 49,600 | 20,285 |
| „ river steamer ... | 55,049 | 61,906 | 5,283 | 199 | 78,870 | 8,197 | 3,482,967 | 223,100 | 46,053 | 437,112 |
| „ rail: E. I. Railway | 425,862 | 71,324 | 3,007,144 | 60,916 | 2,128,029 | 313,861 | 1,754,316 | 699,265 | 2,898,285 | 1,813,460 |
| „ rail: E. B. S. Railway (including E. C. Railway) | 1,109,640 | 207,016 | 48,067 | 3,223 | 647,309 | 142,038 | 18,280,755 | 4,739,770 | 151,378 | 135,171 |
| „ rail: A.-B. Railway | 1,903 | 1,144 | ..... | 38 | ..... | ..... | 47,240 | 6,580 | ..... | 42 |
| „ rail: B.-N. Railway | 843,633 | 61,953 | 68,085 | 204 | 147,218 | 27,029 | 20,782 | 604,765 | 34,113 | 9,623 |
| „ rail: D.-S. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,765 | ..... | ..... |
| „ rail: B. P. Railway | 7 | ..... | ..... | ..... | ..... | ..... | ..... | 2,240 | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 8,769 | 148 | . | ..... | 9 | ..... | 2,789 | 50,050 | 148 | ... |
| „ road ... ... | 925,506 | 103,660 | 22 | ..... | 15,243 | 3,450 | 284,894 | 2,484,607 | 360 | 745 |
| „ sea ... ... ... | 9,188,380 | 3,959,510 | 47,337 | 778 | 176,067 | 130,278 | 159,749 | 54,605 | 34 | 1,933 |
| Total ... 1909 ... | 17,069,916 | 4,057,756 | 3,184,757 | 66,344 | 3,470,178 | 626,939 | 28,481,575 | 139,498,581 | 3,119,971 | 2,418,380 |
| Total ... 1908 ... | 14,128,694 | 4,533,101 | 4,398,005 | 152,415 | 3,811,869 | 778,592 | 24,354,908 | 151,899,817 | 5,138,038 | 2,789,696 |
| Total ... 1907 ... | 15,186,503 | 5,084,562 | 4,312,185 | 207,773 | 3,952,777 | 478,421 | 26,149,145 | 148,487,459 | 3,344,938 | 2,513,039 |

| Routes | Tea, Indian | Cotton, raw | Silk, raw | Coal and coke | Indigo | Sugar: Refined | Sugar: Unrefined | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | ..... | 12,431 | 3 | 15,565 | ..... | 8,163 | 239,994 | 69,772 | 610 |
| „ river steamer ... | 846,096 | 36,353 | 2,291 | 7,963 | 3,167 | 250 | 4,982 | 14,102 | 22,656 |
| „ rail: E. I. Railway | 2,977 | 375,309 | 6774 | 102,865,501 | 20,836 | 2,314 | 56,470 | 78,898 | 11,099 |
| „ rail: E. B. S. Railway (including E. C. Railway) | 733,331 | 19,781 | 14,376 | 521,465 | 216 | ..... | 93,251 | 304,021 | 332 |
| „ rail: A.-B. Railway | 148,453 | 3,444 | ..... | 232 | ..... | ..... | ..... | ..... | ..... |
| „ rail: B.-N. Railway | 2,765 | 122,606 | 9044 | 31,320,908 | ..... | 21,290 | 344 | 8,196 | 3,381 |
| „ rail: D.-S. Railway | 126,013 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: B. P. Railway | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | ..... | ..... | ..... | ..... | ..... | ..... | 18 | 12 | 2 |
| „ road ... ... ... | ..... | 6,496 | ..... | 176,221 | ..... | 381,280 | 115,568 | 35,242 | 60,199 |
| „ sea ... ... ... | 10,164 | 225,437 | 39 | 1,361 | ..... | 102,287 | 15 | 25,796 | 4,632 |
| Total ... 1909 ... | 1,869,819 | 801,858 | 17,476 | 134,819,216 | 24,289 | 518,584 | 510,652 | 536,039 | 102,911 |
| Total ... 1908 ... | 2,024,859 | 911,504 | 15,352 | 129,861,989 | 27,439 | 466,041 | 465,171 | 585,577 | 44,182 |
| Total ... 1907 ... | 2,076,889 | 1,132,215 | 11,018 | 132,303,145 | 22,233 | 411,371 | 427,432 | 537,459 | 39,317 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No. III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the eleven months, April 1908 to February 1909.*

| | Cotton piece-goods | | Cotton yarn | | Salt | Kerosene oil |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Rs | Rs | Mds | Mds | Mds | Mds |
| United Kingdom ... | 13,02,10,640 | ..... | 80,851 | ..... | 4,430,677 | 3 |
| Other countries ... | 24,02,678 | ..... | 25,247 | ..... | 7,207,793 | 2,908,748 |
| Total ... | 13,26,13,318 | ..... | 106,098 | ..... | 11,638,470 | 2,908,751 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal ... | ..... | 450 | ..... | 59 | ..... | — |
| Eastern Bengal and Assam ... | 2,975 | 720 | ..... | ..... | ..... | ..... |
| Bombay ... | 5,521 | 1,21,20,296 | 181 | 147,182 | 876,404 | ..... |
| Sind and British Baluchistan ... | 4,420 | ..... | ..... | ..... | ..... | ..... |
| Madras ... | 12,045 | 4,07,325 | ..... | ..... | 709 | ..... |
| Burma ... | 75,010 | 44,320 | 16 | 87 | ..... | 2,623,519 |
| Total ... | 99,971 | 1,25,73,111 | 197 | 147,328 | 877,113 | 2,623,519 |
| Total ... 1909 ... | 13,27,13,289 | 1,25,73,111 | 106,295 | 147,328 | 12,515,583 | 5,532,270 |
| Total ... 1908 ... | 20,10,37,822 | 1,64,36,427 | 131,503 | 128,378 | 12,367,650 | 4,576,509 |
| Total ... 1907 ... | 15,59,82,480 | 75,95,511 | 117,182 | 108,315 | 10,332,472 | 4,175,952 |

## No. IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the eleven months, April 1908 to February 1909.*

| | Food-grains | | | | | | | | Fibrous products | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | Jute, raw | Gunny bags |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | No. |
| To British ports in— | | | | | | | | | | |
| Bengal ... ... | 147,526 | 97,313 | 208,347 | 1 | 1,489 | 1,814 | 8 | 211,659 | ..... | 76,350 |
| Eastern Bengal and Assam. | 20 | ..... | 20 | 68 | 10,484 | 9,151 | 17 | 19,740 | ..... | 257,747 |
| Bombay ... .. | 117,474 | ..... | 117,474 | 114 | ..... | 299 | 6,765 | 124,682 | ..... | 23,613,925 |
| Sind and British Baluchistan. | 200 | ..... | 200 | . | ..... | ..... | ..... | 200 | ..... | 6,724,050 |
| Madras ... ... | 99,823 | 500 | 100,135 | 3,927 | 14,970 | 167,618 | 5,520 | 231,470 | 22 | 10,031,657 |
| Burma ... ... | 25,800 | ..... | 25,500 | 45,501 | 153,137 | 330,410 | 39,012 | 597,560 | 459 | 32,536,024 |
| To Indian ports not British— | | | | | | | | | | |
| Kathiawar ... | ..... | | ..... | ..... | ..... | ..... | ..... | ..... | 15 | ..... |
| Pondichery ... | ..... | ..... | ..... | ..... | 226 | 298 | ..... | 524 | ..... | 712,800 |
| Goa ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | | 37,500 |
| Alleppey ... | 1,367 | . | 1,367 | | ..... | ..... | . | 1,367 | 77 | 88,600 |
| Total ... | 391,910 | 97,813 | 453,043 | 48,911 | 180,306 | 423,290 | 51,322 | 1,187,202 | 573 | 74,678,553 |
| *To Foreign countries—* | | | | | | | | | | |
| United Kingdom | 193,260 | ..... | 193,260 | ..... | ..... | 33,866 | ..... | 227,126 | 7,139,428 | 46,362,575 |
| Other countries | 3,396,368 | 1,076 | 3,597,040 | 18,112 | 45,404 | 197,973 | 21,374 | 3,679,933 | 12,937,298 | 535,794,605 |
| Total ... | 3,589,628 | 1,076 | 3,590,300 | 18,112 | 45,404 | 231,839 | 21,374 | 3,907,059 | 20,076,726 | 582,157,180 |
| Total ... 1909 ... | 3,981,538 | 98,889 | 4,043,343 | 67,083 | 225,710 | 685,429 | 72,696 | 5,094,261 | 20,077,300 | 656,835,733 |
| Total ... 1908 .. | 3,178,118 | 4,945 | 3,181,268 | 195,935 | 439,808 | 846,436 | 99,109 | 4,762,436 | 15,455,291 | 703,835,630 |
| Total ... 1907 .. | 4,997,539 | 1,048 | 4,998,194 | 17[illegible]68 | 413,845 | 784,026 | 87,[illegible]65 | 6,459,598 | 17,854,311 | 600,187,319 |

| | Oilseeds | | Tea, Indian | Cotton, raw | Silk, raw | Coal and coke | Indigo | Sugar | | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Linseed | Rape and Mustard | | | | | | Refined | Unrefined | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... | ..... | 7 | 20 | 17 | ..... | 79,978 | ..... | 5,448 | 699 | 3,874 | 239 |
| Eastern Bengal and Assam. | ..... | ... | ..... | ..... | ..... | 575,422 | ..... | 15,222 | 3,983 | 60 | 26 |
| Bombay .. .. | 1,701 | 6,537 | 36,697 | .. | ..... | 26,324,432 | 112 | 5,957 | 9 | .. | 4[illegible]9 |
| Sind and British Baluchistan. | 139 | ... | 1,060 | ..... | . | 15,462,358 | | ..... | ... | ..... | 598 |
| Madras ... ... | 2,103 | 24,865 | 2,613 | ... | ..... | 10,441,057 | 183 | 2,610 | 50 | 5 | 1,237 |
| Burma ... ... | 15,998 | 10,073 | 7,962 | 314 | 299 | 9,266,306 | 5 | 13,465 | 18,534 | 139,254 | 3,650 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | .. | ... | 46 | | ..... | 411,056 | ... | ... | ... | ..... | ..... |
| Pondichery ... | ..... | ... | ..... | 10,993 | ..... | 125,222 | ..... | 19 | ..... | ..... | ..... |
| Goa ... ... | ..... | ... | .. | ..... | ..... | 1,251,377 | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | . | ..... | | ..... | . | 104 | ..... | | | ... | 24 |
| Total ... | 19,941 | 41,482 | 48,287 | 11,106 | 299 | 63,937,372 | 300 | 42,711 | 23,275 | 143,194 | 6,213 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 1,595,512 | 49,042 | 1,472,599 | 20,502 | 2,860 | 489 | 7,202 | ..... | ..... | ..... | 238 |
| Other countries | 1,350,914 | 641,973 | 573,207 | 330,871 | 8,433 | 15,175,870 | 8,514 | 2,219 | 5 | 10,268 | 3,247 |
| Total ... | 2,946,420 | 691,015 | 2,045,806 | 351,373 | 11,293 | 15,176,359 | 15,716 | 2,219 | 5 | 10,268 | 3,485 |
| Total ... 1909 ... | 2,966,367 | 732,497 | 2,094,093 | 362,479 | 11,592 | 78,113,731 | 16,016 | 44,930 | 23,280 | 153,461 | 9,698 |
| Total ... 1908 ... | 3,342,833 | 760,028 | 2,044,884 | 449,025 | 13,885 | 72,057,471 | 14,593 | 67,205 | 21,302 | 226,372 | 11,464 |
| Total ... 1907 ... | 3,221,220 | 211,986 | 2,116,820 | 693,448 | 14,177 | 80,514,400 | 18,077 | 71,596 | 15,501 | 180,111 | 8,581 |

## No. V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the eleven months, April 1908 to February 1909*

| Whither exported | Cotton piece-goods* | | Cotton yarn | | Salt | Kerosene oil | | Gunny bags† |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta | From Budge-Budge | |
| | Rs | Rs | Mds | Mds | Mds | Mds | Mds | No |
| **Bengal** | | | | | | | | |
| Burdwan | 30,12,061 | 2,21,615 | 1,787 | 13,025 | 344,854 | 4,440 | 120,480 | 548,758 |
| Birbhum | 18,52,911 | 79,242 | 632 | 14,317 | 194,797 | 324 | 38,794 | 322,350 |
| Bankura | 6,27,250 | 21,520 | ... | 9,526 | 110,389 | 33 | 40 | 59,745 |
| Midnapore | 26,19,021 | 6,41,988 | 8,159 | 12,541 | 442,953 | 2,519 | 122,228 | 249,811 |
| Hooghly | 12,00,136 | 7,41,764 | 5,412 | 1,341 | 245,891 | 33,561 | 110,866 | 326,094 |
| 24-Parganas | 18,73,007 | 14,01,474 | 4,327 | 1,314 | 177,236 | 144,373 | 137,538 | 529,723 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 829,411 | ..... |
| Nadia | 35,16,851 | 5,90,603 | 6,675 | 15,292 | 227,690 | 9,892 | 101,250 | 423,448 |
| Murshidabad | 16,80,802 | 1,68,215 | 829 | 4,430 | 206,009 | 1,128 | 70,843 | 156,185 |
| Jessore | 70,778 | 10,49,750 | 161 | 11,130 | 122,052 | 18,139 | 90,977 | 63,640 |
| Khulna | 2,99,656 | 8,75,707 | 853 | 2,202 | 109,321 | 42,374 | 34,502 | 89,785 |
| Total Bengal | 1,67,57,453 | 57,91,883 | 28,835 | 85,118 | 2,175,193 | 256,783 | 1,655,975 | 2,760,530 |
| **Bihar** | | | | | | | | |
| Patna | 31,26,936 | 36,641 | 3,721 | 8,521 | 303,733 | [illegible] | 195,061 | 1,102,320 |
| Gaya | 20,47,982 | 20,665 | 161 | 21,063 | 191,863 | 128 | 67,069 | 140,280 |
| Shahabad | 47,[illegible] | 23,888 | 132 | 4,188 | 188,286 | 434 | 46,187 | 217,560 |
| Saran | 39,08,555 | 27,000 | 118 | 3,215 | 206,334 | 284 | 31,850 | 324,535 |
| Champaran | 52,65,009 | 81,899 | 296 | 5,916 | 240,674 | 1,021 | 51,002 | 427,105 |
| Muzaffarpur | 48,27,407 | 20,089 | 17 | 2,760 | 333,292 | 1,839 | 75,941 | 436,800 |
| Darbhanga | 44,11,238 | 34,300 | 186 | 10,434 | 342,494 | 1,311 | 88,445 | 465,480 |
| Monghyr | 28,84,911 | 20,660 | 344 | 11,862 | 350,902 | 572 | 76,452 | 853,510 |
| Bhagalpur | 49,00,521 | 1,05,689 | 895 | 10,026 | 265,874 | 230 | 72,036 | 596,550 |
| Purnea | 32,48,508 | 1,33,423 | 899 | 9,799 | 372,607 | 1,079 | 90,777 | 174,210 |
| Sonthal Parganas | 19,17,240 | 26,501 | 532 | 18,878 | 185,853 | 580 | 81,665 | 375,550 |
| Darjeeling | 11,46,118 | 2,70,732 | 153 | 4,654 | 82,390 | 1,038 | 26,480 | 36,015 |
| Cooch Behar | 7,89,790 | 78,886 | 11 | 862 | 46,022 | 1,643 | 5,279 | 99,190 |
| Total Bihar | 4,32,52,707 | 8,80,273 | 7,445 | 112,237 | 3,115,923 | 11,146 | 908,346 | 5,249,125 |
| **Orissa** | | | | | | | | |
| Cuttack | 9,20,904 | 27,818 | 5 | 21,767 | 21,780 | 196 | ... | 259,245 |
| Balasore | 5,95,636 | 8,461 | 2,425 | 26,186 | 205,118 | 124 | 15,612 | 303,246 |
| Puri | 1,80,679 | 2,690 | 6 | 3,648 | 40 | 90 | ... | 50,085 |
| Sambalpur | 2,87,411 | 2,652 | ... | 639 | 497 | 181 | ..... | 200,165 |
| Mourbhanj State | 1,14,640 | 1,304 | ..... | 268 | 12,205 | 53 | ... | 6,225 |
| Total Orissa | 20,09,369 | 42,925 | 2,436 | 52,508 | 309,640 | 644 | 15,612 | 820,966 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | 7,76,818 | 40,299 | 38 | 6,633 | 120,547 | 611 | 10,287 | 16,695 |
| Ranchi | 6,39,675 | 60,493 | 20 | 1,060 | 115,021 | 284 | 4,868 | 26,250 |
| Palamau | 5,74,620 | 24,843 | 6 | 190 | 66,110 | 73 | 6,772 | 17,465 |
| Manbhum | 15,87,162 | 33,028 | 22 | 11,813 | 209,162 | 3,795 | 58,755 | 62,260 |
| Singhbhum | 4,63,002 | 11,256 | ..... | 2,807 | 126,848 | 367 | 44 | 78,470 |
| Gangpur (Tributary State) | 9,[illegible] | 399 | | 13 | 1,485 | 129 | 350 | 14,805 |
| Total Chota Nagpur | 41,40,459 | 1,79,318 | 86 | 23,016 | 639,173 | 5,258 | 90,075 | 215,950 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 6,61,59,988 | 68,94,399 | 38,802 | 272,879 | 6,239,029 | 273,831 | 2,680,008 | 9,055,580 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 4,25,99,591 | 78,18,693 | 85,630 | 69,297 | 3,074,538 | 171,791 | 1,306,957 | 2,630,564 |
| Burma | 8,73,713 | 2,67,581 | 8,260 | 57,358 | 154 | ... | 1 | 32,136,024 |
| U. P. of Agra and Oudh | 3,75,02,205 | 4,60,270 | 8,091 | 5,791 | 478,950 | 6,890 | 714,319 | 3,082,004 |
| Panjab | 75,14,526 | 91,275 | 6,592 | 468 | 384 | 1,286 | 37,459 | 5,039,934 |
| Sind and British Baluchistan | 1,157 | ..... | ..... | ..... | ..... | ..... | ... | 6,761,075 |
| Kashmir Territory | 247 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Central Provinces and Berar | 12,[illegible],860 | 20,064 | 476 | 603 | 7,187 | 988 | 10,114 | 2,168,295 |
| Bombay | 1,15,846 | 32,985 | ... | 790 | ..... | ..... | ... | 27,286,440 |
| Madras | 9,40,454 | 86,066 | 429 | 13,125 | 1,275 | 292 | 728 | 11,933,613 |
| Rajputana and Central India | 13,70,396 | 18,391 | 566 | 6 | 1 | 1,061 | 13,416 | 178,759 |
| Nizam's Territory | 94,358 | | 31 | 320 | ..... | ..... | ..... | 190,081 |
| Mysore | 7,248 | 223 | ..... | ... | ... | ... | ..... | 347,826 |
| Alleppey | ... | ... | ..... | ..... | ..... | ... | ..... | 88,660 |
| Goa | ..... | ... | ... | ..... | ..... | ..... | ..... | 37,500 |
| Pondichery | 3,827 | ..... | ... | ..... | ..... | ..... | ..... | 712,800 |
| Port Blair | 4,818 | 345 | 1 | 475 | ..... | ..... | 374 | ... |
| Nicobar | 928 | 882 | ..... | ... | ..... | ..... | 71 | 800 |
| Kathiawar | 190 | ..... | ..... | ... | ... | | ..... | ..... |
| Grand Total 1909 | 15,84,51,012 | 1,56,91,174 | 140,778 | 421,162 | 9,802,417 | 456,139 | 4,793,487 | 100,106,554 |
| Grand Total 1908 | 16,20,94,582 | 1,28,21,598 | 185,870 | 430,358 | 9,428,972 | 447,882 | 4,519,964 | 114,855,157 |
| Grand Total 1907 | 15,77,22,735 | 62,14,003 | 203,838 | 371,413 | 9,829,338 | 470,271 | 4,206,508‡ | 93,939,927 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

‡ Represents the trade registered at the traffic registering stations only.

## No. VI

*Statement of the Routes by which the Articles enumerated in Table No. V were exported from the Calcutta Trade Block in the eleven months, April 1908 to February 1909.*

| Routes | Cotton piece-goods* | | Cotton yarn | | Salt | Kerosene oil | | Gunny-bags† |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta | From Budge-Budge | |
| | Rs | Rs | Mds | Mds | Mds | Mds | Mds | No |
| By boat | 10,04,500 | 13,46,790 | 9,602 | 38 | 1,255,368 | 329,720 | 331,385 | 422,392 |
| „ river steamer | 2,64,38,887 | 29,54,564 | 81,130 | 24,431 | 1,906,440 | 33,165 | 964,047 | 1,772,995 |
| „ rail: E. I. Railway | 4,63,66,591 | 7,46,169 | 11,386 | 104,605 | 1,718,435 | 14,100 | 1,123,367 | 6,443,535 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 2,90,53,541 | 50,83,915 | 13,537 | 79,430 | 2,029,279 | 22,854 | 1,507,872 | 1,956,290 |
| „ rail: A.-B. Railway | 23,86,930 | 32,00,088 | 6,605 | 18,527 | 4,816 | 4,577 | 4,542 | 301,140 |
| „ rail: B.-N. Railway | 73,65,840 | 2,66,832 | 524 | 85,085 | 879,040 | 3,596 | 17,705 | 3,050,355 |
| „ rail: B. and N.-W. Railway | 3,13,11,927 | 2,62,090 | 2,683 | 27,322 | 1,797,361 | 6,779 | 438,031 | 3,267,740 |
| „ rail: O. and R. Railway | 63,11,783 | 44,762 | 493 | 103 | ..... | 457 | 293,010 | 407,759 |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 6,93,653 | ..... | 1,955 | ..... | 14,943 | 2,368 | ..... | 6,265 |
| „ rail: Minor Railways | 44,55,504 | 2,08,656 | 5,680 | 7,355 | 19,527 | 2,057 | 25,389 | 7,619,969 |
| „ road | 17,69,470 | 12,83,115 | 5,153 | 1,492 | 97,066 | 136,463 | 12,600 | 179,570 |
| „ sea | 12,93,377 | 2,93,375 | 11,031 | 72,774 | 85,142 | ..... | 15,539 | 74,678,553 |
| Total 1909 | 15,84,51,012 | 1,56,91,174 | 149,778 | 421,103 | 9,802,417 | 456,139 | 4,793,487 | 100,106,554 |
| Total 1908 | 16,20,94,582 | 1,28,21,598 | 185,870 | 430,358 | 9,428,972 | 447,682 | 4,519,964 | 114,855,157 |
| Total 1907 | 15,77,22,735 | 62,41,003 | 203,838 | 371,413 | 9,829,338 | 470,271 | 4,206,508 | 93,039,927 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.
† Including gunny cloth, 2 yards = 1 bag.

*May 11, 1909.*

F. Noel-Paton,
*Director-General of Commercial Intelligence.*

J. G. Cumming,
*Offg. Secretary to the Government of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of March 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1908-09. | | | | | | 1907-08. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | 221 | 25,727 | 720 | 121,675 | 72 | 8,379 | 4,061 | 32,396 | 124,246 | 314,644 | 1,456 | 10,410 |
| Kendrapara ditto ... | 5,726 | 46,017 | 60,274 | 228,559 | 4,487 | 35,563 | 3,334 | 38,009 | 50,863 | 279,037 | 3,019 | 29,703 |
| High Level, Range I | 1,763 | 14,647 | 31,463 | 122,248 | 1,550 | 10,910 | 1,989 | 13,794 | 27,828 | 108,093 | 1,554 | 9,859 |
| High Level, Range II | 635 | 5,951 | 22,813 | 65,648 | 225 | 1,619 | 1,285 | 6,516 | 26,081 | 60,140 | 396 | 1,695 |
| High Level, Range III | 417 | 4,338 | 3,827 | 31,015 | 54 | 384 | 53 | 733 | 4,722 | 21,231 | 48 | 266 |
| Jajpur Canal ... | 299 | 2,711 | 6,519 | 46,777 | 47 | 514 | 403 | 2,802 | 12,462 | 47,943 | 87 | 547 |
| Total Orissa Canals | 9,061 | 99,391 | 125,616 | 615,922 | 6,435 | 57,369 | 11,125 | 94,250 | 246,202 | 771,088 | 6,560 | 52,480 |
| Midnapore Canal ... | 6,966 | 78,984 | 14,222 | 104,707 | 3,678 | 33,936 | 5,941 | 78,489 | 10,092 | 91,454 | 2,688 | 35,216 |
| Hijili Tidal Canal ... | 8,422 | 87,986 | 1,884 | 34,972 | 5,881 | 61,671 | 5,829 | 75,947 | 8,152 | 36,717 | 3,980 | 54,004 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 575 | 6,177 | 79,523 | 559,354 | 759 | 6,872 | 778 | 12,257 | 341,251 | 1,183,692 | 1,298 | 13,738 |
| Arrah ditto ... | 119 | 1,677 | 89,996 | 854,984 | 420 | 4,224 | 196 | 2,266 | 213,730 | 1,260,966 | 766 | 5,811 |
| Buxar ditto ... | 152 | 1,792 | 21,877 | 141,111 | 200 | 1,479 | 111 | 7,762 | 107,260 | 381,117 | 247 | 6,741 |
| Total Sone Canals ... | 846 | 9,646 | 191,396 | 1,555,449 | 1,379 | 12,575 | 1,085 | 22,285 | 6,62,241 | 28,25,745 | 2,311 | 26,290 |
| Grand Total ... | 25,295 | 276,007 | 333,118 | 2,311,050 | 17,373 | 1,65,551 | 23,980 | 270,971 | 9,26,687 | 37,25,004 | 15,539 | 167,990 |

Calcutta,
*The 10th May 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of March 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1908-09. | | | | | | 1907-08. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 52,820 | 483,468 | 2,150 | 28,393 | 32,908 | 3,19,608 | 59,264 | 530,710 | 2,096 | 27,849 | 38,235 | 3,48,770 |
| Tolly's Nala ... ... | 20,390 | 238,804 | 300 | 20,257 | 7,279 | 84,891 | 21,938 | 229,666 | 1,511 | 28,683 | 6,951 | 74,790 |
| Madaripur Bhil Route ... | 1,280 | 102,607 | 331 | 11,049 | 813 | 37,805 | Traffic stopped. | 177,533 | Traffic stopped. | 5,666 | Traffic stopped. | 61,304 |
| Total ... | 74,490 | 824,879 | 2,781 | 59,699 | 40,900 | 4,41,804 | 81,202 | 937,909 | 3,607 | 62,198 | 45,186 | 4,84,864 |
| Orissa Coast Canal ... | 5,094 | 58,628 | 24,372 | 164,715 | 2,180 | 25,799 | 3,521 | 50,758 | 14,800 | 139,465 | 1,467 | 22,638 |
| Nadia Rivers ... | 6,489 | 100,725 | ..... | 202,122 | 2,294 | 28,727 | 4,754 | 139,315 | Nil | 183,944 | 1,680 | 35,140 |
| Grand Total ... | 86,073 | 984,232 | 27,153 | 426,536 | 45,374 | 4,96,330 | 89,477 | 1,127,982 | 18,407 | 385,607 | 48,333 | 5,42,642 |

Calcutta,
*The 10th May 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

# METEOROLOGICAL REPORT OF THE PROVINCES OF EASTERN BENGAL AND ASSAM AND OF BENGAL FOR THE MONTH OF MARCH 1909.

| Meteorological Division. | Division. | District. | Representative Stations. | Air Pressure. Highest, 8 A.M., barometer reading. | Lowest, 8 A.M., barometer reading. | Mean, 8 A.M., reduced to 32°. | Mean reduced to sea-level and constant gravity, Lat. 45°. | Departure from normal mean. | Wind. Mean direction at 8 A.M. | Mean velocity in miles daily. | Temperature. Highest of month. | Lowest of month. | Mean daily maximum temperature. | Mean daily minimum temperature. | Mean daily temperature. | Departure from normal mean. | Humidity. Mean, 8 A.M. | Departure from normal mean. | Cloud. Mean cloud amount, 8 A.M. | Departure from normal mean, 8 A.M. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Assam | Assam. | Dibrugarh | Dibrugarh | 29·653 | 29·317 | 29·534d | 29·859d | — | N76°E | 54 | 89·4 | 54·1 | 82·9 | 61·8 | 72·4 | — | 79 | — | 2·0 | — | 0·57 |
| | | Sibsagar | Sibsagar | 29·710 | 29·411 | 29·582 | 29·883 | −·044 | N45°E | 70 | 89·6 | 52·7 | 83·9 | 57·7o | 69·7o | +1·9 | 77 | −16 | 1·2 | −5·0 | 0·15 |
| | | Tezpur | Tezpur | 29·735 | 29·455 | 29·627 | 29·845 | — | N57°E | 135e | 97·6 | 57·9 | 90·4 | 63·8 | 77·1 | — | 72 | — | 0·6 | — | Nil |
| | | Kamrup | Gauhati | 29·854 | 29·537 | 29·709 | 29·867 | — | N69°E | 70 | 102·0 | 50·1 | 93·9 | 58·8 | 76·3 | — | 67 | — | 7·8 | — | Nil |
| | | Goalpara | Dhubri (a) | 29·914 | 29·605 | 29·771 | 29·846 | −·029 | N77°E | 1.2o | 100·5 | 52·8 | 92·7 | 63·2 | 78·0 | +3·0 | 69 | −15 | 0·6 | −2·0 | Nil. |
| | | Cachar | Silchar | 29·923 | 29·710 | 29·813 | 29·904d | −·014 | S67°E | 94 | 98·8 | 59·8 | 92·3d | 62·0 | 77·1d | +2·6 | 69 | −13 | 0·7 | −4·2 | 1·10 |
| | | Khasia and Jaintia Hills | Shillong | 25·227 | 24·963 | 25·131 | 25·083 | — | S43°W | 206 | 85·9 | 41·7 | 76·1 | 55·8 | 65·1 | — | 31 | — | 1·2 | — | Nil |
| | | | Cherrapunji | 25·795 | 25·577 | 25·707 | 25·658 | — | S86°W | 216 | 81·2 | 49·8 | 72·8 | 56·5 | 64·7 | — | 57 | — | 2·6 | — | 0·2. |
| Eastern Bengal, North. | Rajshahi. | Rajshahi | Rampur Boalia | 29·935 | 29·704 | 29·834 | 29·851 | −·009 | W | 27 | 104·1 | 53·6 | 96·9 | 63·4 | 80·0 | +3·3 | 54 | −16 | 0·4 | — | Nil |
| | | Malda | Malda | 29·887 | 29·664 | 29·801d | 29·825d | −·018 | S65°W | 135 | 105·8 | 51·5 | 96·7 | 61·1d | 79·1d | +3·9 | 44d | −21 | 0·2 | — | Nil |
| | | Dinajpur | Dinajpur | 29·868 | 29·589 | 29·741 | 29·824 | −·033 | S55°W | 65 | 105·3 | 51·0 | 96·3 | 58·5 | 77·4 | +2·2 | 48 | −18 | 0·5 | −1·4 | Nil. |
| | | Jalpaiguri | Jalpaiguri | 29·724 | 29·414 | 29·588 | 29·849 | −·010 | N27°E | 41 | 96·4 | 52·4 | 89·2 | 59·9d | 74·1d | +1·9 | 67 | −8 | 0·8 | −1·1 | Nil |
| | | Cooch Behar | Cooch Behar | 29·871 | 29·555 | 29·732 | 29·851 | — | S67°E | 50 | 96·8 | 52·6 | 89·0 | 58·2 | 73·6 | — | 68 | −11 | 0·8 | — | Nil |
| | | Rangpur | Rangpur | 29·897 | 29·616 | 29·774 | 29·852 | −·027 | S41°W | 61 | 101·6 | 48·0 | 93·2 | 56·9 | 75·0 | +1·1 | 54 | −21 | 0·2 | — | Nil |
| | | Bogra | Bogra | 29·926 | 29·703 | 29·832 | 29·860 | +·004 | S45°E | 65 | 104·7 | 52·2 | 97·9d | 62·1d | 80·0d | +3·0 | 47 | −27 | 0 | −2·4 | Nil |
| | | Pabna | Sirajganj | 29·959 | 29·718 | 29·855 | 29·884 | −·021 | S21°W | 75 | 102·4 | 52·3 | 95·1 | 61·7 | 79·4 | +3·2 | 69 | −13 | 2·9 | — | Nil. |
| Eastern Bengal, South. | Dacca | Dacca | Narayanganj | 29·957 | 29·743 | 29·886d | 29·885d | −·021 | S53°W | 82 | 95·5 | 58·8 | 93·7d | 68·1d | 81·9d | +1·5 | 85 | 0 | 3·4 | −0·8 | 1·45 |
| | | Mymensingh | Mymensingh | 29·949 | 29·717 | 29·847 | 29·865 | −0·8 | S74°E | 70 | 100·1 | 55·1 | 93·6 | 65·1 | 79·4 | +5·7 | 70 | −10 | 3·0 | −0·6 | Nil |
| | | Faridpur | Faridpur | 29·941 | 29·733 | 29·865 | 29·859 | −·012 | S13°W | 74 | 101·5 | 54·9 | 95·2 | 61·8 | 80·0 | +3·6 | 76 | −4 | [illegible] | — | 0·07 |
| | | Backergunge | Barisal | 29·972 | 29·788 | 29·865 | 29·862 | −·014 | S5°E | 67 | 99·3 | 55·6 | 94·6 | 67·3 | 80·9 | +1·8 | 85 | 0 | 2·9 | −1·0 | Nil |
| Eastern Bengal, South. | Chittagong. | Tippera | Comilla | 29·958 | 29·759 | 29·8[illegible] | 29·869 | −·016 | S27°W | 8[illegible] | 10[illegible]·8 | 55·8 | 95·0 | 68·2 | 81·6 | +3·9 | 87 | +4 | 2·5 | — | Nil |
| | | Noakhali | Noakhali | 29·995 | 29·777 | 29·896 | 29·884 | −·006 | S25°E | 102 | 95·8 | 55·9 | 88·5 | 69·1 | 78·8 | +2·2 | 81 | −4 | 2·3 | — | Nil |
| | | Chittagong | Chittagong | 29·924 | 29·731 | 29·851 | 29·889 | −·011 | S68°E | 72 | 95·5 | 57·0 | 88·3 | 66·7 | 77·5 | +0·4 | 80 | −5 | 5·2 | 0 | Nil |
| | | | Cox's Bazar | 29·986 | 29·785 | 29·8[illegible] | 29·871 | — | S8[illegible]°E | 95 | — | — | — | — | — | — | — | — | 3·0 | — | Nil |
| Bengal. | Burdwan. | Burdwan | Burdwan | 29·905 | 29·677 | 29·896 | 29·856 | −·011 | S70°W | 65 | 105·4 | 56·8 | 99·0 | 67·8 | 83·4 | +2·1 | 55 | 10 | 2·0 | −0·8 | Nil |
| | | Burdwan | Raniganj | 29·683 | 29·4.4 | 29·577d | 29·872d | −·007 | N66°W | 14 | 104·5 | 58·9 | 98·8 | 65·8 | 81·9 | +1·6 | 42 | −11 | 1·3 | — | Nil |
| | | Bankura | Bankura | 29·695 | 29·471 | 29·581 | 29·841 | −·017 | N80°W | 78 | 104·[illegible] | 58·7 | 99·1 | 68·7 | 83·9 | +3·1 | 35 | −1[illegible] | 0·6 | — | Nil |
| | | Midnapore | Midnapore | 29·864 | 29·612 | 29·759 | 29·854 | −·025 | S12°W | 72 | 106·3 | 53·7 | 100·4 | 65·5 | 81·8 | +3·0 | 18 | −24 | 1·0 | — | 0·04 |
| | | Sandheads | Sandheads | 30·025 | 29·820 | 29·935 | 29·960 | — | S56°W | 67 | — | — | — | — | — | — | 84 | — | 2·9 | — | Nil |
| | Presidency. | 24-Parganas | Saugor Island | 29·968 | 29·769 | 29·886 | 29·855 | −·016 | S17°W | 507 | 96·5 | 66·5 | 90·3 | 75·4 | 82·9 | +1·8 | 82 | −1 | 2·1 | −2·2 | Nil |
| | | Calcutta | Calcutta | 29·991 | 29·766 | 29·893 | 29·860 | −·012 | S59°W | 122 | 102·7 | 56·5 | 97·[illegible] | 64·1 | 83·2 | +1·0 | 70 | −11 | 1·3 | −1·0 | Nil |
| | | Nadia | Krishnagar | 29·919 | 29·718 | 29·851 | 29·818 | −·025 | S14°W | [illegible] | 104·1 | 71·0 | 97·7 | 64·1 | 80·8 | +2·0 | 74 | +1 | 2·5 | — | Nil |
| | | Murshidabad | Berhampore | 29·932 | 29·691 | 29·852 | 29·849 | −·015 | S30°W | 50 | 104·0 | 55·2 | 97·2 | 65·1 | 81·2 | 29 | 55 | −17 | 1·1 | −1·3 | Nil |
| | | Jessore | Jessore | 29·945 | 29·727 | 29·864 | 29·845 | −·029 | S28°W | 11 | 102·5 | 57·2 | 95·9 | 70·2 | 83·1 | +1·8 | 72 | −8 | 1·[illegible] | −2·[illegible] | Nil |
| Bihar. | Patna. | Patna | Bankipore | 29·847 | 29·560 | 29·702 | 29·842 | −·022 | S57°W | 151 | 100·0 | 54·2 | 92·3 | 64·7 | 78·5 | +1·1 | 32 | −18 | 1·0 | 0·8 | Nil |
| | | Gaya | Gaya | 29·656 | 29·391 | 29·530 | 29·865 | −·012 | S71°W | 74 | 102·9 | 57·7 | 95·4 | 67·2 | 81·3 | +1·6 | 58 | −1[illegible] | [illegible] | −0·5 | Nil |
| | | Shahabad | Dehri | 29·677 | 29·423 | 29·549 | 29·862 | −·029 | S59°W | 118 | 102·3 | 60·0 | 95·2 | 69·6d | 82·6d | +4·0 | 27 | −20 | 1·7 | — | Nil |
| | | | Buxar | 29·788 | 29·524 | 29·653 | 29·855 | −·023 | S53°W | 258 | 103·5 | 54·1 | 94·6 | 64·2 | 79·4 | +1·2 | 36 | −12 | 1·7 | — | Nil |
| | | | Arrah | 29·815 | 29·580 | 29·714 | 29·863 | +·001 | S72°W | 96 | 102·1 | 52·2 | 95·1 | 64·5 | 78·[illegible] | +1·5 | 34 | −22 | 1·1 | — | Nil |
| | | Saran | Chapra | 29·838 | 29·564 | 29·708 | 29·849 | −·008 | S4[illegible]°W | 109 | 101·7 | 52·9 | 94·3 | 62·6 | 78·[illegible] | [illegible] | 40 | −18 | 0·9 | — | Nil |
| | | Champaran | Motihari | 29·789 | 29·483 | 29·618 | 29·842 | −·015 | N77°W | 55 | 101·4 | 48·8 | 91·9 | 56·8 | 75·9 | +2·5 | 47 | −16 | 1[illegible] | — | Nil |
| | | Muzaffarpur | Muzaffarpur | 29·839 | 29·542 | 29·701 | 29·840 | −·012 | S68°W | 134 | 102·7 | 52·9 | 95·0 | 60·0 | 77·[illegible] | — | 4[illegible] | −2[illegible] | 0·4 | — | Nil |
| | | Darbhanga | Darbhanga | 29·844 | 29·551 | 29·709 | 29·835 | −·023 | S84°W | 103 | 103·6 | 52·3 | 95·8 | 59·8 | 77·8 | +2·4 | 41 | −2[illegible] | [illegible] | −0·3 | Nil |
| | Bhagalpur. | Monghyr | Monghyr | 29·867 | 29·586 | 29·763d | 29·854d | — | S81°W | 216d | 102·0 | 55·9 | 94·5d | 66·2d | 81·5d | — | 35d | — | 0·4d | — | Nil |
| | | Bhagalpur | Bhagalpur | 29·858 | 29·557 | 29·728 | 29·843 | −·015 | S65°W | 137 | 105·2 | 55·3 | 96·[illegible] | 66·4d | 81·5d | +1·7 | 25 | −28 | 0·1 | — | Nil |
| | | Purnea | Purnea | 29·886 | 29·595 | 29·751 | 29·843 | −·019 | S74°W | 1[illegible] | 103·0 | 51·2 | 95·5 | 59·0 | 77·3 | +2·1 | 37 | −0·2 | 0 | −1·4 | Nil |
| | | Sonthal Parganas. | Naya Dumka | 29·751 | 29·282 | 29·408 | 29·8[illegible] | −·001 | N45°W | 76 | 104·4 | 55·5 | 96·3 | 65·2 | 80·8 | +2·3 | 2[illegible] | −2[illegible] | 0 | — | Nil |
| | | Darjeeling | Darjeeling | 23·118 | 22·856 | 23·018 | 22·973 | +·013 | S60°E | 130 | 68·3 | 40·2 | 62·7 | 45·7 | 54·2 | +1·8 | 40 | 29 | 0·8 | −2·9 | Nil |
| | Chota Nagpur. | Hazaribagh | Hazaribagh | 27·989 | 27·771 | 27·8[illegible] | 29·875 | +·002 | N65°W | 211 | 96·7 | 57·3 | 90·0 | 64·6 | 77·3 | +1·1 | 23 | −18 | 1·8 | −0·5 | Nil |
| | | Ranchi | Ranchi | 27·885 | 27·[illegible]8 | 27·7·8 | 29·897 | +·002 | N67°W | 221 | 96·2 | 58·4 | 90·7 | 66·2 | 78·5 | +2·9 | 28 | −17 | 1·7 | +0·[illegible] | 0·[illegible] |
| | | Singhbhum | Chaibassa | 29·270 | 29·060 | 29·174 | 29·877 | +·030 | S51°W | 82 | 103·8 | 53·7 | 97·6 | 67·2 | 82·4 | +1·5 | 18 | −9 | 2·[illegible] | +0·2 | Nil |
| | | Palamau | Daltonganj | 29·317 | 29·086 | 29·203 | 29·812 | — | N82°E | 65 | 99·1 | 48·0 | 93·0d | 57·7d | 74·4d | — | 52d | — | 1·7 | — | Nil |
| | | Manbhum | Purulia | 29·182 | 28·973 | 29·078 | 29·861 | — | N85°W | 105 | 104·5 | 56·6 | 98·4 | 67·3 | 82·9 | — | 42 | −10 | 1·[illegible] | — | Nil |
| Orissa. | | Sambalpur | Sambalpur | 29·551 | 29·376 | 29·448 | 29·858 | +·006 | S36°E | 106 | 103·6 | 56·6 | 97·9 | 67·[illegible] | 82·6 | +0·6 | 41 | −11 | 2·7 | +0·2 | 0·[illegible] |
| | | Angul | Angul | 29·550 | 29·387 | 29·469 | 29·891 | — | N59°W | 102 | 101·1 | 59·0 | 99·0 | 68·8 | 83·9 | — | 5[illegible] | — | 2·[illegible] | — | 0·[illegible] |
| | | Cuttack | Cuttack | 29·927 | 29·768 | 29·846 | 29·871 | −·006 | S53°W | 62 | 105·4 | 62·2 | 98·9 | 71·0 | 85·0 | −0·2 | 79 | +11 | 2·1 | −0·5 | Nil |
| | | | False Point | 29·956 | 29·829 | 29·917 | 29·880 | +·001 | S76°W | 293 | 100·1 | 56·6 | 88·3 | 70·5 | 79·4 | −0·1 | 8[illegible] | −3 | 0·7 | −0·5 | Nil |
| | | Balasore | Balasore | 29·976 | 29·751 | 29·869 | 29·864 | −·003 | S62°W | 86 | 103·4 | 56·6 | 96·8 | 69·0 | 82·9 | +1·8 | 60 | −19 | 1·9 | −1·7 | 0·[illegible] |
| | | Puri | Puri | 29·979 | 29·810 | 29·892 | 29·855 | −·031 | S72°W | 296 | 98·1 | 67·6 | 88·1 | 74·7 | 81·6 | — | 84 | −2 | 2·2 | — | Nil |
| | | Ganjam | Gopalpur | 29·928 | 29·788 | 29·854 | 29·867 | −·001 | N73°W | 292 | 102·2 | 64·0 | 88·4 | 72·5 | 80·4 | +0·5 | 78 | 0 | 1·2 | — | Nil |
| | | | Calingapatam | 29·991 | 29·855 | 29·9[illegible]8 | 29·857 | — | S3[illegible]°W | 156 | — | — | — | — | — | — | — | — | 1·7 | — | Nil |

(a) Mean of 18 days.
(b) " " 29 "
(c) " " 28 "
(d) " " 30 "

(e) Mean of 27 days.
(f) " " 16 "
(g) " " 19 "

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF MARCH 1909.

FINE dry weather existed over the two Provinces during the larger part of the month.

In the 2nd week a shallow depression formed towards the north of the reporting area, but had little or no effect upon the weather. Local rain occurred in Chota Nagpur and Eastern Bengal on the 25th, but the falls were very slight.

The chief feature of the weather during the last week was the high temperature which prevailed at almost all stations.

The defect in rainfall varied from half an inch to 4 inches and was thus considerable; while the air throughout the month was exceptionally dry except just at the head of the Bay.

*Summary of temperature.*—The highest temperature recorded was 106°·3 at Midnapore and the lowest 48° was recorded at Rangpur and Daltonganj.

The following table gives the summary of temperature of each of the seven meteorological divisions of the Provinces of Bengal and Eastern Bengal and Assam for the month of March 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | Average for month. | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 102·0 | 50·1 | 89·4 | 61·2 | 75·1 | + 2·5 |
| Eastern Bengal, North ... ... | 105·8 | 48·0 | 94·3 | 60·4 | 77·3 | + 2·5 |
| Eastern Bengal, South ... ... | 101·3 | 51·9 | 92·6 | 67·0 | 79·8 | + 2·5 |
| Bengal ... ... ... | 106·3 | 51·0 | 97·2 | 68·4 | 82·8 | + 2·4 |
| Bihar ... ... ... | 105·2 | 48·8 | 95·2 | 63·3 | 79·2 | + 2·1 |
| Chota Nagpur* ... ... ... | 103·8 | 48·0 | 92·8 | 63·4 | 78·1 | + 1·8 |
| Orissa ... ... ... | 105·4 | 56·6 | 94·0 | 70·5 | 82·3 | + 0·5 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province.

*Actual and average rainfall and departure from normal for the month of March 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | Nil | 1·15 | — 1·15 |
| | Malda ... ... ... | Malda ... ... ... | Nil | 0·82 | — 0·82 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | Nil | 0·75 | — 0·75 |
| | Jalpaiguri ... ... | Jalpaiguri ... ... | Nil | 1·47 | — 1·47 |
| | Cooch Behar ... ... | Cooch Behar ... ... | Nil | 1·66 | — 1·66 |
| | Rangpur ... ... ... | Rangpur ... ... ... | Nil | 1·16 | — 1·16 |
| | Bogra ... ... ... | Bogra ... ... ... | Nil | 0·98 | — 0·98 |
| | Pabna ... ... ... | Sirajganj ... ... ... | Nil | 1·26 | — 1·26 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 1·45 | 2·33 | — 0·88 |
| | Mymensingh ... ... | Mymensingh ... .. | Nil | 2·20 | — 2·20 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 0·07 | 2·33 | — 2·26 |
| | Backergunge ... ... | Barisal ... ... ... | Nil | 2·09 | — 2·09 |
| | Tippera ... ... ... | Comilla ... ... ... | Nil | 2·74 | — 2·74 |
| | Noakhali ... ... ... | Noakhali .. ... ... | Nil | 2·75 | — 2·75 |
| | Chittagong ... ... | Chittagong ... ... | Nil | 2·14 | — 2·14 |
| | | Cox's Bazar ... ... | Nil | 1·45 | — 1·45 |
| Bengal .. | Burdwan ... ... ... | Burdwan ... ... ... | Nil | 1·24 | — 1·24 |
| | | Raniganj ... ... ... | Nil | 0·76 | — 0·76 |
| | Bankura ... ... ... | Bankura ... ... ... | Nil | 1·30 | — 1·30 |
| | Midnapore .. ... | Midnapore ... ... | 0·04 | 1·39 | — 1·35 |
| | 24-Parganas ... ... | Saugor Island ... ... | Nil | 1·18 | — 1·18 |
| | Calcutta ... ... ... | Calcutta ... ... ... | Nil | 1·14 | — 1·14 |
| | Nadia ... ... ... | Krishnagar ... ... | Nil | 1·11 | — 1·11 |
| | Murshidabad ... ... | Berhampore ... ... | Nil | 1·05 | — 1·05 |
| | Jessore ... ... ... | Jessore ... ... ... | Nil | 1·82 | — 1·82 |
| Bihar ... | Patna ... ... .. | Bankipore ... ... ... | Nil | 0·35 | — 0·35 |
| | Gaya ... ... ... | Gaya ... ... ... | Nil | 0·45 | — 0·45 |
| | Shahabad ... ... | Dehri ... ... ... | Nil | 0·53 | — 0·53 |
| | | Buxar ... ... ... | Nil | 0·28 | — 0·28 |
| | | Arrah ... ... ... | Nil | 0·47 | — 0·47 |
| | Saran ... ... ... | Chapra ... ... ... | Nil | 0·38 | — 0·38 |
| | Champaran .. ... | Motihari ... ... ... | Nil | 0·49 | — 0·49 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | Nil | 0·43 | — 0·43 |
| | Darbhanga ... ... | Darbhanga ... ... | Nil | 0·37 | — 0·37 |
| | Monghyr ... ... .. | Monghyr ... ... | Nil | 0·44 | — 0·44 |
| | Bhagalpur ... .. | Bhagalpur ... ... | Nil | 0·44 | — 0·44 |
| | Purnea ... ... ... | Purnea .. ... ... | Nil | 0·40 | — 0·40 |
| | Sonthal Parganas ... | Naya Dumka ... ... | Nil | 0·81 | — 0·81 |
| | Darjeeling ... ... | Darjeeling ... ... | Nil | 2·01 | — 2·01 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | Nil | 0·69 | — 0·69 |
| | Ranchi ... ... ... | Ranchi ... ... ... | 0·35 | 1·33 | — 0·98 |
| | Singhbhum ... ... | Chaibassa ... ... | Nil | 1·12 | — 1·12 |
| | Palamau ... . ... | Daltonganj ... ... | Nil | 0·63 | — 0·63 |
| | Manbhum ... ... | Purulia ... ... | Nil | 0·98 | — 0·98 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 0·05 | 0·89 | — 0·84 |
| | Angul .. ... . | Angul ... ... ... | 0·08 | 1·20 | — 1·12 |
| | Cuttack ... ... ... | Cuttack ... ... ... | Nil | 1·31 | — 1·31 |
| | | False Point ... ... | Nil | 1·02 | — 1·02 |
| | Balasore ... ... ... | Balasore ... ... ... | 0·02 | 1·78 | — 1·76 |
| | Puri ... ... ... | Puri ... ... ... | Nil | 0·62 | — 0·62 |

METEOROLOGICAL OFFICE, BENGAL,
*The 11th May 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of April 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... | 29·792 | | |
| The average pressure of April from 44 years' registers ... | 29·748 | | |
| The highest pressure in the month ... ... .. | 29·943 | 5th | 10 |
| The lowest pressure in the month ... . ... | 29·534 | 30th | 16 |
| The range of pressure ... ... ... ... | 0 409 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 215·4 | | |
| The maximum possible number of hours of sunshine ... | 378 9 | | |
| | ° | | |
| The mean temperature of the month ... ... . | 82·3 | | |
| The average temperature of April from 20 years' registers ... | 85·0 | | |
| The highest temperature in the month ... ... .. | 10 ·2 | 8th | |
| The lowest temperature in the month . ... ... | 67·2 | 13th | |
| The range of temperature during the month ... ... | 33·0 | | |
| The mean daily range of temperature ... ... . | 19·8 | | |
| The greatest range of temperature in one day .. . | 27·5 | 2nd | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 73 | | |
| The average humidity of April from 20 years' registers . | 68 | | |
| | Inches. | | |
| The mean vapour tension of the month . | 0·768 | | |
| The average vapour tension of April from 20 years' registers | 0·791 | | |
| The mean cloud proportion of the month ... ... | 5·03 | | |
| The average cloud proportion of April from 32 years' registers ... ... ... ... ... | 2·89 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 5·95 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 5·77 | | |
| The average fall of April from 21 years' registers ... ... | 1·51 | | |
| The greatest fall in 24 hours .. .. | 0·98 | 25th | |
| | Days. | | |
| The number of rainy days in the month .. | 11 | | |
| The average number of rainy days in April from 24 years' registers ... ... .. | 3 | | |
| | ° | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... .. ... | 145·5 | | |
| The mean difference of sun and air temperatures .. . | 52·6 | | |
| The greatest sun temperature . ... ... . | 152 6 | 17th | |
| The greatest excess of sun over air temperature | 61·5 | 21st | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... . . | 69 6 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... ... | 3·5 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature .. . | 7·6 | 1st | |
| | Miles. | | |
| The mean movement of the wind per day ,, ... | 140·8 | | |
| The greatest movement of the wind in one day ... ... | 287 | 9th | |
| The greatest movement of the wind in one hour ... ... | 21 | 11th | 4 to 5 P.M |

The number of hours with winds from each of the eight points—

N. 13, N.E. 14, E. 74, S.E. 97, S. 201, S.W 231, W. 50, N.W. 28, Calm 12.

E P. HARRISON,
for *Director-General of Observatories*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 10th May 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 2nd to 8th May 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches. | | % | | | Inches | |
| May | 2nd | 144·7 | 8·6 | 29·671 | 87·1 | 95·7 | 16·6 | 79·1 | 81·0 | 0·998 | 79·2 | 82 | SW and S .. | 249 | Nil | Partially cloudy. |
| " | 3rd | 149·4 | 9·3 | ·720 | 87·5 | 95·0 | 14·4 | 80·6 | 80·6 | ·969 | 78·3 | 77 | SW, SSW and S by W. | 227 | Nil | Partially cloudy, o, p, d, K. |
| " | 4th | 147·4 | 10·7 | ·749 | 86·8 | 94·3 | 14·5 | 79·8 | 80·8 | ·979 | 78·6 | 79 | SW and SSW ... | 209 | 0·85 | Chiefly clear. |
| " | 5th | 143·5 | 10·7 | ·712 | 85·6 | 92·7 | 13·7 | 79·0 | 80·5 | ·977 | 78·5 | 81 | SW and SSW ... | 239 | Nil | Chiefly clear. |
| " | 6th | 143·6 | 10·4 | ·623 | 87·0 | 93·9 | 13·2 | 80·7 | 81·9 | 1·019 | 79·8 | 79 | S and SSW .. | 261 | Nil | Chiefly clear. |
| " | 7th | 148·5 | 10·6 | ·639 | 89·6 | 98·6 | 17·5 | 81·1 | 81·9 | 0·990 | 78·9 | 71 | SSW ... | 195 | Nil | Clear. |
| " | 8th | 146·7 | 10·7 | ·659 | 88·8 | 97·7 | 17·3 | 80·4 | 81·1 | ·973 | 78·1 | 71 | SW by W and SSW. | 170 | Nil | Clear. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·683 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·694 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 71·0 |
| The maximum possible number of hours of sunshine ... ... ... | 91·0 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 87·5 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 85·2 |
| The extreme variation of temperature ... ... ... ... | 19·6 |
| The maximum temperature ... ... ... ... | 98·6 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 17 |
| | % |
| The mean relative humidity ... ... ... ... ... | 78 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 73 |
| | Inches. |
| The total fall of rain from 2nd to 8th May 1909 ... ... | 0·85 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·96 |
| The total fall from 1st January to 8th May 1909 ... ... ... | 7·15 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 5·86 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; p, passing temporary showers; K, thunder-storm.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 10th May 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

Abstract

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

The mea *approximate Return of traffic for the week ended 24th April 1909 on 768 miles open for all descriptions of traffic, and*
The av *an additional 3 miles for goods traffic only.*
The hi
The l
The
Th
T

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 68,000 | 42,500 0 0 | 326,500 0 | 45,500 0 0 | 2,000 0 0 | 90,000 0 0 | 14,507 | 22,189 | 36,696 |
| Or per mile of railway ... ... | 88·54 | 55·34 | 423·48 | 59·01 | 2·59 | 116·94 | 18·89 | 28·78 | 47·67 |
| For previous 16 weeks of half-year ... ... ... ... | 1,132,614 | 7,29,702 0 0 | 5,596,921 0 | 6,63,453 0 0 | 76,180 0 0 | 14,69,335 0 0 | 222,443 | 303,488 | 525,931 |
| Total for 17 weeks ... | 1,200,614 | 7,72,202 0 0 | 5,923,421 0 | 7,08,953 0 0 | 78,180 0 0 | 15,59,335 0 0 | 236,950 | 325,677 | 562,627 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 60,327 | 40,079 0 0 | 256,565 0 | 37,623 0 0 | 2,362 0 0 | 80,064 0 0 | 15,565 | 26,899 | 42,464 |
| Per mile of railway corresponding week of previous year ... | 78·55 | 52·19 | 332 77 | 48·60 | 3·06 | 104·05 | 20·27 | 34·89 | 55 16 |
| Total to corresponding date of previous year ... ... ... | 1,170,996 | 7,96,620 0 0 | 4,440,625 0 | 6,33,301 0 0 | 80,217 0 0 | 15,10,138 0 0 | 267,429 | 345,288 | 612,717 |

* Includes audited figures up to February 1909.

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 24th April 1909. | | | Receipts for week ending 25th April 1908. | | | Total receipts from 1st April 1909 to 24th April 1909. | | | Total receipts from 1st April 1908 to 25th April 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 90,000 | 116·94 | 771 | 80,064 | 104·05 | 771 | 2,99,716 | ... | 771 | 3,03,522 | ... | ..... | 3,806 |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 6th March 1909 on 1,791 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,791 miles open .. ... | 328,160 | (a) 1,33,940 | 1,201,430 | (b) 1,85,710 | (c) 9,790 | 3,39,440 | 58,374 | (d) 51,499 | 109,873 |
| Or per mile of railway ... ... | 183·23 | 74·79 | 670·82 | 103·69 | 11·05 | 189·53 | ..... | ..... | ..... |
| For previous 8½ weeks of half-year ... ... ... ... | 2,673,200 | 11,02,380 | 9,624,080 | 15,30,300 | 1,75,280 | 28,07,960 | 481,948 | 401,125 | 883,073 |
| Total for 9½ weeks ... ... | 3,001,360 | 12,36,320 | 10,825,510 | 17,16,010 | 1,95,070 | 31,47,400 | 540,322 | 452,624 | 992,946 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,778 miles open ... ... ... ... ... | 316,278 | 1,35,750 | 1,293,202 | 1,75,657 | 21,449 | 3,32,856 | 56,729 | (e) 49,610 | 106,339 |
| Per mile of corresponding week of previous year ... ... ... | 177·88 | 76·35 | 727·33 | 98·80 | 12·06 | 187·21 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,015,050 | 13,42,425 | 11,673,266 | 16,49,779 | 2,17,593 | 32,09,797 | 552,064 | 455,600 | 1,007,664 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... .. | | 2·29 | | 3·61 | ·18 | 3 09 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·39 | | 3·54 | ·20 | 3·13 | | | |

(a) Shorter lead.
(b) Increase mainly under local and foreign outward, there being longer lead under local and foreign inward.
(c) Decrease chiefly under steam boat.
(d) Includes 4,983 miles of ballast trains.
(e) Ditto 3,700 miles of ballast trains.

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 24th April 1909 on 1,852(a) miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (b) | Mds. | Rs. (c) | Rs. (d) | Rs. | | | |
| Total traffic for the week on 1,852(a) miles open ... | 335,750 | 1,28,140 | 1,419,840 | 2,03,570 | 35,760 | 3,67,470 | 58,431 | (e)48,369 | 106,800 |
| Or per mile of railway .. | 181·29 | 69·19 | 766·65 | 109·92 | 19·31 | 198·42 | ..... | ..... | ..... |
| For previous 15¾ weeks of half-year (f) ... ... .. .. | 5,150,891 | 21,08,347 | 18,700,653 | 27,79,414 | 3,84,055 | 52,71,816 | 884,516 | 743,692 | 1,628,208 |
| Total for 16¾ weeks ... | 5,486,641 | 22,36,487 | 20,120,493 | 29,82,984 | 4,19,815 | 56,39,286 | 942,947 | 792,061 | 1,735,008 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... .. .. | 362,617 | 1,58,602 | 1,120,116 | 1,47,739 | 38,905 | 3,45,306 | 57,648 | (g)45,103 | 102,751 |
| Per mile of corresponding week of previous year ... ... | 201·79 | 88·26 | 623·33 | 82·25 | 21·65 | 192·16 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,432,238 | 23,94,603 | 20,088,777 | 27,65,179 | 4,13,085 | 55,72,867 | 944,124 | 783,592 | 1,727,716 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·19 | | 4·21 | ·33 | 3·44 | | | |
| Ditto for corresponding week of previous year ... ... . | | 2·75 | | 3·25 | ·38 | 3·36 | | | |

(a) Madho Singh to Jhusi 43·42 miles opened for all descriptions of traffic from 21st April 1909. The average mileage of the week is shown in this return.
(b) Decrease under passengers due to heavy coolie traffic last year.
(c) General increase.
(d) Decrease principally under sundries.
(e) Includes 8,387 miles of ballast trains.
(f) Includes audited figures for the month of January 1909.
(g) Includes 4,372 miles of ballast trains.

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 12th May 1909.

REGISTERED No. C 209.

No. 20 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, MAY 19, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Report on the state of the Salt Market for the fourth quarter of 1908-09 ... ... ... ... ... ... | 745—748 |
| Monthly Weather and Crop Report of Bengal for April 1909 ... ... ... ... .. ... ... | 749—750 |
| Weather and Crop Report for the week ending the 17th May 1909 ... ... .. .. ... ... ... | 751—756 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 15th May 1909 ... ... ... ... ... . ... .. | 757 |
| Table of Rainfall recorded at stations in Bengal in April 1909 ... ... .. ... ... .. | 758—763 |
| District Rainfall Table of the Province of Bengal for April 1909 ... ... ... ... ... .. | 764 |
| Vital Statistics of Districts and Towns in Bengal for the month of March 1909 .. ... ... ... | 765—767 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 9th to 15th May 1909 ... . ... ... .. ... .. ... | 768 |
| Railway Returns ... ... ... ... . .. | 769—778 |

## REPORT ON THE STATE OF THE SALT MARKET FOR THE FOURTH QUARTER OF THE YEAR 1908-09.

No. 2474B., dated Calcutta, the 10th May 1909.

From—SRIGOPAL BHATTACHARJI, ESQ., M.A., B.L., Secretary to the Board of Revenue, L. P., Misc. Revenue Dept.,

To—The Secretary to the Government of Bengal, Financial Department.

*Member in charge:*
THE HON'BLE MR. W. C. MACPHERSON, C.S.I.

I AM directed to submit the following report on the state of the salt market for the fourth quarter of the year 1908-09, comprising the months of January, February and March 1909.

2. The quantity of salt of every description cleared during the quarter amounted to 28,12,147 maunds, as compared with 26,60,570 maunds in the previous quarter, and 26,04,712 maunds in the corresponding quarter of the previous year. The net amount of duty levied thereon was Rs. 25,85,126 as against Rs. 24,05,311 in the previous quarter, and Rs. 24,06,420 in the corresponding quarter of the previous year.

3. The subjoined Table I shows in detail the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter, as compared with the figures of the corresponding quarters of the two previous years :—

TABLE I.

| WHENCE IMPORTED. | 1906-07. Fourth quarter. | | 1907-08. Fourth quarter. | | 1908 09. Fourth quarter. | |
|---|---|---|---|---|---|---|
| | Imported. | Cleared. | Imported. | Cleared. | Imported. | Cleared. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | MDS. | MDS. | MDS. | MDS. | MDS. | MDS. |
| United Kingdom | 9,63,743 | 12,26,251 | 7,41,948 | 7,43,489 | 11,90,723 | 7,70,236 |
| Hamburg and Bremen. | 2,45,115 | 3,74,784 | 76,245 | 2,20,210 | 1,01,245 | 1,70,837 |
| Port Said ... | 1,12,097 | 1,45,095 | 1,82,568 | 1,34,869 | 1,84,446 | 99,305 |
| Spain ... | 1,39,514 | 3,90,032 | 6,29,471 | 3,34,027 | 11,64,868 | 5,93,276 |
| Salif ... | 1,93,278 | 1,03,900 | 6,51,386 | 5,44,375 | 8,73,701 | 4,99,516 |
| Aden ... | 5,37,064 | 3,36,997 | 1,76,135 | 3,87,559 | 4,76,796 | 4,24,960 |
| Muscut, Linga, Hanjam, &c | 18,200 | 26,640 | ... | ... | ... | ... |
| Rock Salt | ... | 7,960 | 6,805 | 4,300 | 9,527 | 5,642 |
| Persia ... | ... | 5,700 | ... | ... | ... | ... |
| Bombay ... | 8,373 | 90,259 | 1,63,973 | 1,89,915 | 1,78,754 | 2,11,110 |
| Madras, Coconada, Vizagapatam, Masulipatam, &c. | 2,560 | 2,563 | ... | ... | ... | ... |
| Phooeo ... | 1,54,430 | 56,420 | ... | 16,875 | ... | 8,282 |
| Fiji Islands ... | ... | ... | ... | .. | ... | 42 |
| Total ... | 23,74,374 | 27,66,601 | 26 28,531 | 25,75,619 | 41,80,060 | 27,83,206 |

Compared with the corresponding quarter of the previous year and the same quarter of 1906-07, importations were greater by 59·02 per cent. and 76·04 per cent., respectively, and clearances were greater by 8·05 and ·6 per cent. The increased imports from Spain, Salif and the United Kingdom are specially noticeable.

4. Table II shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the preceding four quarters:—

TABLE II.

| WHERE STORED. | Fourth quarter of 1907-1908. | First quarter of 1908-1909. | Second quarter of 1908-1909. | Third quarter of 1908-1909. | Fourth quarter of 1908-1909. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | MDS. | MDS. | MDS. | MDS. | MDS. |
| Sulkea Government Salt Golas | 18,51,003 | 17,25,637 | 16,30,038 | 18,47,334 | 30,97,295 |
| Kidderpore Dock ditto ... | 2,44,932 | 3,37,195 | 5,06,053 | 5,77,465 | 4,43,925 |
| Chandbali (private bonded salt warehouses). | 8,000 | 3,103 | 9,000 | 6,000 | 24,450 |
| Total ... | 21,03,935 | 20,65,935 | 21,45,091 | 24,30,799 | 35,65,670 |

The stocks remaining in the golas at the close of the quarter were considerably greater than those of the preceding four quarters.

5. The figures showing the despatches of salt from Calcutta by different routes during the quarter under report will be published as usual in the *Calcutta Gazette* by the Director-General of Commercial Intelligence when they are available.

6. The quantity of salt despatched during the quarter by the East Indian Railway to stations beyond Buxar amounted to 2,197 maunds, as against 1,325 maunds in the previous quarter and 810 maunds in the corresponding quarter of the previous year.

7. The quantity of saltpetre salt excised in the refineries of Bengal during the quarter amounted to 11,477 maunds,* as compared with 2,773 maunds in the previous quarter, and 8,332 maunds in the corresponding quarter of the previous year.

* Includes 10 maunds of sitta

8. The shipments of Liverpool salt during the quarter for the port of Calcutta according to the published market reports amounted to 43,200 tons. It is reported that the vessels noted in the margin are on the sea bound for Calcutta with cargoes of salt from Hamburg. The quantity given against each ship is approximate only.

| | Tons. |
|---|---|
| S.S. "Axenfels" ... | 1,000 |
| S.S. "Hohenfels" ... | 5[illegible]0 |

9. Table III shows the average wholesale prices† per 100 maunds of Liverpool salt and other descriptions of salt during each fortnight of the quarter:—

TABLE III.

| DESCRIPTION OF SALT. | Fortnight ending 15th January 1909. | Fortnight ending 31st January 1909. | Fortnight ending 14th February 1909. | Fortnight ending 28th February 1909. | Fortnight ending 15th March 1909. | Fortnight ending 31st March 1909. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Liverpool *panga* ... | 49 0 0 | 48 8 0 | 47 0 0 | 46 12 9 | 45 0 0 | 43 7 3 |
| Hamburg *karkuch* | 39 4 6 | 38 0 0 | 37 [illegible] 8 | 38 0 0 | 34 13 8 | 34 0 0 |
| Bombay *ditto* | 42 13 4 | 42 0 0 | 42 0 0 | 42 0 0 | 42 0 0 | 44 12 0 |
| Aden crushed ... | 40 0 0 | 40 0 0 | 40 0 0 | 40 0 0 | 39 0 0 | 38 12 6 |
| Salif do. ... | 39 0 0 | 39 0 0 | 38 5 8 | 38 5 8 | 38 2 8 | 37 12 5 |
| Spanish *karkuch* ... | 40 0 0 | 39 8 0 | 38 0 0 | 37 8 0 | 36 15 3 | 37 0 0 |

During the quarter the prices of Liverpool *panga*, Hamburg and Spanish *karkuch*, Aden and Salif crushed fell. The prices of Bombay *karkuch* fell at first but rose towards the end of the quarter. No imports of Madras salt were made into the port of Calcutta during the quarter.

10. The quantity of sea-imported salt admitted into, and cleared from, bond at the inland warehousing station of Chandbali in the district of Balasore, during the quarter and the corresponding quarter of the previous year, is given below:—

| Description of salt. | ADMITTED INTO BOND. | | CLEARED. | |
|---|---|---|---|---|
| | Fourth quarter of 1907-08. | Fourth quarter of 1908-09. | Fourth quarter of 1907-08. | Fourth quarter of 1908-09. |
| 1 | 2 | 3 | 4 | 5 |
| | MDS. | MDS. | MDS. | MDS. |
| English *panga* ... ... ... | 26,000 | 47,906 | 29,093 | 28,941 |

† These prices are exclusive of Port Commissioners' special toll of annas 4 per ton and customs duty of Re. 1 per maund.

As compared with the corresponding quarter of the previous year, the quantity admitted into bond rose by 84·2 per cent. but the quantity cleared fell by ·5 per cent.

11. The quantity of Madras and Bombay salt imported inland and consumed in each of the districts of the Orissa Division, and in the Tributary States during the quarter and the previous two quarters, is shown below:—

| Name of district. | Madras Salt. | | | Bombay Salt. | | |
|---|---|---|---|---|---|---|
| | Second quarter of 1908-09. | Third quarter of 1908-09. | Fourth quarter of 1908-09. | Second quarter of 1908-09. | Third quarter of 1908-09. | Fourth quarter of 1908-09. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. |
| Cuttack ... | 1,72,676 | 2,26,866 | 1,55,590 | ... | ... | ... |
| Balasore ... | ... | ... | ... | ... | ... | ... |
| Puri ... | 60,542 | 78,254 | 61,805 | ... | ... | ... |
| Tributary States | 12,491 | 31,020 | 13,768 | 1,477 | 8,460 | 2,393 |
| Total ... | 2,45,709 | 3,36,140 | 2,31,163 | 1,477 | 8,460 | 2,393 |

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR APRIL 1909.

*Character of the Rainfall.*—Rain throughout the Province was greatly in excess of the normal in all districts. The fall varied from 4·20 to 8·32 inches in Lower Bengal, from 1·50 to 4·79 inches in Bihar, from 3·45 to 6·59 inches in Orissa, and from 1·91 to 5·48 inches in Chota Nagpur. The usual rainfall table is appended.

II.—*Progress of Agricultural operations.*—The rain facilitated agricultural operations. Preparation of lands for the sowing of autumn crops was in full sowing, and sowings of jute and other *bhadoi* crops were commenced. Planting of sugarcane continued. Harvesting of *boro* paddy was begun in Orissa and Midnapore.

III.—*State of standing crops.*—The condition of the newly-planted sugarcane crop and vegetables was good, and the prospects of all standing crops improved.

IV.—*Prospects and probable outturn of harvests.*—The outturn of wheat and spring oilseeds was estimated at 60 per cent., and that of other *rabi* crops at 70 per cent. of the normal. *Mahua* yielded a good crop.

V.—*Damage to crops.*—No serious damage was done to the standing crops. The mango crop was injured in Purnea by a storm. In Saran and Champaran, *rabi* crops on the threshing floor suffered considerably from the heavy rain which fell during the month.

VI.—*Condition of Agricultural stock.*—The condition of agricultural stock was, on the whole, fair. Cattle-disease was reported from Burdwan, Bankura, Midnapore, Nadia, Murshidabad, Jessore, Monghyr, Bhagalpur, Purnea, Puri, Sambalpur and from the Chota Nagpur, Patna and Tirhut Divisions, Saran excepted. The water-supply in North Bihar and in Lower Bengal was greatly improved by the rainfall of the month. Insufficiency of water was felt only in parts of Jessore and Gaya.

VII.—*Failure of Pasturage and Fodder.*—Reports of insufficiency of fodder were received from Midnapore, Jessore, Khulna, Gaya, Champaran, Monghyr, Purnea, and the Sonthal Pargauas at the beginning of the month, but the rain has brought relief.

VIII.—*Prices of Food-grains.*—During the second fortnight of the month the price of common rice went up in 15 districts and fell in 2 districts, remaining stationary in the rest of the Province. It varied from 8 seers a rupee in Hooghly, Howrah and Darjeeling to 15 seers in Angul. Prices of staple food-grains were generally easier than during the corresponding period of last year.

IX.—*Condition of the labouring classes and agricultural population.*—The month's rain provided considerable field work in the districts in which distress had hitherto prevailed, and there was a marked decrease in the figures of persons on test-works. The number of persons attending famine-relief works in Darbhanga also decreased towards the end of the month. Gratuitous relief continued to be given in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Palamau and Puri.

CALCUTTA,
*The 17th May 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Statement showing the Rainfall in each district during April 1909.*

| Division. | District. | Normal district rainfall for the month of April | Actual district rainfall for the month of April 1909. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 1·88 | 7·08 | +5·20 |
| | Birbhum ... | 1·15 | 4·20 | +3·05 |
| | Bankura ... | 1·33 | 5·10 | +3·77 |
| | Midnapore ... | 1·54 | 6·05 | +4·51 |
| | Hooghly ... | 2·07 | 8·32 | +6·25 |
| | Howrah ... | 1·64 | 6·51 | +4·87 |
| | 24-Parganas ... | 1·73 | 6·00 | +4·27 |
| | Calcutta ... | 1·54 | 5·95 | +4·41 |
| | Nadia ... | 2·82 | 6·66 | +3·84 |
| | Murshidabad ... | 1·65 | 4·45 | +2·80 |
| | Jessore ... | 3·30 | 7·13 | +3·83 |
| | Khulna ... | 2·61 | 5·08 | +2·47 |
| Bihar ... | Patna ... | 0·28 | 2·95 | +2·67 |
| | Gaya ... | 0·17 | 1·54 | +1·37 |
| | Shahabad ... | 0·17 | 1·50 | +1·33 |
| | Saran ... | 0·30 | 2·78 | +2·48 |
| | Champaran ... | 0·60 | 4·79 | +4·19 |
| | Muzaffarpur ... | 0·55 | 2·79 | +2·24 |
| | Darbhanga ... | 0·68 | 3·74 | +3·06 |
| | Monghyr ... | 0·53 | 2·72 | +2·19 |
| | Bhagalpur ... | 0·93 | 2·41 | +1·48 |
| | Darjeeling ... | 4·26 | 7·31 | +3·05 |
| | Purnea ... | 1·57 | 4·66 | +3·09 |
| | Sonthal Parganas | 0·82 | 3·01 | +2·19 |
| Orissa ... | Cuttack | 1·27 | 4·46 | +3·19 |
| | Balasore ... | 1·79 | 6·59 | +4·80 |
| | Angul ... | 2·13 | 5·28 | +3·15 |
| | Puri ... | 0·59 | 4·51 | +3·92 |
| | Sambalpur ... | 0·48 | 3·45 | +2·97 |
| Chota Nagpur | Hazaribagh ... | 0·39 | 2·12 | +1·73 |
| | Ranchi ... | 1·07 | 3·15 | +2·08 |
| | Palamau ... | 0·22 | 1·91 | +1·69 |
| | Manbhum ... | 1·02 | 2·99 | +1·97 |
| | Singhbhum ... | 1·45 | 5·48 | +4·03 |

## WEATHER AND CROP REPORT.

*For the week ending the 17th May 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·01 | 9 | 9 | Practically no rain during the week. Weather hot. Thinning and weeding of jute continuing. Further sowing of jute stopped for want of rain. Ploughing and manuring of lands for the sowing of *kharif* crops going on. Cattle-disease reported in Kotugram thana. Food-stocks and fodder and water sufficient. |
| 2 | BIRBHUM ... | 0·98 | 9 | 9½ | Rainfall at Rampur Hât 0·46 inch. Weather hot. Fodder and water sufficient. No apprehension of scarcity. |
| 3 | BANKURA ... | 0·20 | 10 | 10½ | Rainfall at Vishnupur 0·52 inch. Weather hot. Lands being ploughed and manured. Sowing of *aus* paddy commenced. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE .. | Nil | 9½ | 9½ | Rainfall at Contai 1·93, at Tamluk 1·24, and at Ghatal 0·47 inches. Rain wanted. Sowing of jute, maize and autumn rice going on. Prospects of late cotton and *rabi* crops not good. Cattle-disease in thanas Muhanpur, Salbani, Jhargaon, Kharagpur, Keshiari, and Keshpur. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Contai, at 8 seers at Tamluk and at 9½ seers at Ghatal. |
| 5 | HOOGHLY ... | 0·25 | 8 | 8 | Weather seasonable. Stocks of food-grains sufficient. Lands being prepared for cultivation. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 0·04 | 8½ | 8½ | Weather hot. Harvesting of *boro* paddy progressing. Sowings of jute and autumn rice going on. More rain wanted. Lands being prepared for winter rice. Fodder and water sufficient. Agricultural stock in normal condition. |
| 7 | 24-PARGANAS | 0·38 | 9¾ | 9½ | Weather seasonable. Common rice selling at 8 seers per rupee at Barasat, at 10¼ seers at Basirhat, at 9⅜ seers at Diamond Harbour, and at 9 seers at Barrackpore. |
| 8 | NADIA ... | Nil | 8 9/16 | 8 9/16 | Rainfall at Chuadanga and at Ranaghat *nil*, at Meherpur 0·05, and at Kushtia 0·01 inch. Sowing of jute, *bhadoi* paddy and winter rice continuing. Prices of staple food-grains stationary. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Karimpur and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 0·07 | 8½ | 8½ | Weather hot. *Boro* paddy growing well at the Lalbagh subdivision. Its harvesting commenced at the Kandi subdivision. Condition of agricultural stock good at the Lalbagh subdivision and fair at the Kandi subdivision. Fodder and water sufficient, but scarcity of drinking water still felt in Bhagawangola and Sagardighi thanas. |
| 10 | JESSORE ... | ... | 9½ | 9½ | Rainfall at Jhenidah 0·57 inch. Weather extremely hot. Fall not general. Sowings of paddy and jute stopped in several places for want of rain. Rain badly wanted in all parts of the district. Fodder and water insufficient at places. Cattle-disease reported from the Sadar subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | 0·74 | 10 | 10 | Rainfall at Bagerhat and at Satkhira *nil*. Weather seasonable. Prices of staple food-grains stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Cultivation of lands for jute and other *bhadoi* crops in progress. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 12 | PATNA ... | 0·14 | 8¾ / 14* | 8¾ / 14* | Weather hot. Lands being prepared for the sowing of *bhadoi* paddy. *Makai* already sown withering for want of rain. Sugarcane promising well. Condition of agricultural stock fair. No cattle-disease. Fodder and water available. Food-stock resources supplemented by import. |
| 13 | GAYA ... | Nil | 9 15/16† / 12 13/16* | 9 15/16† / 12 13/16* | Weather hot with east winds. Sugarcane promising well. Prices stationary. Fodder and water for cattle scarce in parts of the district. Cattle-disease reported from the Jehanabad and Aurangabad subdivisions. |
| 14 | SHAHABAD ... | 0·03 | 9 / 15* | 9 / 15* | Sugarcane doing well. Prices of food-grains stationary. Food-stocks below the normal. Agricultural stock in normal condition. Fodder and water sufficient. |
| 15 | SARAN ... | 0·02 | 9¾ / 13½* | 9¾ / 13½* | Weather seasonable. Gathering of cotton going on. Early *marua*, paddy, *kodo* and *shama* being sown in places. Lands being prepared for *bhadoi* crops. Prices of staple food-crops stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. This week. | Price of common rice in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 0·05 | 9 / 15* | 9 / 10* | Rainfall at Bettiah *nil*. Weather hot, sometimes cloudy. Fields being prepared for *aghani* and *bhadoi* crops which are being sown in places. Condition of agricultural stock normal. Fodder and water sufficient. Cattle-disease reported from thanas Bettiah and Shikarpur. |
| 17 | MUZAFFARPUR | 0·14 | 9 / 14½* | 9 / 14½* | Rainfall at Sitamarhi 0·82 inch. Weather seasonable. Common rice and maize selling at 8 and 14½ seers a rupee, respectively, at Sitamarhi and at 8 and 13 seers a rupee, respectively, at Hajipur. Cattle-disease reported in thanas Mahwa, Katra and Paru. Fodder sufficient and water-supply improved. Cultivation of *bhadoi* crops in progress. Prospects so far favourable. The rain of last week likely to improve the early sown crop in the Sitamarhi subdivision. Number of persons on test-works in the Sitamarhi subdivision on the 13th instant—123 men, 331 women and 92 children—total 546. Number of persons gratuitously relieved and in poor-houses—2,650. Condition of workers good, but distress among non-workers increasing. |
| 18 | DARBHANGA ... | 0·22 | 8½ / 12 to 13* | 8½ / 12 to 13* | Weather hot. Rain badly wanted. Lands being prepared and *marua*, *makai* and *bhadoi* paddy being sown at places. Food-stocks sufficient. Cattle-disease reported in nine villages for which remedial steps are being taken. Fodder available. Water scarcity recommencing at places. Number of persons on relief-works on the 13th instant—46,863, number of persons gratuitously relieved—31,071. *Makai* selling at about 12 seers a rupee in the interior. |
| 19 | MONGHYR ... | 0·38 | 8½ | 8½ / 13* | Weather seasonable. Ploughing of lands continuing. Cattle-disease reported from the Sadar, Khagaria, Gogri and Baktiarpur thanas. Fodder reported scarce in Barbigha thana. Prices of staple food-grains slightly risen. |
| 20 | BHAGALPUR ... | Nil | 8 3/16 / 12⅝* | 7⅞ / 12¾* | Weather seasonable. Condition and prospects of standing crops good. Threshing of *rabi* crops finished. Cattle-disease reported from Daparkha thana. Fodder and water sufficient. Condition of agricultural stock good. Stocks of food-grains likely to last till the next harvest. Prices of staple food-grains stationary—99 men, 258 women and 315 children—total 672—gratuitously relieved in the Madhipur subdivision, and 309 men, 1,091 women and 1,252 children—total 2,652—in the Supaul subdivision. 127 men, 95 women and 42 children—total 265—on test-works in the Madhipura subdivision, and 259 men, 319 women and 44 children—total 622—in the Supaul subdivision. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | 1 21 | 8 | 8 | Weather hot. Rainfall at Araria 1·05 and at Kishanganj 0 33 inches. Cyclone in the town on the 16th; great damage to houses and trees and some damage to public buildings and telegraph wires; loss of human life and property and of cattle. Mango crop destroyed. Weeding of jute and paddy going on. Cattle-disease reported from Raniganj and Rupauli thanas. Fodder and water now becoming sufficient. 72 persons relieved gratuitously from private funds. Common rice selling at 8 seers a rupee at Araria and Kishanganj. |
| 22 | DARJEELING ... | 4·30 | 8<br>14* | 8<br>14* | Weather seasonable. Hills—Wheat and barley being harvested. Maize and potatoes being grown. *Bara* and *chota marua* and *bhadoi* paddy being sown. Terai—sowings of jute and other *bhadoi* crops going on. Lands being prepared for winter rice. Sugarcane growing well Supply of food-grains sufficient. |
| 23 | SONTHAL PARGANAS. | 0 04 | 9¾<br>12* | 9⅝<br>12¾* | Weather hot. Rainfall at Pakour 0·06 inch. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Fodder and water getting short in the north of the district. |
| 24 | CUTTACK ... | 0·77 | 10½ | 10½ | *Achua* cotton being plucked. Sugarcane growing. Jute, *beali* and *saradh* paddy being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·62 | 12 | 12 | Rainfall at Bhadrak 2 02 inches Weather seasonable. Sowing of *saradh* and *beali* paddy and planting of sugarcane continuing. Vegetables doing well. Cattle-pox in mauzas Nirapur and Sarswatia. Fodder and water and food-stocks sufficient. Jute being sown. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 0·09 | 15 | 15 | Rainfall at Phulbani 0·59 inch. Weather hot. Ploughing of lands and sowings of *bhadoi* crops commenced. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water available. Cattle-disease reported. |
| 27 | PURI ... | Nil | 9 3/16 | 9 13/16 | Sugarcane thriving well. Cotton in pods. *Dalua* paddy and castor being harvested. *Beali* paddy being sown. Cattle-disease in Khurda and Chowbiskud chaklas. Common rice selling at 10½ seers per rupee at Khurda. 6 men, 36 women and 102 children—total 144—attending kitchens. 12 men, 148 women and 6 children—total 166—receiving gratuitous relief. |
| 28 | SAMBALPUR ... | Nil | 12½ | 12 | Weather occasionally cloudy. Fields being prepared for *kharif* sowings. Sugarcane plants being watered and manured. Condition of vegetables good. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest and foot-and-mouth disease reported. Common rice selling at 14⅔ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | ... | 8½ / 11* | 8⅓ / 11½* | Standing crops good. Food-stocks and fodder and water sufficient. Cattle-disease in one thana. |
| 30 | RANCHI ... | Nil | 9 | 9 | Weather very hot. Ploughing and manuring in progress. *Tewa dhan* doing well. Sowing of winter rice on lowlands commenced. Cattle-disease reported from nine thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 9 | 8 17/5 | Weather very hot. Sugarcane doing well. Lac being harvested. Fodder and water available. Some cattle-disease. 241 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 0·06 | 10½ | 11 | Weather seasonable. State of standing crops good. Fields being prepared for autumn rice. Outturn of *arhar* estimated at 6 per cent. Cattle-disease reported from thana Nirsha. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9⅓ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 9 | 9 | Weather very hot. Ploughing operations going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 9 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 7·42 | 7 13/21 | 8 | Weather hot and cloudy. Sowing of jute and weeding of *bari* paddy finished. Prospects of standing crops favourable. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Baramba ... 0·76<br>Keonjhar ... 2·53<br>Hindol ... 0·29<br>Dhenkanal ... 0·27<br>Bonai ... 0·18<br>Nayagarh ... 0·12<br>Baud ... 0·30<br>Weather hot. Preparation of lands for the next season's crops going on in all States. Sowing on lowlands in progress in Dhenkanal, Keonjhar, Athgarh and Gangpur. Condition of sugarcane good in Narsingpur, Khandpara, Talcher, Dhenkanal, Athmallik, Raupur, Nayagarh, Athgarh, Kalahandi and Baud. Fodder and water sufficient. Price of rice varying from 12 seers in Mayurbhanj, Khandpara and Narsingpur and 12½ seers in Athgarh and Keonjhar to 17 seers in Patna and 18 seers in Talcher |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 8th May 1909

GENERAL SUMMARY.—Rain fell in all districts—Gaya, Bhagalpur, Puri, Sambalpur, Hazaribagh, Ranchi, Palamau and Singhbhum excepted. In Darjeeling and Cooch Behar, the fall was heavy; in other districts it was light. More rain is wanted in parts of Burdwan, Midnapore, Howrah, Jessore and Darbhanga. Preparation of lands for autumn crops is in progress. Sowing of jute, paddy and other autumn crops continues in most parts of the Province. In parts of Jessore and Burdwan sowings have ceased through want of rain and owing to the same cause early sown *makai* is withering in Patna. There was a cyclone in Purnea on the 16th instant, which destroyed the mango crop completely, and there was considerable damage done to property. Some cattle were killed and loss of human life has also been reported. The price of common rice has risen in Birbhum, Bankura, Patna, Monghyr, Puri, Manbhum and Cooch Behar, and has fallen in the 24-Parganas, Bhagalpur, the Sonthal Parganas, Sambalpur and Palamau. Cattle-disease is reported from Burdwan, Midnapore, Nadia, Jessore, Gaya, Champaran, Muzaffarpur, Darbhanga, Monghyr, Bhagalpur, and from the Orissa and Chota Nagpur Divisions, Cuttack and Singhbhum excepted. Fodder is reported to be insufficient in parts of Jessore, Gaya and Monghyr Water is still scarce in parts of Jessore, Gaya and Darbhanga, and in the north of the Sonthal Parganas. 1,433 persons attended test-works in Muzaffarpur and Bhagalpur, and 46,863 persons were on famine relief-works in Darbhanga. 37,663 persons were gratuitously relieved in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 18th May 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 15th May 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 15th May 1909. | | | Week ending Saturday, the 16th May 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 210 | [illegible].608 | 635 | 250 | 87,309 | 1,112 |
| Jute ... ... | 23 | [illegible],670* | 117 | 97 | 34,797† | 498 |
| Firewood ... ... | 17 | 13,[illegible]75 | 192 | 64 | 63,425 | 957 |
| Other articles ... ... | 528 | 1,80,[illegible]6 | 2,294 | 611 | 2,30,545 | 2,813 |
| Total ... | 778 | 2,47,069 | 3,238 | 1,022 | 4,16,076 | 5,380 |

* Weight by canal measurement. 5,887½ maunds.
† Ditto ditto. 45,175 ,,

CALCUTTA,
*The 17th May 1909.*

E. R. SIRET,
for *Under-Secy. to the Govt. of Bengal.*

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan. | Burdwan | Kalna | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | ... | ... | 3·06 | 0·03 | 0·28 | 0·57 | ... | ... | ... | 0·87 | 0·45 |
| | | | Burdwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·88 | 0·31 | ? | ? | ... | ... | ... | 0·73 | 0·13 |
| | | | Katwa | ... | ... | ... | 0·04 | ... | ... | 2·48 | ... | ... | ... | ... | ... | 1·60 | ... | ... | ... | ... | ... | 1·15 | ... |
| | | | Raniganj | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·60 | 0·12 | 1·40 | ... | 0·38 | 0·50 | 1·85 | ... |
| | | | Mankur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·20 | ... | 0·42 | ... | ... | ... | 0·75 | ... |
| | | Birbhum | Suri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·61 | 0·27 | ... | 0·03 | ... | 0·96 | ... | 1·93 | ... |
| | | | Hetampur | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | 0·12 | 0·36 | ... | ... | ... | ... | 0·04 | 1·14 | ... |
| | | | Rampur Hat | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·34 | ... | ... | ... | 0·25 | ... | 1·73 | ... |
| | | | Bolpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·13 | ... | 0·70 | ... | ... | ... | 0·54 | ... |
| | | | Murari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | 0·20 | ... | 1·42 | ... | 0·15 | ... | 0·64 | 0·50 |
| | | | Labpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·29 | ... | ... | ... | 0·35 | ... | 0·65 | ... |
| | | Bankura | Bankura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | 0·22 | 0·42 | ... | ... | ... | 0·58 | 0·06 |
| | | | Vishnupur | 0·02 | ... | ... | ... | ... | ... | 0·63 | ... | ... | ... | ... | 0·10 | 0·28 | 0·18 | 0·30 | ... | 0·06 | ... | 0·77 | 0·02 |
| | | | Maliara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | 0·37 | ... | 0·05 | ... | 0·03 | 0·03 | 0·18 | ... |
| | | | Khatra | ... | ... | ... | ... | ... | 0·27 | ... | ... | ... | ... | ... | 0·12 | 0·12 | 0·24 | 0·21 | ... | 0·03 | ... | 0·13 | 0·18 |
| | | | Indas | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·41 | ... | 0·40 | ... | ... | 0·47 | 0·72 | ... |
| | | | Kotalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·46 | 0·45 | 1·01 | ... | ... | ... | ... | 0·34 | ... |
| | | | Onda | ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | 0·42 | 0·45 | ... | 0·32 | ... | 0·17 | ... | 0·46 | ... |
| | | | Gangajalghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·71 | 0·02 | 0·22 | ... | 0·23 | ... | 0·24 | 0·52 |
| | | | Raipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | 0·63 | 0·26 | ... | 0·10 | ... | 0·66 | 0·21 |
| | | | Sonamukhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | 0·33 | 0·43 | 0·18 | ... | ... | ... | 1·42 | ... |
| | | Midnapore | Pachet | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | ... | ... |
| | | | Contai | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | 0·01 | 1·55 | 0·52 | 0·12 | 0·02 | ... | 0·34 | 0·21 |
| | | | Tamluk | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·10 | ... | 0·17 | 0·63 | 0·04 | ... | ... | 0·31 | 0·14 |
| | | | Midnapore | ... | ... | 0·56 | ... | ... | ... | ... | ... | ... | ... | ... | 0·79 | ... | 0·10 | 0·23 | ... | ... | ... | 2·26 | 0·10 |
| | | | Ghatal | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | 0·45 | 0·42 | 0·18 | ... | ... | ... | 2·12 | 0·12 |
| | | | Kukrahaty | ... | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | 0·25 | 0·02 | ... | ... | ... | 0·25 |
| | | | Amlagura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·43 | ... | 0·05 | ... | ... | ... | 0·24 | 2·05 | 0·03 |
| | | | Panskura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 0·16 | 0·17 | 0·35 | ... | ... | ... | 1·05 | 0·21 |
| | | | Dantan | 0·80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... | 0·35 | 0·45 | 0·10 | ... | ... | 0·46 | 0·75 |
| | | | Chandrakona | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·37 | ... | ... | 1·10 | 0·10 | ... | ... | 0·62 | 1·82 | ... |
| | | | Bhagwanpur | ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | 1·31 | ... | 0·05 | 0·27 | 0·17 | ... | ... | 0·28 | 0·67 |
| | | | Gopiballhavpore. | ... | ... | ... | 0·09 | ... | ... | ... | 0·12 | ... | ... | ... | 0·55 | ... | 0·81 | 0·09 | 0·16 | ... | ... | 1·01 | 1·28 |
| | | | Silda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | 0·28 | 0·20 | ... | 0·57 | ... | 0·25 | 0·39 |
| | | | Goaltore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | 0·51 | ... | ... | ... | ... | 0·11 |
| | | | Heria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Janka (Khejari). | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | 0·83 | 0·28 | ... | 0·10 | ... | 0·16 | 0·38 | 0·06 |
| | | Hooghly | Serampore | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | 0·27 | ... | ... | 0·28 | 0·28 | 0·76 | ... | ... | ... | 1·18 | ... |
| | | | Hooghly | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·46 | 1·02 | ... | ... | ... | 0·[illegible]0 | ... |
| | | | *Arambagh* (Jahanabad) | ... | 0·54 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·17 | 0·12 | 0·08 | ... | ... | ... | 3·50 | 0·80 |
| | | Howrah | Howrah | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·17 | 1·02 | 0·81 | ... | ... | ... | 1·69 | 0·05 |
| | | | Mohesreka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | 0·15 | ... | ... | ... | 1·71 | 0·06 |
| | | | Uluberia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 0·19 | ... | ... | ... | 1·22 | 0·20 |
| | | | *Amta* | ... | ... | ... | ... | 0·57 | ... | ... | ... | ... | ... | ... | 0·21 | 0·16 | 0·06 | 0·46 | ... | 0·59 | ... | 1·27 | 0·02 |
| | Presidency. | 24-Parganas | Saugor Island | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·15 | 0·02 | 0·45 | 0·41 | 0·02 | 0·04 | ... | 1·10 | 0·27 |
| | | | Diamond Harbour. | ... | 0·53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 0·01 | 0·12 | 0·48 | ... | ... | ... | ... | 0·46 |
| | | | *Budge-Budge* | 0·02 | ... | ... | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | 0·22 | 0·52 | ... | ... | ... | 0·83 | 0·11 |
| | | | Canning Town | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 2·55 | 0·50 | 0·65 | ... | 0·05 | ... | 0·83 | ... |
| | | | Alipore (Obsy.) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·47 | 0·70 | ... | ... | ... | 0·19 | 0·27 |
| | | | Barrackpore | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | ... | ... | 0·15 | 0·21 | 0·60 | ... | ... | ... | 0·93 | ... |
| | | | Dum Dum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | 0·34 | 0·91 | ... | ... | ... | 1·25 | ... |
| | | | Barasat | 0·19 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·51 | 0·25 | ... | ... | ... | 1·54 | ... |
| | | | Basirhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·57 | 1·20 | ... | 0·76 | ... | ... | ... | ... | 2·10 | ... |
| | | | Frasergunj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Nadia | Ranaghat | 0·01 | 0·01 | ... | ... | 0·42 | ... | ... | ... | ... | ... | ... | 1·09 | 0·30 | 0·53 | 1·75 | ... | ... | ... | 0·30 | 0·01 |
| | | | Krishnagar | ... | ... | ... | 0·28 | 0·24 | ... | ... | ... | ... | ... | ... | 0·40 | 0·28 | 0·25 | 0·90 | ... | 0·06 | ... | 0·35 | 0·12 |
| | | | Chuadanga | ... | ... | ... | 0·33 | ... | ... | 0·92 | ... | ... | ... | ... | 1·61 | 1·10 | 0·01 | 0·70 | ... | [illegible] | ... | 0·95 | 0·15 |
| | | | Meherpur | ... | ... | ... | 0·05 | ... | ... | 0·67 | ... | ... | ... | ... | 0·28 | 1·15 | 0·07 | 0·33 | ... | 0·02 | ... | 1·17 | 0·20 |
| | | | Kushtia | ... | ... | ... | 0·01 | 0·13 | ... | 1·31 | 0·90 | ... | ... | ... | 0·63 | 0·53 | ... | 0·57 | ... | ... | ... | 0·70 | 0·03 |
| | | | Haringhata | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | 1·57 | 0·14 | 0·40 | ... | ... | ... | 0·50 | 0·08 | ... |
| | | Murshidabad | Kandi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·28 | ... | ... | ... | 0·25 | ... | 2·07 | ... |
| | | | Berhampore | 0·02 | ... | ... | ... | ... | ... | 1·15 | ... | ... | ... | ... | 0·38 | 0·90 | ... | 0·12 | ... | 0·31 | ... | 1·10 | 0·14 |
| | | | Lalbagh | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | 0·29 | 0·27 | ... | 0·88 | ... | 0·[illegible]6 | ... | 1·04 | 0·35 |
| | | | Azimganj | ... | ... | ... | ... | ... | ... | 0·04 | 0·09 | ... | ... | ... | ... | 0·10 | ... | 1·25 | ... | 0·03 | ... | 1·21 | 0·36 |
| | | | Jangipur | ... | ... | ... | 0·03 | ... | ... | ... | 0·02 | ... | ... | ... | ... | 0·11 | ... | 0·76 | ... | 0·04 | ... | 0·74 | 0·44 |
| | | | Lalgola | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | ... | 0·10 | ... | 1·52 | ... | ... | ... | 0·50 | 0·10 |
| | | | Akriganj | ... | ... | ... | ... | ... | ... | 0·05 | 0·31 | ... | ... | ... | ... | ... | ... | 0·75 | ... | 0·02 | ... | ... | 0·11 |
| | | | Patkabari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·52 | ... | 0·38 | ... | 0·05 | ... | 0·62 | 0·29 |
| | | | Dumkal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 1·02 | ... | 1·41 | ... | 0·11 | ... | 0·63 | 0·47 |
| | | | *Kulliyanganj* | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jessore | Narail | ... | ... | ... | 0·43 | ... | ... | ... | ... | ... | 0·04 | 0·14 | 0·30 | 0·32 | 0·03 | 0·54 | ... | 0·02 | ... | 1·01 | 0·22 |
| | | | Jessore | 0·01 | ... | ... | 0·01 | 0·38 | ... | 0·02 | ... | ... | ... | ... | 0·20 | 0·30 | 0·01 | 0·52 | ... | ... | ... | 0·23 | ... |
| | | | Jhenida | ... | ... | ... | 0·35 | 0·10 | ... | 0·35 | ... | ... | ... | ... | 0·40 | 0·47 | ... | 0·50 | ... | ... | ... | 0·16 | ... |
| | | | Magura | ... | ... | ... | 0·68 | 0·72 | ... | 0·72 | ... | ... | ... | ... | 1·05 | 0·35 | ... | 0·42 | ... | ... | ... | 0·69 | 0·02 |
| | | | Bangaon | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·95 | 3·[illegible] | 0·12 | 0·92 | ... | ... | ... | 0·44 | 0·94 |
| | | Khulna | Satchira | ... | ... | ... | 0·74 | ... | ... | ... | 1·56 | ... | ... | ... | 0·73 | 0·03 | 0·30 | 0·89 | ... | ... | ... | 0·82 | ... |
| | | | Bagerhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | (?) | 1·31 | 0·[illegible] | ... | ... | ... | ... | ... | ... | 0·41 |
| | | | Khulna | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·02 | 0·[illegible] | 0·[illegible] | ... | 0·13 | ... | ... | ... | ... | 2·00 |
| | | | *Kaliganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·[illegible] | 0·18 | 0·57 | ... | ... | ... | 0·30 | ... |
| | | | Nakipur | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·85 | 0·11 | 0·13 | 0·30 | ... | ... | ... | 0·44 | 0·08 |
| | | | *Dumuria* | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | 0·02 | ... | ... | 0·71 | ... | 0·26 | ... | ... | ... | 0·72 | ... |
| | | | Kamal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·23 | 0·85 | 0·94 | ... | 0·16 | ... | ... | ... | 0·10 | ... |
| | | | *Kalaroa* | ... | ... | ... | ... | 0·93 | ... | ... | 0·13 | ... | 0·25 | 0·28 | 0·11 | 0·78 | 0·40 | 1·02 | ... | ... | ... | 0·49 | 0·54 |
| | | | *Paikgachha* | ... | ... | ... | ... | ... | ... | ... | 0·65 | ... | ... | 0·13 | 1·92 | 0·89 | ... | 0·34 | ... | ... | ... | 0·47 | ... |
| | | | *Sealdah* | ... | ... | ... | 0·53 | ... | ... | ... | ... | ... | ... | ... | 1·38 | 0·15 | 0·12 | 0·05 | ... | ... | ... | 0·24 | ... |
| | | | *Horingunj* | ... | 0·03 | ... | ... | ... | 0·15 | ... | ... | ... | ... | 1·70 | 0·30 | 0·55 | ... | 0·21 | ... | ... | ... | 0·08 | ... |
| | | | *Tala* | ... | 0·02 | ... | ... | 0·21 | ... | ... | 0·24 | ... | ... | ... | 0·[illegible]0 | 0·40 | 0·01 | 0·[illegible]0 | ... | ... | ... | 0·13 | ... |
| Bihar. | Patna. | Patna | Patna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | ... | ... | 0·04 | 0·17 | ... |
| | | | Bihar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... | 0·12 | ... |
| | | | Bihar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | ... | 0·23 | ... |
| | | | Barh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | 0·25 | 0·64 | 0·31 | ... |
| | | | Bakram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | 0·23 | ... |
| | | | Hilsa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | ... | 0·90 | ... | 0·35 | ... |
| | | | *Islampur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... |
| | | | *Asthawan* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... |
| | | Gaya | Jahanabad | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | 0·01 | ... | ... |
| | | | Gaya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·37 | ... |
| | | | Nawada | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | ... | ... |
| | | | Chakandaha | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·57 | 0·09 | ... |
| | | | Nawal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | 0·24 | 0·27 |
| | | | Daudnagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | ... | ... | ... |
| | | | Sherghati | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | 0·05 | ... | ... | ... | ... | ... |
| | | | Gayaji | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·80 | ... |
| | | | Lakhi Sarawan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... |
| | | | *Deo* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Rajauli* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN APRIL 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 1st to 30th April 1909. | Average rainfall from 1st to 30th April. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·26 | 0·35 | 0·22 | 0·13 | . | 0·47 | 0·36 | 0·17 | ... | ... | 12 | 2·97 | 7·32 | 2·62 | 3·06 | 7·32 | 2·62 | Kalna | Burdwan ... | Burdwan. | South-West Bengal. |
| 4·10 | 0·37 | 0·17 | 0·17 | 0·65 | 0·01 | 0·02 | 0·18 | 0·62 | ... | 11 | 3·48 | 8·84 | 2·20 | 4·60 | 8·84 | 2·20 | Burdwan | | | |
| 1·36 | 0·09 | ... | ... | 0·25 | | 0·21 | . | ... | ... | 6 | 2·90 | 7·18 | 1·58 | 2·18 | 7·18 | 1·58 | Katwa. | | | |
| ... | 0·75 | ... | ... | 0·15 | 0·35 | 0·85 | 0·20 | ... | ... | 11 | 2·47 | 7·23 | 1·59 | 1·85 | 7·23 | 1·59 | Raniganj | | | |
| ... | 0·20 | ... | 0·84 | ... | 1·20 | ... | 0·22 | ... | ... | 7 | 2·07 | 4·83 | 1·40 | 1·20 | 4·83 | 1·40 | Mankur. | | | |
| ... | ... | ... | ... | 0·57 | 0·02 | 0·81 | ... | ... | ... | 5 | 2·07 | 4·60 | 0·92 | 1·93 | 4·60 | 0·92 | Suri | Birbhum ... | | |
| 0·12 | ... | ... | 0·06 | 0·68 | 0·47 | 0·67 | 0·07 | 0·04 | ... | 7 | 1·8 | 3·78 | 1·06 | 1·14 | 3·78 | 1·06 | Hotampur. | | | |
| ... | ... | ... | 0·71 | 0·8. | | 0·11 | 0·06 | ... | ... | 6 | 2·19 | 4·03 | 1·26 | 1·73 | 4·03 | 1·26 | Rampur Hât. | | | |
| 0·27 | ... | ... | ... | 0·44 | 0·10 | 0·80 | .. | ... | ... | 8 | 1·87 | 3·10 | 1·12 | 0·80 | 3·10 | 1·12 | Bolpur. | | | |
| ... | ... | ... | 0·34 | 0·62 | ... | ... | 0·20 | ... | 0·08 | 9 | 2·09 | 4·39 | 1·12 | 1·42 | 4·39 | 1·12 | Murari. | | | |
| 1·35 | ... | ... | 2·15 | 0·25 | ... | 0·43 | .. | ... | .. | 7 | 2·86 | 5·27 | 1·39 | 2·15 | 5·27 | 1·39 | Labpur. | | | |
| ... | 1·44 | ... | ... | 1·29 | 0·20 | 0·02 | 0·17 | ... | ... | 7 | 3·00 | 4·53 | 1·52 | 1·44 | 4·53 | 1·52 | Bankura ... | Bankura ... | | |
| ... | 0·15 | 0·02 | 0·58 | 0·88 | 0·24 | 0·05 | 0·21 | ... | ... | 11 | 2·90 | 4·59 | 1·65 | 0·88 | 4·59 | 1·6. | Vishnupur. | | | |
| ... | 0·06 | ... | ... | 1·05 | 0·68 | 0·.5 | 0·15 | ... | ... | 7 | 2·38 | 3·68 | 0·97 | 1·05 | 3·68 | 0·97 | Maliara | | | |
| ... | 0·80 | 0·03 | ... | 2·20 | 0·06 | ... | 0·56 | ... | ... | 10 | 2·05 | 4·65 | 0·95 | 2·20 | 4·65 | 0·95 | Khatra. | | | |
| ... | 2·19 | ... | ... | 0·50 | 0·48 | | 0·22 | ... | ... | 8 | 2·69 | 5·39 | 1·18 | 2·19 | 5·39 | 1·08 | Indas. | | | |
| 1·05 | 1·07 | 0·07 | ... | 0·49 | 0·56 | 0·68 | 0·67 | ... | ... | 10 | 2·31 | 6·85 | 1·73 | 1·07 | 6·85 | 1·73 | Kotalpur. | | | |
| ... | 1·55 | ... | ... | 1·16 | 0·07 | 0·12 | 0·31 | ... | ... | 10 | 2·44 | 5·30 | 1·08 | 1·55 | 5·30 | 1·08 | Onda. | | | |
| ... | 0·10 | ... | ... | 1·18 | 0·29 | 1·03 | 0·25 | ... | ... | 10 | 2·58 | 4·98 | 1·21 | 1·34 | 4·98 | 1·21 | Gangajalghati | | | |
| ... | 0·30 | 0·22 | 0·13 | .. | 1·15 | 0·35 | 0·61 | 1·25 | ... | 12 | 2·40 | 5·89 | 1·02 | 1·25 | 5·89 | 1·02 | Raipur. | | | |
| ... | 0·20 | ... | ... | 1·57 | 0·57 | ... | 0·17 | .. | ... | 9 | 2·25 | 5·17 | 1·44 | 1·57 | 5·17 | 1·44 | Sonamukhi. | | | |
| | | | | | | ... | ... | .. | .. | | | ? | | | ? | | Pachet .. | Midnapore .. | | |
| 0·04 | 0·06 | 0·05 | 0·03 | 0·24 | 0·01 | .. | 0·04 | ... | ... | 7 | 2·26 | 3·69 | 1·21 | 1·55 | 3·69 | 1·21 | Contai. | | | |
| 1·02 | 0·26 | 0·10 | 0·23 | 1·27 | ... | 0·49 | 0·76 | ... | ... | 13 | 2·50 | 6·17 | 1·50 | 1·27 | 6·17 | 1·50 | Tamluk | | | |
| . | 1·61 | 0·33 | ... | 1·48 | ... | .. | 1·85 | ... | ... | 10 | 3·10 | 9·61 | 1·62 | 2·56 | 9·61 | 1·62 | Midnapore. | | | |
| ... | 1·25 | 0·45 | .. | 1·28 | ... | 0·07 | 0·85 | ... | ... | 10 | 3·00 | 7·63 | 1·87 | 2·13 | 7·63 | 1·87 | Ghatal | | | |
| 0·20 | 0·58 | 0·04 | 0·13 | 0·92 | .. | 1·32 | 0·59 | ... | ... | 9 | 2·90 | 4·67 | 0·95 | 1·32 | 4·67 | 0·95 | Kukrahaty. | | | |
| 0·10 | 2·61 | ... | 0·24 | 1·40 | 0·06 | 0·85 | 0·80 | ... | ... | 10 | ? | 9·76 | 1·73 | 2·61 | 9·76 | ? | Amlagura. | | | |
| 0·20 | 0·25 | 0·41 | ... | 1·15 | ... | 0·03 | 0·80 | ... | ... | 10 | 3·75 | 4·83 | 1·90 | 1·15 | 4·83 | 1·90 | Panskura. | | | |
| .. | 0·45 | 1·40 | 0·7 | 0·10 | 0·09 | ... | .. | ... | ... | 11 | 3·00 | 5·77 | 1·80 | 1·40 | 5·77 | 1·80 | Dantan | | | |
| | 1·41 | 0·35 | 0·14 | 1·08 | .. | 0·89 | 0·33 | ... | ... | 11 | ? | 8·21 | ? | 1·83 | 8·21 | ? | Chandrakona. | | | |
| 0·08 | 1·14 | 1·20 | 0·87 | 1·59 | ... | 0·84 | 0·94 | ... | ... | 13 | ? | 10·56 | ? | 1·59 | 10·56 | ? | Bhagwanpur. | | | |
| ... | 1·31 | 0·36 | 0·30 | 0·85 | 0·40 | ... | 0·22 | ... | ... | 12 | ? | 7·55 | ? | 1·31 | 7·55 | ? | Gopiballhavpore. | | | |
| ... | 0·34 | 0·20 | 0·03 | 2·09 | 0·20 | 0·06 | 0·70 | ... | ... | 11 | ? | 6·30 | ? | 2·09 | 6·30 | ? | Silda. | | | |
| ... | 3·14 | 0·10 | 0·21 | 1·37 | 0·07 | 1·35 | 0·79 | ... | ... | 9 | ? | 7·86 | ? | 1·37 | 2·86 | ? | Goaltore. | | | |
| ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | ? | [illegible] | ? | | | ? | Heria. | | | |
| ... | 0·60 | ... | ... | 0·29 | ... | 1·64 | ... | ... | ... | 10 | ? | 5·24 | ? | 1·64 | 5·24 | ? | Janka (Khejari). | | | |
| 0·04 | 1·24 | 2·29 | ... | 1·29 | ... | 0·04 | 0·82 | ... | ... | 9 | 3·17 | 8·51 | 2·05 | 2·29 | 8·51 | 2·05 | Serampore ... | Hooghly ... | | |
| 0·14 | 0·19 | 1·40 | ... | 1·04 | | 0·19 | 0·14 | .. | ... | 10 | 2·04 | 5·38 | 2·46 | 1·3. | 5·38 | 2·46 | Hooghly. | | | |
| 0·14 | 2·46 | 0·23 | 0·08 | 0·.6 | 1·07 | 0·24 | 0·56 | ... | ... | 12 | 2·80 | 11·08 | 1·69 | 5·50 | 11·08 | 1·69 | Arambagh (Jahanabad). | | | |
| 0·45 | 0·25 | 0·40 | 0·03 | 0·72 | ... | 0·22 | 1·81 | ... | ... | 11 | 3·10 | 8·48 | 1·80 | 1·81 | 8·48 | 1·80 | Howrah | Howrah ... | | |
| 0·15 | 0·53 | 0·81 | 0·07 | 1·02 | ... | 0·10 | 0·70 | ... | ... | 9 | 2·56 | 6·00 | 1·38 | 1·71 | 6·00 | 1·38 | Mohesreka. | | | |
| ... | 0·25 | 0·79 | ... | 0·56 | 0·04 | 0·05 | 1·05 | ... | ... | 8 | 3·44 | 5·05 | 1·74 | 1·23 | 5·05 | 1·74 | Ulubaria | | | |
| 0·01 | 0·24 | 1·32 | ... | 0·93 | ... | 0·06 | 1·17 | ... | ... | 9 | ? | 7·36 | ? | 1·32 | 7·36 | ? | Amta. | | | |
| 0·06 | 0·06 | 0·04 | | 0·80 | ... | 0·01 | ... | ... | ... | 6 | 2·00 | 3·53 | 1·06 | 1·10 | 3·53 | 1·06 | Saugor Island | 24-Parganas ... | | |
| 0·04 | 0·14 | 0·09 | 0·04 | 1·04 | 0·02 | 0·02 | 0·52 | ... | ... | 8 | 2·20 | 4·06 | 1·65 | 1·04 | 4·06 | 1·65 | Diamond Harbour. | | | |
| 0·02 | 0·36 | 0·05 | 0·02 | 0·59 | 0·02 | ... | 0·46 | ... | .. | 8 | ? | 3·45 | ? | 0·83 | 3·45 | ? | Budge-Budge. | | | |
| 0·13 | .. | 0·70 | ... | 1·7 | ... | 0·06 | 1·18 | ... | ... | 8 | 2·07 | 7·93 | 1·41 | 2·53 | 7·93 | 1·41 | Canning Town. | | | |
| 0·89 | 0·13 | 0·68 | 0·05 | 0·38 | ... | 0·34 | 0·66 | ... | ... | 11 | 2·92 | 5·95 | 1·54 | 0·98 | 5·95 | 1·54 | Alipore (Obsy.). | | | |
| 0·11 | 1·34 | 2·56 | ... | 1·33 | ... | .. | 0·85 | ... | ... | 10 | 3·30 | 8·56 | 1·89 | 2·56 | 8·76 | 1·89 | Barrackpore | | | |
| 0·80 | 0·20 | 1·71 | ... | 0·42 | ... | 0·12 | 1·02 | ... | .. | 10 | 3·17 | 6·90 | [illegible] | 1·51 | 6·90 | [illegible] | Dum-Dum | | | |
| 0·18 | 0·10 | 0·20 | ... | 0·55 | ... | 0·02 | 0·15 | ... | ... | 10 | 3·07 | 5·39 | 1·94 | 1·50 | 5·39 | 1·94 | Barasat. | | | |
| 0·52 | ... | .. | 0·52 | ... | ... | ... | ... | ... | ... | 9 | 3·25 | 5·67 | 2·26 | 2·10 | 5·67 | 2·26 | Basirhat Fraserganj. | | | |
| 0·02 | 0·10 | 0·05 | 0·12 | 0·60 | ... | 0·02 | 0·05 | ... | ... | 10 | 3·74 | 7·95 | 2·75 | 1·90 | 7·95 | 2·75 | Ranaghat | Nadia .. | Presidency. | |
| 0·50 | ... | 1·20 | 0·27 | 0·44 | ... | 1·33 | 0·45 | ... | ... | 14 | 3·3. | 7·07 | 2·43 | 1·33 | 7·0. | 2·43 | Krishnagar | | | |
| 0·13 | ... | 0·62 | .. | 0·50 | ... | ... | ... | 0·17 | .. | 11 | 4·26 | 7·18 | 2·75 | 1·61 | 7·18 | 2·75 | Chuadanga. | | | |
| 0·22 | 0·03 | 0·16 | .. | 0·27 | ... | ... | ... | 0·75 | ... | 10 | 3·84 | 5·32 | 3·18 | 1·17 | 5·32 | 3·18 | Meherpur | | | |
| 0·04 | ... | 0·76 | .. | 0·30 | ... | 0·50 | . | 0·36 | .. | 11 | 4·81 | 6·77 | 2·98 | 1·31 | 6·.7 | 2·98 | Kushtia | | | |
| 0·14 | 0·05 | 0·15 | 1·00 | ... | ... | ... | 1·80 | ... | ... | 9 | ? | 6·18 | ? | 1·80 | 6·18 | ? | Haringhata | | | |
| 0·92 | ... | .. | 0·08 | 0·06 | ... | 0·03 | ... | ... | . | 5 | 2·65 | 4·89 | 1·75 | 2·07 | 4·89 | 1·75 | Kand | Murshidabad | | |
| 0·42 | .. | .. | .. | 0·11 | 0·14 | . | ... | ... | ... | 10 | 2·56 | 4·72 | 1·75 | 1·15 | 4·72 | 1·75 | Berhampore | | | |
| 0·20 | ... | ... | . | . | 0·13 | 0·35 | ... | 0·05 | . | 10 | 2·29 | 4·01 | 1·35 | 1·.4 | 4·01 | 1·35 | Lalbagh | | | |
| 1·28 | ... | ... | . | 0·03 | 0·33 | 0·73 | 0·11 | 0·18 | 0·15 | 10 | 2·59 | 5·96 | 1·54 | 1·28 | 5·96 | 1·54 | Azimganj. | | | |
| ... | .. | ... | 0·30 | 0·32 | 0·02 | . | 0·19 | . | 0·32 | 8 | 2·34 | 3·28 | 1·30 | 0·7. | 3·28 | 1·30 | Jangipur | | | |
| ... | ... | ... | 0·04 | 0·12 | 3·50 | 0·50 | ... | 0·25 | ... | 9 | 2·41 | 6·90 | 1·43 | 3·50 | 6·90 | 1·43 | Lalgola. | | | |
| 0·43 | .. | ... | ... | 0·06 | 0·44 | . | . | ... | ... | 5 | 2·93 | 2·17 | 1·78 | 0·75 | 2·17 | 1·78 | Akriganj. | | | |
| | | | | | | | | | | | 2·92 | | 2·25 | | | 2·25 | Patkabari. | | | |
| 1·56 | ... | ... | 0·17 | ... | ... | 0·10 | ... | ... | ... | 7 | 3·16 | 3·69 | 1·69 | 1·56 | 3·69 | 1·69 | Dumkal. | | | |
| 1·33 | ... | ... | . | ... | ... | 0·21 | 0·21 | .. | 0·05 | 9 | ? | 5·79 | ? | 1·33 | 5·79 | ? | Kallyanganj. | | | |
| 0·44 | ... | 2·55 | .. | 0·23 | 0·29 | .. | .. | 0·18 | ... | 12 | 5·17 | 6·54 | 3·21 | 2·55 | 6·54 | 3·21 | Narail | Jessore ... | | |
| 1·34 | ... | 0·37 | ... | 0·25 | ... | 0·86 | ... | .. | ... | 9 | 4·18 | 4·55 | 3·90 | 1·34 | 4·55 | 3·90 | Jessore. | | | |
| 0·28 | 1·35 | . | ... | 0·71 | ... | 0·98 | | 0·07 | ... | 10 | 4·53 | 5·41 | 3·23 | 1·35 | 5·41 | 3·23 | Jhenida | | | |
| 0·31 | ... | 2·32 | ... | 0·07 | ... | ... | 0·02 | ... | ... | 9 | 4·85 | 7·37 | 3·67 | 2·32 | 7·37 | 3·67 | Magura. | | | |
| 0·80 | ... | 0·14 | ... | 0·96 | ... | 0·78 | 0·26 | ... | ... | 11 | 3·81 | 11·78 | 2·45 | 3·40 | 11·78 | 2·45 | Bangaon. | | | |
| 0·55 | 0·50 | ... | 0·02 | 0·35 | ... | . | ... | 0·35 | ... | 11 | 4·03 | 7·44 | 2·93 | 1·56 | 7·44 | 2·93 | Satchira .. | Khulna ... | | |
| ... | ... | 0·05 | 0·12 | | ... | 0·13 | . | 0·46 | ... | 7 | 3·97 | 3·12 | 2·93 | 1·81 | 3·12 | 2·93 | Bagerhat | | | |
| .. | ... | 0·20 | ... | 0·10 | .. | 0·19 | ... | ... | ... | 8 | 4·37 | 3·70 | 2·87 | 2·00 | 3·70 | 2·87 | Khulna. | | | |
| 4·16 | ... | 1·35 | .. | 0·72 | ... | ... | | ... | ... | 8 | ? | 8·20 | ? | 4·16 | 8·20 | ? | Kaliganj. | | | |
| 0·50 | ... | 2·15 | ... | 0·34 | ... | . | 0·40 | .. | ... | 10 | 2·36 | 6·28 | 1·92 | 2·15 | 6·28 | 1·92 | Nakipur. | | | |
| ... | ... | 1·06 | ... | 0·56 | ... | 0·67 | ... | ... | ... | 7 | ? | 4·15 | . | 1·06 | 4·15 | ? | Damurha. | | | |
| ... | ... | 0·15 | .. | 0·07 | ... | 1·40 | ... | . | ... | 7 | 3·00 | 4·88 | 2·42 | 1·41 | 4·88 | 2·42 | Kamrai. | | | |
| ... | ... | 1·35 | ... | . . | ... | 0·35 | ... | ... | .. | 12 | ? | 7·12 | ? | 1·35 | 7·12 | ? | Kalaroa. | | | |
| 0·25 | ... | 0·32 | 0·01 | 0·42 | ... | 0·14 | ... | 0·16 | . | 11 | ? | 5·05 | ? | 1·.7 | 5·05 | ? | Paikgachha. | | | |
| 0·10 | ... | 0·97 | ... | 0·03 | ... | 0·56 | . | . | | 8 | ? | 4·41 | ? | 1·28 | 4·41 | ? | Mollahat. | | | |
| 1·59 | 1·61 | ... | ... | 0·12 | . | 0·.0 | .. | | 0·34 | 10 | ? | 7·20 | ? | 1·59 | 7·20 | ? | Morelganj. | | | |
| 0·68 | ... | ... | 0·11 | 0·40 | 0·13 | 1·21 | ... | 0·55 | ... | 12 | ? | 5·28 | ? | 1·21 | 5·28 | ? | Tala. | | | |
| ... | 0·16 | ... | ... | 0·52 | ... | . | 0·16 | ... | ... | 5 | 0·78 | 1·97 | 0·30 | 0·62 | 1·97 | 0·30 | Patna .. | Patna ... | | |
| ... | 0·57 | 0·61 | 0·02 | 1·66 | ... | ... | 0·12 | ... | ... | 4 | 0·45 | 2·5. | 0·27 | 1·56 | 2·52 | 0·22 | Dinapore. | | | |
| ... | 1·75 | .. | 0·45 | 0·26 | 0·01 | ... | 1·60 | ... | .. | 6 | 0·87 | 4·80 | 0·28 | 1·75 | 4·80 | 0·28 | Bihar. | | | |
| ... | 0·56 | ... | 0·07 | 0·33 | ... | ... | 0·35 | 0·30 | . | 7 | 0·57 | 2·85 | 0·17 | 0·64 | 2·85 | 0·17 | Barh. | | | |
| ... | 0·10 | ... | ... | ... | ... | ... | 0·80 | ... | . | 4 | [illegible] | 1·33 | 0·06 | 0·80 | 1·33 | 0·36 | Bikram. | | | |
| ... | 0·70 | ... | 0·25 | ... | 0·22 | ... | 1·05 | ... | . | 7 | 0·79 | 4·12 | 0·35 | 1·05 | 4·12 | 0·35 | Hilsa. | | | |
| ... | | | | | | | | | | | ? | | ? | | | ? | Islampur. | | | |
| ... | 1·48 | ... | ... | 0·10 | ... | ... | 1·20 | ... | .. | 4 | ? | 3·03 | ? | 1·48 | 3·03 | ? | Asthawan. | | | |
| ... | 0·03 | ... | 0·07 | ... | 0·25 | ... | 0·07 | ... | ... | 1 | 0·57 | 0·49 | 0·22 | 0·25 | 0·49 | 0·22 | Aurangabad .. | Gaya ... | | |
| ... | 0·70 | ... | ... | ... | ... | ... | 0·58 | . | .. | 3 | 0·58 | 1·65 | 0·27 | 0·70 | 1·65 | 0·27 | Gaya. | | | |
| ... | 0·31 | 0·06 | ... | ... | ... | 0·18 | 0·16 | .. | ... | 4 | 0·63 | 0·90 | 0·23 | 0·31 | 0·90 | 0·23 | Nawadah | | | |
| 0·02 | 0·79 | ... | ... | ... | ... | .. | 1·01 | . | ... | 2 | 0·54 | 1·98 | 0·18 | 1·01 | 1·98 | 0·18 | Jahanabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | . | 1·50 | ... | 4 | 0·40 | 2·11 | 0·13 | 1·50 | 2·11 | 0·13 | Arwal. | | | |
| ... | ... | ... | 0·09 | ... | .. | 0·22 | 1·30 | ... | .. | 2 | 0·34 | 1·66 | 0·06 | 1·30 | 1·66 | 0·06 | Daudnagar. | | | |
| ... | 0·81 | ... | 0·05 | ... | 0·35 | 0·29 | 0·42 | ... | ... | 4 | 0·13 | 2·05 | 0·08 | 0·81 | 2·05 | 0·08 | Sherghati. | | | |
| ... | 1·42 | ... | ... | 0·28 | ... | 0·24 | ... | ... | .. | 4 | 0·60 | 2·74 | 0·32 | 1·42 | 2·74 | 0·32 | Rajauli. | | | |
| ... | | ... | ... | .. | .. | 0·12 | ... | ... | .. | 2 | 0·40 | 0·27 | 0·08 | 0·15 | 0·27 | 0·08 | Pakri Barawan. | | | |
| ... | 0·02 | ... | | | 0·05 | .. | 0·12 | ... | ... | 1 | ? | 0·19 | ? | 0·12 | 0·19 | ? | Deo. | | | |
| ... | ... | ... | 0·10 | ... | 0·08 | 0·05 | 0·14 | .. | ... | 2 | ? | 0·37 | ? | 0·14 | 0·37 | ? | Nabinagar. | | | |

## TABLE OF RAINFALL RECORDED AT

BIHAR—*concluded.*

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Patna *contd.* | Shahabad ... | Buxar .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | 0·09 | ... |
| | | | Dehri .. | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhabhua ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sasaram ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | 0·01 | ... | ... | 0·04 |
| | | | Arrah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 0·05 | 0·05 | ... |
| | | | Mohanea ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ageaon .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | ... | 0·66 |
| | | | Ramagar .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... |
| | | | Koath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... |
| | | | Sikroul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... |
| | | | Bassowan .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... |
| | | | *Akberpur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | 0·25 |
| | Tirhut. | Saran ... | Gopalganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·14 | 1·00 | ... |
| | | | Siwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·29 | 0·23 | 0·24 |
| | | | Ekma ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 0·45 | 0·05 |
| | | | Chapra .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·14 | ... |
| | | | *Hathwa* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·88 | 0·80 | ... |
| | | | Amnor .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | 0·40 | 0·20 | ... |
| | | | Basantpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | 0·20 | ... |
| | | | *Darauli* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... |
| | | | *Bhoreh* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Sripur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·66 | 1·56 | ... |
| | | Champaran ... | Motihari ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·44 | 0·17 | ... | ... | ... | 1·74 | 1·01 | 0·06 |
| | | | Bettiah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 | 0·23 | ... | ... | ... | 0·42 | 0·65 | ... |
| | | | Bagaha ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·43 | 0·15 | ... | ... | ... | ... | 0·45 | 0·11 | ... |
| | | | Burhurwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·05 | 1·10 | ... |
| | | | *Ramnagar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·17 | ... | ... | ... | 0·21 | ... | ... | ... |
| | | | *Narkotiaganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6·01 | 4·00 | ... | ... | 6·00 | ... | ... | ... |
| | | | *Kissoriah* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·18 | ... | ... | 0·93 | 0·20 | ... |
| | | | *Dhanaha* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | 0·10 | 0·35 | 0·10 | ... |
| | | Muzaffarpur . | Sitamarhi . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | 0·54 | ... | ... | 0·15 | 1·14 | ... | ... |
| | | | Muzaffarpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | 0·35 | 0·92 | ... |
| | | | Hajipur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 0·13 | ... |
| | | | Paru ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | ... | ... | ... | 0·41 | ... | ... |
| | | | Mahua ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | 0·95 | 0·08 | ... |
| | | | Shiuhar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | ... | ... | ... | 0·02 | 0·35 | ... | ... |
| | | | Pupri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·20 | ... | 0·20 | 0·22 | 0·90 | 0·02 |
| | | Darbhanga ... | Tajpur (Samastipur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·14 | ... | ... | 0·01 | 0·09 | 2·25 | ... |
| | | | Darbhanga ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | 0·15 | ... | ... | 0·89 | 0·18 | ... |
| | | | Madhubani ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | 0·34 | ... | 0·19 | 0·61 | 0·03 | ... |
| | | | Bahera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | 0·40 | ... | ... | 2·06 | 0·20 | ... |
| | | | Rosera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·67 | 0·20 |
| | | | *Khutonia* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·97 | ... | ... | 0·35 | ... | 0·34 | 2·45 | 0·35 | ... | ... |
| | | | *Ladania* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·23 | ... | 0·77 | 0·46 | 0·37 | 0·86 | 0·57 | ... |
| | | | *Laukaha* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·74 | ... | 0·50 | ... | 0·21 | 0·06 | 1·68 | 0·09 | ... |
| | | | *Khajoulı* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·37 | 0·34 | ... | 0·52 | 0·20 | 0·18 | 1·56 | 0·51 | ... | ... |
| | | | *Banipatti* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | 0·20 | 0·36 | ... | ... | 0·23 | 0·40 | ... | ... |
| | | | *Madhupur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·09 | 0·28 | 1·01 | 0·50 | 0·10 | ... |
| | Bhagalpur. | Monghyr .. | Begusarai ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | ... | 0·08 | 0·05 | 0·20 | 0·04 |
| | | | Monghyr .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | 0·17 | 0·04 | 0·09 | 0·46 |
| | | | Jamui ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | ... |
| | | | Gogri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | 0·04 | 0·05 | 0·33 |
| | | | Jamalpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | 0·10 | 0·04 | 0·12 | 0·17 |
| | | | Shaikhpura .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... |
| | | | Chakai Hamdu | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | 0·15 | 0·35 | 1·17 |
| | | | Chupreon ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·20 | ... |
| | | | Gidhour ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... |
| | | | Kharagpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·54 | 0·14 | 0·03 |
| | | Bhagalpur .. | Madhipura .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | ... | 0·19 | ... |
| | | | Bangaon (Syfabad). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | ... | 0·64 |
| | | | Supaul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 1·04 | 0·95 | ... | ... |
| | | | Pratapganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·40 | ... | ... | 0·50 | 0·20 | 0·35 | 0·25 | ... | ... |
| | | | Bhagalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·73 | 0·02 | 0·15 | 0·16 |
| | | | Banka .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·80 | 0·85 |
| | | | Colgong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·73 | ... | 0·26 | ... |
| | | | Bansil ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·85 | 0·38 |
| | | Darjeeling ... | Siliguri ... | ... | ... | ... | ... | ... | ... | 0·83 | 0·03 | ... | ... | ... | 0·23 | 0·96 | 0·50 | 0·56 | 1·00 | 0·30 | ... | 0·03 | ... |
| | | | Darjeeling ... | ... | ... | ... | ... | ... | ... | 0·16 | 0·53 | 0·04 | ... | 0·16 | 0·15 | 0·27 | 0·12 | 0·08 | 0·47 | 0·15 | 0·06 | 0·22 | 0·70 |
| | | | Kalimpong . | ... | ... | ... | ... | ... | ... | 0·10 | 0·16 | ... | ... | 0·59 | ... | 0·06 | ... | 0·31 | 0·60 | 0·18 | 0·03 | 0·40 | 0·42 |
| | | | Mongpoo ... | ... | ... | ... | ... | ... | ... | 0·18 | 1·32 | 0·38 | 0·01 | 0·47 | 0·07 | 0·58 | 0·07 | 0·07 | 0·68 | 0·30 | 0·05 | 0·60 | 0·46 |
| | | | Kurseong ... | ... | ... | ... | ... | ... | ... | 0·08 | 1·75 | ... | ... | 0·03 | 0·27 | 0·10 | 0·12 | 0·25 | 0·65 | 0·80 | ... | 0·47 | 0·21 |
| | | | Pedong ... | ... | ... | ... | ... | ... | ... | 0·31 | 0·12 | 0·25 | 0·04 | 0·03 | 0·80 | 0·11 | 0·06 | 0·15 | 0·43 | 0·42 | 0·02 | 0·20 | 0·67 |
| | | Purnea .. | Kishanganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·50 | ... | 1·00 | 0·40 | 0·08 | ... | ... | ... |
| | | | Araria ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | 0·75 | 0·60 | 1·10 | 1·02 | ... | 0·86 | 0·13 |
| | | | Purnea ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·78 | ... | ... | 0·02 | ... | 0·14 | 0·17 |
| | | | Gondwara (*Korah*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | ... | ... | ... | ... | ... | ... | 0·08 | 0·12 | ... |
| | | | Barsoe ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | 0·22 | 0·93 | ... | ... | 1·30 | ... |
| | | | Forbesganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | ... | ... | 0·55 | 1·46 | 0·26 | 0·08 | 0·33 | 0·54 |
| | | | Kaliaganj .. | | | | | | | | | | | | | | | | | | | | |
| | | Sonthal Parganas. | Rajmahal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·48 | ... | ... | ... | 0·15 | 0·30 | ... | 0·19 | 0·16 |
| | | | Godda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·27 | ... | ... | ... |
| | | | Pakaur ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·02 | ... | 0·18 | ... | 0·25 | ... | 0·54 | 0·20 |
| | | | Naya Dumka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... | 0·92 | ... |
| | | | Deoghur . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | 0·08 | ... | ... | ... | ... | 1·18 | 0·40 |
| | | | Jamtara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·04 | ... | 1·00 | ... | ... | ... | 0·05 | ... |
| | | | *Mohagama* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 0·22 | 0·43 | 0·70 |
| | | | Nanihat ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·29 | ... | ... | ... | ... | ... | ... |
| | | | Assononi .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | 0·10 | 1·00 | ... | ... | ... |
| | | | Katikund ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | ... | ... | 0·14 | ... | ... | 1·25 | 0·15 |
| | | | Madhupur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | ... | 0·85 | 0·19 | ... |
| | | | Sarwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... | 1·25 | 1·53 |
| | | | Sarath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·42 | ... | ... | ... | 1·20 | ... |
| | | | Poorya ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | 0·39 | ... | 1·28 | 0·50 | ... |
| | | | Bhagya ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·84 | ... |
| | | | Mohnapur ... | ... | ... | ... | 0·20 | ... | ... | 0·05 | ... | ... | ... | ... | 0·03 | 0·10 | ... | 1·04 | ... | 0·34 | ... | 0·62 | 0·42 |
| | | | *Hirampur* ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | 0·23 | ... | ... | 0·28 | ... |
| | | | Barnarwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | 0·26 | ... | 0·35 | 0·53 |
| | | | Sainbganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·47 | ... | 0·11 | 0·56 |
| | | | *Barso* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | 0·36 | 0·15 |
| | | | Amrapura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | 0·46 | 0·06 | ... | 0·62 |

## STATIONS IN BENGAL IN APRIL 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 1st to 30th April 1909. | Average rainfall from 1st to 30th April. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·05 | ... | 0·06 | ... | ... | ... | ... | 0·30 | ... | ... | 2 | 0·35 | 0·51 | 0·14 | 0·30 | 0·51 | 0·14 | Buxar ... | Shahabad ... | Patna-Gaya. | Bihar—concluded. |
| ... | 0·09 | ... | 0·20 | 0·19 | 0·18 | 0·03 | 0·16 | ... | ... | 5 | 0·41 | 1·54 | 0·10 | 0·69 | 1·54 | 0·10 | Dehri. | | | |
| ... | ... | 0·29 | 0·04 | ... | 0·76 | 0·17 | 0·75 | ... | ... | 4 | 0·42 | 2·01 | 0·13 | 0·76 | 2·01 | 0·13 | Bhabhua. | | | |
| 0·04 | 0·63 | ... | 0·19 | 0·49 | 0·12 | 0·02 | 0·20 | ... | ... | 6 | 0·58 | 1·90 | 0·15 | 0·63 | 1·90 | 0·15 | Sasaram. | | | |
| 0·54 | 0·66 | 0·02 | ... | ... | ... | ... | 0·28 | ... | ... | 3 | 0·55 | 1·66 | 0·47 | 0·66 | 1·66 | 0·47 | Arrah. | | | |
| ... | 0·16 | 0·21 | 0·30 | 0·09 | ... | 1·30 | ... | ... | ... | 4 | 0·47 | 2·00 | 0·33 | 1·30 | 2·06 | 0·33 | Mohanea. | | | |
| 0·26 | ... | ... | ... | ... | ... | 0·76 | ... | ... | ... | 4 | 0·56 | 1·85 | 0·14 | 0·76 | 1·85 | 0·14 | Ageaon. | | | |
| 0·32 | 0·63 | ... | ... | ... | ... | ... | 0·32 | ... | ... | 3 | 0·56 | 1·39 | 0·13 | 0·63 | 1·39 | 0·13 | Ramagar. | | | |
| 0·41 | 0·42 | 0·06 | ... | ... | ... | 0·28 | 0·12 | ... | ... | 5 | 0·33 | 1·39 | 0·13 | 0·42 | 1·39 | 0·13 | Koath. | | | |
| 0·38 | 0·23 | 0·24 | ... | ... | ... | 0·30 | 0·18 | ... | ... | 5 | 0·22 | 1·38 | 0·05 | 0·38 | 1·38 | 0·05 | Sikroul. | | | |
| ... | 0·05 | 0·61 | 0·04 | ... | ... | 0·43 | 0·42 | ... | ... | 3 | 0·33 | 1·55 | 0·05 | 0·61 | 1·55 | 0·05 | Bassowan. | | | |
| ... | 0·08 | 0·45 | ... | 0·06 | ... | ... | 0·14 | ... | ... | 2 | 0·33 | 0·72 | 0·23 | 0·45 | 0·72 | 0·23 | Monaharpur. | | | |
| ... | ... | ... | 0·32 | 0·11 | ... | 0·34 | 0·27 | ... | ... | 5 | ? | 1·34 | ? | 0·34 | 1·34 | ? | *Akberpur.* | | | |
| 0·26 | 0·22 | ... | ... | 0·26 | ... | ... | 0·48 | 0·05 | ... | 6 | 0·86 | 4·41 | 0·24 | 2·14 | 4·41 | 0·24 | Gopalganj ... | Saran ... | Tirhut. | |
| 0·29 | 0·08 | ... | 0·03 | ... | ... | 0·16 | 0·77 | ... | ... | 6 | 0·70 | 2·09 | 0·27 | 0·70 | 2·09 | 0·27 | Siwan. | | | |
| 0·56 | 1·33 | 0·04 | ... | ... | ... | ... | ... | ... | ... | 4 | 0·29 | 2·70 | 0·22 | 1·35 | 2·65 | 0·22 | Ekma. | | | |
| 0·49 | 1·82 | 0·18 | ... | 0·08 | ... | ... | 0·37 | ... | ... | 5 | 0·55 | 3·17 | 0·32 | 1·82 | 3·19 | 0·32 | Chapra. | | | |
| 0·09 | 0·34 | ... | ... | ... | 0·15 | ... | 0·02 | ... | ... | 4 | ? | 2·48 | ? | 0·88 | 2·48 | ? | *Hathwa.* | | | |
| 0·50 | ... | ... | ... | 0·10 | ... | 1·40 | ... | ... | 0·80 | 7 | 0·43 | 3·60 | 0·21 | 1·40 | 3·60 | 0·21 | Amnor. | | | |
| 0·16 | 0·21 | ... | ... | ... | ... | 0·40 | ... | ... | ... | 4 | 0·86 | 1·02 | 0·51 | 0·40 | 1·02 | 0·51 | Basantpur. | | | |
| ... | 0·85 | ... | ... | ... | ... | ... | 0·41 | ... | ... | 2 | ? | 1·34 | ? | 0·85 | 1·34 | ? | *Darauli.* | | | |
| | | | | 0·16 | ... | 0·06 | ... | 0·24 | ... | | ? | | ? | | | ? | *Bhoreh.* | | | |
| 1·00 | ... | ... | 0·78 | ... | ... | ... | 0·10 | 0·23 | 0·04 | 6 | ? | 5·37 | ? | 1·66 | 5·37 | ? | *Sripur.* | | | |
| ... | 0·43 | ... | 0·84 | 1·96 | 0·02 | ... | 0·17 | 1·44 | ... | 9 | 1·23 | 8·28 | 0·67 | 1·96 | 8·28 | 0·67 | Motihari ... | Champaran ... | | |
| 0·58 | 0·08 | ... | 0·11 | 0·38 | ... | ... | 0·76 | 0·58 | ... | 9 | 0·93 | 4·34 | 0·60 | 0·76 | 4·34 | 0·60 | Bettiah. | | | |
| ... | 0·31 | ... | ... | 0·02 | 0·16 | ... | 0·04 | 0·26 | ... | 7 | 1·47 | 1·96 | 0·61 | 0·46 | 1·96 | 0·61 | Bagaha. | | | |
| ... | 0·66 | ... | ... | ... | 0·07 | ... | 1·00 | 0·11 | ... | 5 | 0·73 | 4·59 | 0·50 | 1·65 | 4·59 | 0·50 | Burhurwa. | | | |
| 0·31 | 0·25 | ... | ... | 0·30 | ... | 0·02 | 0·50 | ... | ... | 7 | ? | 1·96 | ? | 0·50 | 1·96 | ? | *Ramnagar.* | | | |
| | | | | | | | | | | | ? | | ? | | | ? | *Narkotiaganj.* | | | |
| ... | 0·47 | ... | 0·05 | 0·55 | ... | ... | 0·24 | 0·74 | ... | 7 | ? | 3·43 | ? | 0·96 | 3·43 | ? | *Kissoriah.* | | | |
| 1·38 | ... | ... | ... | ... | 0·50 | ... | ... | 0·14 | ... | 7 | ? | 2·87 | ? | 1·38 | 2·87 | ? | *Dhanaha.* | | | |
| ... | ... | ... | 0·05 | ... | 0·97 | ... | ... | 0·70 | 0·05 | 6 | 1·69 | 4·10 | 1·10 | 1·14 | 4·10 | 1·10 | Sitamarhi ... | Muzaffarpur | | |
| ... | ... | ... | 0·09 | | | | | | | | 0·90 | | 0·47 | | | 0·47 | Muzaffarpur. | | | |
| 0·01 | 0·67 | ... | ... | 0·24 | ... | ... | 0·18 | ... | ... | 5 | 0·48 | 1·48 | 0·28 | 0·67 | 1·48 | 0·28 | Hajipur. | | | |
| ... | 0·45 | ... | ... | 0·63 | ... | ... | ... | 0·21 | ... | 5 | 0·47 | 1·88 | 0·42 | 0·63 | 1·88 | 0·42 | Paru. | | | |
| ... | 0·04 | ... | 0·04 | 0·32 | ... | ... | 0·14 | 0·12 | ... | 4 | 0·54 | 1·75 | 0·38 | 0·95 | 1·75 | 0·38 | Mahua. | | | |
| ... | ... | 0·40 | 0·35 | ... | 0·02 | ... | 0·88 | 1·30 | ... | 6 | 0·87 | 3·[illegible] | 0·41 | 1·30 | 3·13 | 0·41 | Shuhar. | | | |
| ... | ... | ... | 0·07 | ... | 0·10 | ... | ... | 2·00 | 0·20 | 8 | 1·40 | 4·[illegible] | 0·76 | 2·00 | 3·12 | 0·76 | Pupri. | | | |
| ... | 0·02 | ... | 0·01 | 0·20 | ... | ... | 1·28 | 1·69 | ... | 5 | 0·87 | 5·[illegible]4 | 0·41 | 2·25 | 5·74 | 0·41 | Tajpur (Samastipur). | Darbhanga ... | | |
| ... | ... | ... | 0·03 | 0·03 | 2·22 | ... | 0·02 | 0·24 | 0·34 | 5 | 1·47 | 2·[illegible]8 | 0·69 | 2·22 | 3·88 | 0·69 | Darbhanga. | | | |
| ... | ... | ... | 0·02 | ... | ... | ... | 0·80 | 1·11 | 0·10 | 7 | 1·66 | 3·31 | 0·96 | 1·11 | 3·31 | 0·90 | Madhubani. | | | |
| ... | ... | 0·06 | ... | | | | | | | | 1·20 | | 0·99 | | | 0·99 | Bahera. | | | |
| ... | 0·15 | ... | 0·09 | ... | ... | ... | 0·08 | 0·09 | 0·02 | 5 | 0·87 | 2·04 | 0·43 | 0·68 | 2·04 | 0·43 | Roserha. | | | |
| ... | ... | ... | 0·12 | ... | ... | 4·20 | 0·80 | ... | ... | 8 | ? | 9·58 | ? | 4·20 | 9·58 | ? | *Khutonia.* | | | |
| ... | ... | ... | 0·58 | 0·42 | ... | ... | 3·74 | 0·64 | ... | 11 | ? | 3·74 | ? | 3·74 | 3·74 | ? | *Ladania.* | | | |
| ... | 0·01 | ... | 0·17 | ... | 0·06 | ... | ... | 1·04 | ... | 6 | ? | 4·59 | ? | 1·68 | 4·59 | ? | *Laukaha.* | | | |
| ... | ... | 0·19 | 0·04 | ... | ... | 0·86 | 1·43 | 0·12 | ... | 11 | ? | 7·39 | ? | 1·56 | 7·39 | ? | *Khajouli.* | | | |
| ... | ... | ... | 0·25 | ... | ... | ... | ... | 1·85 | 0·13 | 8 | ? | 3·77 | ? | 1·85 | 3·77 | ? | *Banipatti.* | | | |
| ... | ... | ... | 1·39 | ... | ... | ... | ... | 0·30 | 0·03 | 6 | ? | 3·[illegible] | ? | 1·39 | 3·73 | ? | *Madhupur.* | | | |
| ... | 0·08 | ... | ... | 2·00 | ... | ... | 0·60 | 0·08 | ... | 4 | 1·07 | 3·48 | 0·55 | 2·00 | 3·48 | 0·55 | Begusarai | Monghyr ... | Bhagalpur. | |
| ... | 1·20 | ... | ... | 1·70 | ... | ... | 0·54 | ... | ... | 5 | 1·06 | 4·27 | 0·50 | 1·50 | 4·27 | 0·50 | Monghyr. | | | |
| 0·07 | 0·15 | ... | ... | 0·12 | 0·05 | 0·15 | 1·83 | ... | ... | 5 | 0·81 | 2·55 | 0·45 | 1·83 | 2·55 | 0·45 | Jamui. | | | |
| ... | 0·29 | ... | 0·04 | 1·21 | ... | ... | 0·34 | ... | ... | 5 | 0·73 | 2·45 | 0·[illegible] | 1·21 | 2·45 | 0·50 | Gogri. | | | |
| ... | 0·19 | ... | ... | 1·50 | ... | ... | 0·80 | ... | ... | 7 | 1·50 | 3·05 | 0·67 | 1·50 | 3·05 | 0·67 | Jamalpur. | | | |
| 0·24 | ... | ... | ... | 1·05 | ... | 1·20 | ... | ... | ... | 3 | 0·20 | 2·54 | 0·16 | 1·20 | 2·54 | 0·16 | Shaikhpura. | | | |
| ... | 0·37 | ... | 0·05 | 0·03 | 0·05 | 0·71 | 0·47 | ... | ... | 7 | 1·50 | 3·52 | 0·70 | 1·17 | 3·52 | 0·70 | Chakai Bamda | | | |
| ... | ... | ... | ... | 0·87 | ... | ... | 0·61 | 0·06 | ... | 3 | 1·00 | 1·82 | 0·59 | 0·87 | 1·82 | 0·50 | Chupreon. | | | |
| ... | 0·29 | ... | ... | ... | ... | ... | 0·61 | ... | ... | 3 | 1·07 | 1·25 | 0·83 | 0·61 | 1·25 | 0·83 | Gidhour. | | | |
| ... | 0·09 | ... | ... | ... | ... | ... | 0·50 | ... | ... | 3 | 1·83 | 2·30 | 0·45 | 1·54 | 2·30 | 0·43 | Kharagpur. | | | |
| ... | ... | ... | 0·15 | ... | ... | 0·05 | 0·05 | 0·29 | ... | 4 | 1·57 | 0·85 | 1·07 | 0·29 | 0·85 | 1·07 | Madhipura ... | Bhagalpur .. | | |
| ... | ... | ... | ... | 0·44 | ... | ... | 0·16 | 0·56 | 0·35 | 6 | 1·00 | 2·40 | 0·91 | 0·64 | 2·40 | 0·91 | Bangaon (Syimbad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | ... | 3 | 1·48 | 2·41 | 0·84 | 1·04 | 2·41 | 0·84 | Supaul | | | |
| ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | 6 | 2·40 | 2·90 | 1·38 | 1·40 | 2·90 | 1·38 | Pratapganj. | | | |
| ... | ... | ... | ... | 0·34 | ... | 0·04 | 0·13 | ... | ... | 5 | 1·45 | 1·57 | 0·88 | 0·73 | 1·57 | 0·88 | Bhagalpur. | | | |
| ... | 0·10 | ... | ... | ... | ... | ... | 0·30 | ... | ... | 4 | 1·45 | 5·05 | 0·72 | 3·80 | 5·05 | 0·72 | Banka. | | | |
| ... | ... | ... | ... | 0·18 | ... | 1·05 | 0·22 | ... | ... | 5 | 1·27 | 2·44 | 0·76 | 1·05 | 2·50 | 0·76 | Colgong. | | | |
| ... | ... | ... | ... | ... | ... | 0·18 | 0·07 | ... | ... | 3 | 1·50 | 1·63 | 0·35 | 0·35 | 1·63 | 0·65 | Banail. | | | |
| ... | ... | ... | ... | ... | 0·04 | 2·45 | 1·00 | 0·27 | 0·02 | 10 | 5·65 | 8·32 | 4·05 | 2·45 | 8·32 | 4·05 | Siliguri .. | Darjeeling ... | | |
| 0·38 | ... | 0·05 | 0·79 | 0·24 | 0·05 | 0·16 | 1·16 | 0·37 | ... | 16 | 5·26 | 6·30 | 4·08 | 1·16 | 6·30 | 4·08 | Darjeeling. | | | |
| ... | ... | ... | ... | ... | 0·01 | 0·30 | 0·70 | 0·47 | ... | 11 | 6·73 | 4·34 | 3·44 | 0·70 | 4·34 | 3·44 | Kalimpong. | | | |
| ... | ... | 0·58 | 0·63 | 0·20 | 0·13 | 0·15 | 1·38 | 0·63 | 0·06 | 16 | 8·75 | 8·82 | 4·44 | 1·38 | 8·82 | 4·44 | Mongpoo. | | | |
| ... | ... | 0·08 | 0·41 | 0·03 | 0·23 | 1·05 | 1·72 | 1·21 | 0·02 | 14 | 7·82 | 9·27 | 4·16 | 1·72 | 9·27 | 4·16 | Kurseong. | | | |
| 0·22 | 0·04 | ... | 0·46 | 0·01 | 0·03 | 0·43 | 1·06 | 0·88 | 0·04 | 15 | 8·71 | 6·80 | 5·40 | 1·06 | 6·80 | 5·40 | Pedong. | | | |
| ... | ... | ... | ... | 0·20 | 2·93 | ... | ... | ... | ... | 6 | 2·02 | 5·41 | 1·83 | 2·93 | 5·41 | 1·83 | Kishanganj | Purnea ... | | |
| ... | ... | ... | ... | ... | ... | 0·62 | ... | 0·66 | ... | 9 | 2·17 | 5·54 | 1·48 | 1·10 | 5·54 | 1·48 | Araria. | | | |
| ... | ... | ... | ... | 0·29 | ... | 0·08 | ... | 0·37 | 0·17 | 6 | 1·93 | 3·02 | 1·36 | 1·78 | 3·02 | 1·36 | Purnea. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·31 | 0·02 | ... | 4 | 1·04 | 1·13 | 1·20 | 0·60 | 1·13 | 1·25 | Gondwara (*Korah*). | | | |
| ... | ... | 0·39 | 0·56 | ... | ... | ... | 0·92 | ... | ... | 7 | 1·56 | 4·43 | 1·46 | 1·30 | 4·43 | 1·46 | Barsoe. | | | |
| 0·17 | ... | ... | ... | 1·02 | 1·02 | 0·12 | 1·23 | 0·08 | 0·10 | 12 | 2·32 | 8·36 | 1·51 | 1·92 | 8·36 | 1·51 | Forbesganj. | | | |
| | | | | | | | | | | | 3·07 | | 2·06 | | | 2·06 | Kaliaganj. | | | |
| 0·83 | ... | ... | ... | 0·16 | ... | ... | 0·27 | ... | ... | 8 | 1·57 | 3·14 | 1·11 | 0·90 | 3·14 | 1·11 | Rajmahal ... | Sonthal Parganas. | | |
| ... | ... | ... | ... | ... | 0·05 | 0·59 | 0·57 | ... | ... | 3 | 1·32 | 1·48 | 0·55 | 0·59 | 1·48 | 0·55 | Godda. | | | |
| ... | ... | ... | ... | 0·19 | 0·05 | 0·04 | 0·25 | ... | ... | 7 | 1·63 | 2·05 | 0·87 | 0·54 | 2·05 | 0·87 | Pakaur. | | | |
| ... | ... | ... | ... | 1·44 | ... | 0·27 | ... | ... | ... | 4 | 2·38 | 2·78 | 1·02 | 1·44 | 2·78 | 1·02 | Naya Dumka. | | | |
| 0·07 | ... | ... | 0·37 | 0·14 | 0·78 | 0·47 | 0·08 | ... | ... | 6 | 1·87 | 3·59 | 0·98 | 1·18 | 3·59 | 0·98 | Deoghur. | | | |
| ... | 0·22 | ... | 0·13 | 0·12 | 0·02 | 0·22 | ... | ... | ... | 5 | 1·77 | 1·83 | 0·69 | 1·00 | 1·83 | 0·69 | Jamtara | | | |
| ... | ... | ... | ... | | | | | | | | ? | | ? | | | ? | *Mohagama.* | | | |
| | | | | ... | | 0·86 | 0·02 | ... | ... | | 0·79 | | 0·43 | | | 0·43 | Nanihat. | | | |
| ... | ... | ... | 0·20 | 0·05 | ... | ... | ... | ... | ... | 4 | 2·43 | 1·45 | 0·94 | 1·00 | 1·45 | 0·94 | Assenboni. | | | |
| ... | ... | ... | ... | 1·31 | ... | ... | ... | ... | ... | 5 | 3·57 | 3·16 | 1·09 | 1·31 | 3·16 | 1·09 | Katikund. | | | |
| ... | ... | ... | 0·80 | 0·80 | 1·40 | ... | ... | ... | ... | 6 | 1·71 | 4·24 | 0·80 | 1·40 | 4·24 | 0·80 | Madhupur. | | | |
| ... | 0·11 | ... | ... | 0·09 | 0·01 | 0·46 | 0·04 | ... | ... | 4 | 1·71 | 3·50 | 0·78 | 1·53 | 3·50 | 0·78 | Surwan. | | | |
| ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | 3 | 2·57 | 1·79 | 0·88 | 1·20 | 1·79 | 0·88 | Sareth. | | | |
| 1·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 1·24 | 3·79 | 0·35 | 1·50 | 3·79 | 0·35 | Pooryu. | | | |
| ... | ... | ... | ... | 0·84 | ... | 1·85 | ... | ... | ... | 3 | 0·86 | 4·53 | 0·99 | 1·85 | 4·53 | 0·99 | Bhagya. | | | |
| ... | 0·02 | ... | ... | 0·39 | 0·09 | ... | 0·88 | ... | ... | 8 | 1·86 | 5·08 | 1·09 | 1·94 | 5·08 | 1·09 | Mohespur. | | | |
| ... | ... | ... | ... | 0·13 | 0·21 | ... | ... | ... | ... | 6 | ? | 1·45 | ? | 0·60 | 1·45 | ? | *Hiranpur.* | | | |
| ... | ... | ... | ... | ... | 0·28 | ... | 2·63 | ... | ... | 6 | 1·87 | 4·25 | 0·76 | 2·63 | 4·25 | 0·76 | Barharwa | | | |
| ... | ... | ... | ... | ... | 0·05 | ... | 0·30 | ... | ... | 4 | 1·71 | 1·49 | 0·69 | 0·56 | 1·49 | 0·69 | Sahibganj. | | | |
| ... | ... | ... | ... | ... | 0·15 | ... | 0·88 | ... | ... | 5 | ? | 1·64 | ? | 0·88 | 1·64 | ? | *Barto.* | | | |
| 0·16 | ... | ... | ... | ... | 0·27 | ... | 0·06 | ... | ... | 5 | ? | 1·83 | ? | 0·62 | 1·83 | ? | Amrapura. | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa. | Orissa. | Sambalpur ... | Sambalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·37 | ... | 0·16 | 1·78 |
| | | | Bargarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | 0·34 | ... | ... | 0·15 | 0·29 | ... | 0·28 | 0·88 |
| | | | *Padampur (Barasamber).* | ... | ... | ... | ... | ... | ... | ... | 0·70 | ... | 0·80 | ... | ... | 0·42 | 0·20 | 0·75 | 0·34 | 1·40 | 0·70 | ... | 0·86 |
| | | Uria Feudatory States. | Bhawanipatna | ... | ... | ... | ... | ... | ... | ... | ... | 1·63 | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | 1·10 | 0·72 |
| | | | Bolangir ... | ... | ... | ... | ... | ... | 0·37 | ... | ... | 0·16 | ... | ... | 0·03 | ... | ... | 0·15 | 0·20 | 1·03 | 0·93 | ... | 0·50 |
| | | | Sonepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | ... | ... | 0·70 | 0·90 | 0·05 | 0·22 | ... | 0.05 |
| | | | Kampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | 0·03 | 0·40 | ... | ... | 1·80 |
| | | | Deoghur ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·85 |
| | | | Gangpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | 0·44 |
| | | | Bonaigurh .. | ... | ... | ... | 0·44 | ... | ... | ... | ... | ... | 0·18 | ... | ... | ... | ... | ... | ... | 0·01 | 0·18 | ... | 0·97 |
| | | Cuttack | Jagatsingpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·47 | ... | ... | 1·04 | ... |
| | | | Banki .. | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 | ... | 0·31 | 0·61 | ... | 0·46 |
| | | | Cuttack ... | ... | ... | ... | ... | ... | 0·13 | ... | 0·20 | ... | 0·06 | ... | ... | ... | ... | 0·10 | ... | 0·26 | ... | ... | 0·72 |
| | | | False Point ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | ... | 0·98 | ... | ... | 1·07 |
| | | | Kendrapara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... | ... | ... | ... | 0·27 | ... | ... | 3·28 |
| | | | Jajpur . | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | 0·07 | 0·10 | 0·03 | 0·02 | 0·01 | 0·30 | ... | ... | 1·59 |
| | | | Dharmsala ... | ... | ... | ... | ... | ... | ... | 0·70 | ... | ... | ... | 0·59 | 0·27 | 0·60 | 0·10 | ... | 0·10 | ... | ... | 1·85 | ... |
| | | | Salepur .. | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | 0·60 | 1·54 | 0·09 | ... | ... | 1·20 | ... | ... | 0·99 | ... |
| | | Balasore | Akhyapada ... | 0·03 | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | ... | ... | 0·63 | 0·25 | 0·41 | ... | ... | ... | 1·13 |
| | | | Chandbali | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | 0·22 | ... | ... | ... | 0·18 | ... | ... | 1·16 |
| | | | Bhadrak | ... | 0·82 | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | 0·07 | 0·13 | 0·11 | ... | 0·66 | ... | ... | 0·58 |
| | | | Soro | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | ... | 1·85 | 2·45 | ... | 0·25 | ... | ... | 0·32 |
| | | | Balasore .. | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·49 | 0·39 | 0·09 | 1·79 | 0·72 | ... | 0·09 | ... | ... | ... | 0·18 |
| | | | Jellasore .. | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | ... | 0·72 | 0·48 | ... | ... | ... | 0·11 | 1·42 |
| | | | *Balsapal* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·65 | 0·02 | 0·25 | 0·09 | 0·45 | 0·04 | ... | 0·12 | 3·00 |
| | | | *Eram* (Basudebpur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·52 | ... | ... | 0·60 | 1·60 | ... | 0·34 | ... | ... | ... | 0·32 |
| | | | *Turigaria* . | ... | ... | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·80 | 1·00 | ... | 0·75 | ... | ... | 0·35 |
| | | | *Banuth* ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·30 | ... | 0·05 | ... | ... | 0·36 |
| | | Angul .. | Angul .. | ... | ... | ... | ... | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·48 | ... | 0·08 | 0·10 | ... | 1·40 |
| | | | Bissipara . | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | 0·02 | ... | ... | 0·20 | 0·08 | 0·31 | 0·34 | 0·01 | 0·45 |
| | | | *Chhendipada* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·02 | ... | 0·09 | 0·20 | ... | ... | ... |
| | | | *Tikerpara* .. | ... | ... | 0·07 | ... | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | 0·15 | 0·40 | 0·15 | ... | 0·81 | ... |
| | | | *Balandapara* | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | 0·48 | 0·21 | 0·96 | 0·02 | 0·07 | 0·63 |
| | | Orissa Tributary Mahals | Baramba .. | ... | ... | .. | ... | ... | 0·05 | ... | ... | 0·11 | 0·05 | ... | 0·06 | ... | ... | 1·20 | ... | 0·33 | 0·76 | ... | 0·17 |
| | | | Kunjabongarh | ... | ... | ... | 0·12 | ... | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | 0·41 | 0·20 | ... | 0·64 | ... | 1·22 |
| | | | Dhenkanal .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·97 | 0·02 | ... | ... |
| | | | *Baisinga* | ... | .. | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | 0·35 | 0·45 | ... | ... | ... | ... | 1·75 |
| | | | Keonjhar ... | ... | ... | 1·16 | 0·20 | ... | ... | ... | ... | 0·06 | ... | ... | 0·64 | ... | 0·10 | 0·38 | 0·38 | ... | ... | 0·52 | ... |
| | | | Anandapur ... | ... | ... | ... | ... | 0·05 | 0·25 | ... | ... | 0·48 | 0·63 | 0·07 | ... | 2·20 | 0·76 | 0·07 | ... | 0·13 | ... | ... | 0·34 |
| | | | Baripada .. | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | 0·12 | 0·25 | ... | ... | 0·12 | 0·03 | ... | 0·26 | ... | 0·49 | ... |
| | | | *Karanjia* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·10 | 0·03 | ... | ... | 0·23 | ... | 0·73 | 0·74 | ... | 0·80 |
| | | | Narsingpur ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | 0·68 | 6·70 |
| | | | Nayagarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·50 | 0·02 | 0·30 | ... | ... | 0·55 | ... |
| | | | Pal Lahera .. | ... | ... | ... | ... | 0·33 | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | 0·05 | 0·05 | ... | 2·58 |
| | | | Ranpur .. | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | 0·20 | ... | 0·41 | ... | ... | 0·61 |
| | | | Talcher ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | 0·06 | 0·15 | ... |
| | | | *Athmalik* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | 0·06 | 0·18 | 1·00 | 1·00 | ... |
| | | | *Hindol* ... | ... | ... | ... | ... | ... | ... | 1·50 | ... | ... | ... | ... | ... | ... | 0·67 | 0·03 | 0·28 | 0·12 | ... | 0·57 | ... |
| | | | *Boad* . | ... | ... | ... | 0·35 | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·16 | 0·33 | 0·15 | ... | 0·58 | ... |
| | | | *Nilgiri* . | ... | 0·01 | ... | ... | ... | ... | ... | ... | 0·02 | 0·22 | ... | ... | 0·02 | 0·94 | 0·81 | 0·01 | 0·06 | ... | ... | 0·15 |
| | | | *Athgurh* ... | ... | ... | ... | ... | ... | 0·21 | ... | 0·02 | ... | ... | ... | ... | ... | ... | 0·08 | ... | 0·64 | 0·05 | ... | 0·40 |
| | | Puri ... | Puri . | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | 0·01 | ... | ... | 0·83 | 0·42 | ... | 1·34 |
| | | | Khurda . | ... | ... | ... | ... | ... | 0·02 | ... | 0·47 | ... | 0·07 | ... | 0·11 | ... | ... | 0·19 | ... | 0·22 | 0·28 | ... | 0·15 |
| | | | Bhanpur .. | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | 0·06 | 0·40 | 0·02 | 0·01 | 0·08 | 0·64 | 0·61 | 0·01 | ... | 0·50 |
| | | | Gop ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | 1·21 | 0·09 | ... | 0·78 |
| | | | Satpara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | 0·02 | 0·82 | 0·82 | | | |
| | | | Sunakhalla | ... | ... | ... | 0·22 | ... | ... | 0·17 | ... | ... | ... | 0·02 | ... | ... | 0·13 | 0·23 | 0·28 | 0·02 | ... | ... | 0·26 |
| | | | *Kanas* . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·30 | 0·27 | ... | 1·18 |
| | | | Tanghi ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | ... | 0·05 | 0·10 | ... | 0·40 | ... | ... | 0·15 |
| | | | Jonkia ... | | | | | | | | | | | | | | | | | | | | |
| | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... |
| | | | Hazaribagh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | 0·02 | 0·33 | 0·08 | 0·02 |
| | | | Barhi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | 0·05 |
| | | | Chatra .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagdiha ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | ... | ... | ... | ... | 0·11 | ... | 0·13 |
| | | | Ramgar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | ... | 0·24 | ... | ... | ... |
| | | | *Koderma* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·04 | 0·09 |
| | | | *Bagodar* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Ranchi ... | Lohardaga ... | ... | ... | .. | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·60 | 0·50 | ... | ... | ... | ... | 0·17 |
| | | | Ranchi .. | ... | ... | ... | 0·09 | ... | ... | ... | ... | 0·02 | ... | ... | ... | 0·01 | ... | 0·05 | ... | 0·03 | 0·07 | ... | 0·14 |
| | | | Silli ... | ... | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·48 | 0·16 | 0·02 | ... | 0·13 | 0·05 | ... | 1·55 |
| | | | Palkot . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 2·25 | 0·50 | ... | | | |
| | | | *Bano* ... | ... | ... | ... | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·37 | ... | 0·60 | ... | ... | ... | ... |
| | | | Taimar ... | | | 1 | | | | | | | | | | | | | | | | | |
| | | | *Kurdeg* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... | 0·35 | 0·30 | ... | ... | ... |
| | | | *Gumla* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | 0·07 | ... | 0·04 | 0·19 | 0·45 | ... |
| | | | Chainpur . | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | ... | 0·33 | ... | 0·08 | 0·14 | 0·40 | ... |
| | | | Khunti ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | 0·22 | ... | 0·21 | 0·04 | ... | 0·26 |
| | | Palamau .. | Palamau (*Daltonganj*). | | | | | | | | | | | | | | | | | | | | |
| | | | Balumath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Husainabad | | | | | | | | | | | | | | | | | | | | |
| | | | Garhwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | 0·15 | ... | ... | ... |
| | | | *Mahuadanr* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | 1·00 |
| | | | *Panki* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latehar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nagarutari* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ranka* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... |
| | | | *Chattarpur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhaonathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Patan* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Monatu* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Lesliganj* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kerh* ... | ... | ... | ... | ... | ... | 1·00 | ... | 0·10 | ... | ... | ... | ... | ... | 0·60 | ... | ... | ... | 0·40 | ... | ... |
| | | | *Garu* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Manbhum | Purulia .. | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 1·12 | 0·02 | ... | ... | 0·54 | ... | 0·05 | 0·10 |
| | | | Gobindpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·23 | 0·11 | ... | 0·09 | ... | 0·07 | ... |
| | | | Raghunathpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 | ... | 0·39 | ... | ... | ... | ... | ... |
| | | | Barahabhum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·10 | ... | ... | ... | 0·50 | 0·32 |
| | | | Jhalda ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | 0·01 | 0·05 | ... | ... | 0·15 | ... | ... | 0·92 |
| | | | Chas ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | ... | ... | ... | ... | ... |
| | | | Pandra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | 0·18 | 0·75 | ... | 0·06 | ... | ... | ... |
| | | | *Manbazar* | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | 0·14 | 0·05 | 1·30 | ... | ... | 0·85 | 0·45 |
| | | | Kotlapal .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·03 | ... | 0·04 | ... | 0·05 | ... | ... | 0·89 | 0·45 |
| | | Singhbhum ... | Chaibassa .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | 0·76 |
| | | | Chakradharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·08 | ... | 0·05 | ... | 0·12 | 1·56 | ... |
| | | | Ghatsila ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·78 | 0·52 | ... | 0·33 | ... | ... | 0·43 |
| | | | Baharagura .. | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | 0·53 | ... | 0·04 | 0·15 | 0·28 | 0·14 | ... | 0·83 | ... |
| | | | Gailkura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | 0·05 | ... | ... | ... |
| | | | Kalikapur ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | ... | ... | 0·90 | ... | 0·05 | ... | 0·51 | ... | ... | 1·13 |
| | | | Monahrapur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | 0·05 | ... | ... | ... | ... |
| | | | *Katbari* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·51 | 0·03 | 0·83 | ... | 0·78 | 0·18 |
| | | | *Seraikilla* ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | 0·36 | 0·25 | ... | 0·02 | ... | 0·27 | 1·27 |
| | | | *Kharsawan* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·39 | ... | 0·73 | 0·42 | ... | 0·06 | 0·03 | 0·67 | ... |
| | | | *Jaintigarh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·27 | 0·14 | ... | 0·27 | ... | 0·33 | 2·83 |
| | | | *Jaganathpur* | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | 0·03 | 0·09 | ... | 0·34 | 0·30 |

## STATIONS IN BENGAL IN APRIL 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 1st to 30th April 1909. | Average rainfall from 1st to 30th April. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | 0·06 | 0·13 | ... | 0·07 | ... | ... | 0·92 | ... | ... | 5 | 1·50 | 3·52 | 0·57 | 1·78 | 3·52 | 0·57 | Sambalpur ... | Sambalpur ... | Orissa. | Orissa. |
| ... | 0·03 | 0·60 | ... | 0·13 | ... | ... | 0·40 | ... | ... | 9 | 1·00 | 3·38 | 0·39 | 0·86 | 3·38 | 0·39 | Bargarh. | | | |
| ... | 1·61 | ... | 0·31 | 0·61 | ... | ... | 0·33 | ... | ... | 13 | ? | 9·06 | ? | 1·64 | 9·06 | ? | *Padampur (Barasamber)* | | | |
| 0·57 | 0·68 | ... | 1·75 | 2·83 | ... | ... | ... | ... | ... | 8 | ? | 9·48 | ? | 2·83 | 9·48 | ? | Bhawanipatna | Uria Feudatory States. | | |
| ... | 0·17 | ... | 0·53 | 0·04 | 0·15 | ... | 0·30 | ... | ... | 11 | ? | 4·56 | ? | 1·03 | 4·56 | ? | Bolangir. | | | |
| ... | 0·71 | ... | 0·63 | ... | ... | ... | 0·67 | ... | ... | 7 | ? | 4·53 | ? | 0·90 | 4·53 | ? | Sonepur. | | | |
| ... | 0·02 | 0·92 | 0·01 | 0·41 | ... | ... | 0·95 | ... | ... | 6 | ? | 4·73 | ? | 1·80 | 4·73 | ? | Rampur. | | | |
| ... | ... | ... | ... | 0·58 | ... | ... | ... | ... | ... | 3 | ? | 2·53 | ? | 1·85 | 2·53 | ? | Deoghur. | | | |
| ... | 1·25 | 0·10 | ... | 0·12 | ... | 0·28 | ... | ... | ... | 6 | 1·11 | 2·30 | 0·87 | 1·25 | 2·30 | 0·87 | Gangpur. | | | |
| ... | ... | 1·08 | ... | 1·29 | 0·02 | 0·12 | 0·09 | ... | ... | 8 | ? | 4·98 | ? | 1·29 | 4·98 | ? | Bonaigurh. | | | |
| 0·05 | ... | 0·95 | ... | ... | 0·18 | ... | 0·45 | ... | 0·10 | 5 | 1·10 | 2·34 | 0·73 | 1·04 | 2·34 | 0·73 | Jagatsingpur | Cuttack ... | | |
| ... | 0·79 | ... | 0·58 | 0·05 | ... | ... | 0·29 | ... | ... | 7 | 1·72 | 3.68 | 0·76 | 0·79 | 3·68 | 0·76 | Banki. | | | |
| ... | 0·15 | 1·45 | 0·46 | ... | ... | ... | 0·30 | ... | ... | 9 | 1·97 | 3·83 | 1·38 | 1·45 | 3·83 | 1·38 | Cuttack. | | | |
| ... | ... | 0·63 | ... | 0·32 | ... | ... | 0·30 | ... | ... | 5 | 1·84 | 3·28 | 1·73 | 1·07 | 3·28 | 1·73 | False Point. | | | |
| ... | 0·55 | 0·03 | ... | 0·13 | ... | ... | ... | ... | ... | 5 | 1·80 | 4·59 | 1·27 | 3·28 | 4·59 | 1·27 | Kendrapara | | | |
| ... | 1·03 | 0·21 | 0·01 | ... | ... | ... | 1·48 | 0·23 | ... | 7 | 2·70 | 5·09 | 1·60 | 1·59 | 5·09 | 1·60 | Jajpur. | | | |
| 1·75 | 0·26 | 0·30 | ... | ... | ... | 0·44 | ... | ... | ... | 11 | 2·47 | 6·96 | 1·47 | 1·85 | 6·96 | 1·47 | Dharmsala. | | | |
| 0·04 | ... | 0·16 | 0·05 | ... | 0·34 | 0·76 | ... | ... | 0·36 | 8 | 1·67 | 5·91 | 1·20 | 1·34 | 5·91 | 1·20 | Salepur. | | | |
| ... | 0·24 | 1·40 | ... | ... | 0·031 | 0·05 | 2·07 | ... | ... | 6 | 2·31 | 5·70 | 1·41 | 2·07 | 5·70 | 1·41 | Akhyapada ... | Balasore ... | | |
| ... | 0·06 | 0·17 | ... | ... | ... | ... | 0·45 | ... | ... | 6 | 2·04 | 2·34 | 1·13 | 1·16 | 2·34 | 1·13 | Chandbali. | | | |
| ... | 1·18 | 0·39 | 0·06 | ... | ... | ... | 1·99 | ... | 0·52 | 9 | 3·60 | 6·39 | 2·16 | 1·99 | 6·39 | 2·16 | Bhadrak. | | | |
| ... | 0·80 | 0·25 | 0·50 | ... | ... | 0·50 | 2·15 | ... | ... | 10 | 3·46 | 9·37 | 2·04 | 1·85 | 9·37 | 2·04 | Soro. | | | |
| 0·09 | 1·05 | 2·66 | 2·09 | ... | ... | 0·25 | ... | ... | ... | 10 | 3·58 | 9·50 | 2·66 | 2·09 | 9·50 | 2·66 | Balasore. | | | |
| 0·03 | 0·55 | 0·71 | 0·35 | ... | 1·42 | ... | 0·05 | ... | ... | 9 | 2·56 | 6·15 | 1·36 | 1·45 | 6·25 | 1·36 | Jellasore. | | | |
| 0·26 | 0·38 | 1·62 | 0·06 | ... | 0·53 | ... | 0·03 | ... | 0·03 | 9 | ? | 7·53 | ? | 3·00 | 7·53 | ? | *Baliapal.* | | | |
| ... | 4·63 | 0·22 | 0·60 | ... | ... | ... | 1·20 | ... | ... | 9 | ? | 10·03 | ? | 4·63 | 10·03 | ? | *Eram* (Basudeopur). | | | |
| 8·40 | ... | ... | 1·75 | 0·10 | 0·10 | 0·38 | ... | ... | ... | 10 | ? | 9·53 | ? | 3·40 | 9·53 | ? | *Turagaria.* | | | |
| ... | 1·10 | 0·15 | ... | ... | ... | ... | 0·90 | ... | ... | 6 | ? | 2·99 | ? | 1·10 | 2·99 | ? | *Banath.* | | | |
| ... | 0·93 | 0·60 | 1·00 | 0·10 | ... | ... | 0·91 | ... | ... | 8 | 2·30 | 5·15 | 1·18 | 1·40 | 5·15 | 1·18 | Angul ... | Angul ... | | |
| ... | 0·12 | 0·01 | 1·86 | 1·46 | ... | ... | 0·45 | ... | ... | 9 | 1·95 | 5·41 | 1·53 | 1·86 | 5·41 | 1·53 | Bisupara. | | | |
| 0·57 | 0·64 | 0·14 | 0·81 | ... | ... | 1·30 | ... | ... | ... | 7 | ? | 4·77 | ? | 1·30 | 4·77 | ? | *Chhendipada.* | | | |
| 0·36 | ... | 0·32 | 0·62 | ... | ... | 0·80 | ... | ... | ... | 9 | ? | 4·10 | ? | 1·80 | 4·10 | ? | *Tikerpara.* | | | |
| ... | 0·13 | 0·30 | 1·42 | 0·23 | ... | ... | 0·11 | ... | ... | 10 | ? | 5·19 | ? | 1·42 | 5·19 | ? | *Balandapara.* | | | |
| ... | 1·37 | ... | 1·32 | ... | ... | ... | 0·59 | ... | ... | 8 | 2·42 | 6·10 | 1·08 | 1·37 | 6·10 | 1·08 | Baramba ... | Orissa Tributary Mahals. | | |
| ... | 0·41 | 0·34 | 0·12 | 0·81 | ... | ... | 1·82 | ... | ... | 11 | 1·89 | 6·26 | 1·45 | 1·82 | 6·26 | 1·45 | Kunjabongarh. | | | |
| ... | 0·10 | ... | 0·08 | 0·09 | 1·50 | 0·87 | ... | ... | ... | 4 | 1·55 | 3·63 | 0·63 | 1·50 | 3·63 | 0·63 | Dhenkanal. | | | |
| 1·13 | ... | ... | 0·16 | ... | ... | ... | 1·20 | ... | ... | 8 | ? | 5·69 | ? | 1·75 | 5·69 | ? | *Baisinga.* | | | |
| 1·00 | 00·2 | ... | 0·17 | ... | ... | 0·82 | ... | ... | ... | 10 | 2·06 | 5·98 | 1·18 | 1·17 | 5·98 | 1·18 | Keonjhar. | | | |
| 0·42 | 1·18 | ... | ... | ... | ... | 1·47 | ... | ... | 0·27 | 11 | 4·35 | 8·02 | 2·59 | 2·20 | 8·02 | 2·59 | Anandapur. | | | |
| ... | 3·03 | 0·12 | 0·67 | 0·51 | 0·08 | ... | 0·52 | ... | ... | 10 | 3·14 | 7·23 | 1·57 | 3·03 | 7·23 | 1·57 | Baripada. | | | |
| ... | 1·25 | 1·04 | ... | .. | 0·28 | 0·62 | ... | 0·95 | ... | 11 | ? | 7·69 | ? | 1·25 | 7·69 | ? | *Karanjia.* | | | |
| 0·16 | 0·48 | ... | 0·03 | 0·45 | 0·08 | 1·51 | ... | ... | ... | 8 | 2·36 | | 0·61 | | | 0·61 | Narsingpur. | | | |
| 0·33 | ... | 0·65 | 0·22 | 0·05 | ... | 0·65 | ... | ... | ... | 8 | 3·00 | | 1·67 | | | 1·67 | Nayagarh. | | | |
| ... | 0·78 | 0·62 | ... | 1·80 | | | 1·30 | ... | ... | 7 | 3·25 | 8·11 | 1·63 | 2·58 | 8·11 | 1·63 | Pal Lahera | | | |
| ... | 0·22 | 0·33 | 0·28 | 0·22 | 2·12 | 0·05 | 1·20 | ... | ... | 10 | 1·86 | 5·95 | 0·88 | 2·12 | 5·95 | 0·88 | Rampur. | | | |
| 1·06 | 0·10 | 0·41 | 0·18 | 0·09 | 0·02 | 0·05 | 1·50 | ... | ... | 7 | 2·30 | 4·[illegible] | 1·03 | 1·80 | 4·28 | 1·03 | Talcher. | | | |
| 0·86 | ... | 0·46 | 0·34 | 0·74 | ... | ... | 0·52 | ... | ... | 9 | ? | 5·[illegible] | ? | 1·09 | 5·57 | ? | *Athmalik.* | | | |
| 0·11 | 0·21 | 0·19 | 0·02 | 0·27 | ... | 0·78 | ... | ... | ... | 10 | ? | 5·7[illegible] | ? | 1·67 | 5·75 | ? | *Bindol.* | | | |
| 0·55 | 0·35 | 0·26 | 0·81 | .. | ... | 1·02 | ... | ... | ... | 12 | ? | 5·15 | ? | 1·02 | 5·15 | ? | *Boad.* | | | |
| ... | 0·57 | 0·45 | 0·45 | ... | 0·16 | 0·01 | 0·31 | ... | ... | 9 | ? | 4·19 | ? | 0·94 | 4·19 | ? | *Nilgiri.* | | | |
| ... | 0·18 | ... | 0·20 | 0·02 | ... | ... | 1·30 | ... | ... | 6 | ? | 3·10 | ? | 1·30 | 3·10 | ? | *Athgarh.* | | | |
| ... | 0·50 | ... | 0·63 | 0·39 | ... | ... | 0·07 | ... | ... | 6 | 1·17 | 4·25 | 0·78 | 1·34 | 4·25 | 0·78 | Puri | Puri ... | | |
| ... | 0·35 | 0·84 | 0·30 | 0·28 | ... | ... | 1·15 | ... | ... | 11 | 1·27 | 4·43 | [illegible] | 1·15 | 4·43 | 0·62 | Khurda. | | | |
| ... | 0·92 | 0·12 | 0·76 | 0·81 | .. | ... | 0·14 | 0·04 | ... | 10 | 1·[illegible]6 | 5·28 | [illegible] | 0·81 | 5·28 | 0·78 | Bhanpur. | | | |
| ... | 0·16 | ... | 0·05 | 0·50 | ... | ... | 0·67 | ... | ... | 6 | 0·87 | 4·18 | [illegible] | 1·21 | 4·18 | 0·45 | Gop. | | | |
| | | | | | | | | | | | 1·09 | | 0·45 | | | 0·43 | Satpara | | | |
| 1·36 | ... | 1·67 | 0·26 | ... | ... | 0·07 | ... | ... | ... | 9 | 1·13 | 4·39 | 0·49 | 1·67 | 4·39 | 0·49 | Sunakhalla. | | | |
| ... | 0·31 | ... | 0·23 | 0·18 | ... | ... | 0·54 | ... | ... | 7 | ? | 2·92 | ? | 1·18 | 2·92 | ? | *Kanas.* | | | |
| ... | 1·05 | 0·05 | 0·90 | 0·31 | 0·04 | ... | ... | ... | ... | 6 | ? | 3·10 | ? | 1·05 | 3·10 | ? | Tangbi. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Jenkia. | | | |
| ... | 0·54 | ... | 0·34 | 0·73 | 0·15 | 0·09 | 0·14 | ... | ... | 6 | 1·50 | 2·14 | 0·00 | 0·73 | 2·14 | [illegible]0 | Pachamba (*Giridih*). ... | Hazaribagh | | |
| ... | 0·09 | ... | 0·17 | 0·36 | 0·38 | 0·62 | 0·25 | ... | ... | 6 | 1·35 | 2·36 | 0·43 | 0·62 | 2·36 | 0·43 | Hazaribagh | | | |
| ... | 0·91 | ... | ... | 0·61 | 0·31 | ... | 0·03 | ... | ... | 4 | 0·60 | 2·02 | 0·27 | 0·91 | 2·02 | 0·27 | Barhi. | | | |
| ... | 0·60 | ... | 0·30 | 0·11 | 0·60 | 0·06 | 0·28 | ... | ... | 5 | 0·60 | 1·85 | 0·19 | 0·60 | 1·85 | 0·19 | Chatra. | | | |
| 0·52 | ... | 0·11 | ... | 0·03 | ... | 0·40 | ... | ... | ... | 6 | 1·27 | 1·51 | 0·59 | 0·52 | 1·51 | 0·59 | Kharagdiha. | | | |
| 0·10 | | 1·00 | 0·02 | 0·07 | ... | 0·75 | ... | ... | ... | 5 | 0·75 | 2·86 | 0·28 | 1·00 | 2·86 | 0·28 | Ramgarh. | | | |
| 0·04 | 1·22 | ... | ... | 0·70 | 0·31 | ... | 0·50 | ... | ... | 5 | ? | 3·04 | ? | 1·22 | 3·04 | ? | *Koderma.* | | | |
| | | | | | | | | | | | ? | | ? | | | ? | *Bagodar.* | | | |
| 0·45 | ... | ... | 0·38 | ... | ... | ... | 0·33 | ... | ... | 8 | 1·76 | 2·78 | 0·63 | 0·60 | 2·78 | 0·63 | Lohardaga ... | Ranchi ... | | Chota Nagpur. |
| ... | 0·53 | ... | 0·23 | 0·09 | 0·15 | ... | 0·28 | ... | ... | 5 | 2·16 | 1·63 | 0·75 | 0·58 | 1·63 | 0·75 | Ranchi | | | |
| ... | 1·00 | ... | ... | 0·91 | 0·48 | 0·57 | 0·27 | ... | ... | 9 | 1·37 | 5·62 | 0·64 | 1·55 | 5·62 | 0·64 | Silli. | | | |
| | | | | | | | | | | | 3·00 | | 1·78 | | | 1·78 | Palkot. | | | |
| 0·14 | 0·09 | ... | 0·14 | 0·14 | 0·19 | 0·17 | 0·65 | ... | ... | 8 | ? | 2·58 | ? | 0·65 | 2·58 | ? | *Bano.* | | | |
| | | | | | | | | | | | 3·00 | | 1·59 | | | 1·[illegible] | Tamar. | | | |
| 1·04 | ... | ... | 1·06 | ... | ... | ... | ... | ... | ... | 4 | ? | 2·77 | ? | 1·06 | 2·77 | ? | *Kurdeg.* | | | |
| ... | 0·40 | ... | 0·22 | 0·02 | ... | ... | 0·42 | ... | ... | 6 | ? | 2·04 | ? | 0·45 | 2·04 | ? | *Gumia.* | | | |
| ... | 0·22 | ... | 0·23 | 0·23 | 0·06 | 0·01 | 0·75 | ... | ... | 8 | 2·14 | 2·58 | 1·01 | 0·75 | 2·58 | 1·01 | Chainpur. | | | |
| ... | 0·50 | 0·05 | 0·03 | 0·42 | 0·12 | ... | 0·35 | ... | ... | 7 | ? | 2·60 | ? | 0·50 | 2·60 | ? | Khunti. | | | |
| | | | | | | | | | | | 0·70 | | 0·27 | | | 0·27 | Palamau (*Daltonganj*). | Palamau ... | | |
| ... | 0·47 | ... | ... | ... | ... | ... | 1·50 | ... | ... | 2 | 0·80 | 1·97 | 0·27 | 1·50 | 1·97 | 0·27 | Balumath. | | | |
| | | | | | | | | | | | 0·40 | | 0·18 | | | 0·18 | Husainabad. | | | |
| 0·22 | ... | ... | 0·10 | ... | 0·02 | ... | 1·30 | ... | ... | 4 | 0·47 | 1·85 | 0·16 | 1·30 | 1·85 | 0·16 | Garhwa. | | | |
| ... | ... | ... | 0·40 | 0·15 | ... | ... | 0·15 | ... | ... | 5 | ? | 1·86 | ? | 1·00 | 1·86 | ? | *Mahuadanr.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Panki.* | | | |
| ... | 0·60 | ... | ... | 0·50 | 0·74 | ... | ... | 0·73 | ... | 4 | ? | 2·57 | ? | 0·73 | 2·57 | ? | *Latehar.* | | | |
| 1·00 | ... | ... | 0·30 | ... | ... | ... | 0·55 | ... | ... | 3 | ? | 1·85 | ? | 1·00 | 1·85 | ? | *Nagarutari.* | | | |
| 0·15 | ... | ... | 0·25 | ... | ... | ... | 2·00 | ... | ... | 4 | ? | 2·70 | ? | 2·00 | 2·70 | ? | *Ranka.* | | | |
| ... | ... | ... | 0·14 | ... | ... | 0·20 | ... | ... | ... | 2 | ? | 0·34 | ? | 0·20 | 0·34 | ? | *Chattarpur.* | | | |
| 0·60 | ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·84 | ? | 0·60 | 0·84 | ? | *Bhaonathpur.* | | | |
| ... | ... | ... | 0·18 | 0·25 | ... | ... | 0·68 | ... | ... | 3 | ? | 1·11 | ? | 0·68 | 1·11 | ? | *Patan.* | | | |
| ... | ... | ... | 0·19 | 0·94 | 0·32 | ... | 0·46 | ... | ... | 4 | ? | 1·94 | ? | 0·94 | 1·94 | ? | *Monatu.* | | | |
| ... | ... | ... | 0·45 | ... | ... | 0·90 | ... | ... | ... | 2 | ? | 1·35 | ? | 0·90 | 1·35 | ? | *Lesliganj.* | | | |
| ... | ... | 0·50 | ... | ... | ... | ... | ... | ... | ... | 5 | ? | 2·50 | ? | 1·00 | 2·50 | ? | *Kerh.* | | | |
| ... | 0·41 | ... | 1·00 | 0·65 | ... | ... | 0·62 | ... | ... | 4 | ? | 2·68 | ? | 1·00 | 2·68 | ? | *Garu.* | | | |
| ... | 0·80 | ... | 0·11 | 0·10 | ... | 0·11 | ... | ... | ... | 7 | 2·39 | 3·39 | 0·99 | 1·12 | 3·39 | 0·99 | Purulia | Manbhum ... | | |
| ... | 2·00 | ... | 0·15 | 0·38 | 0·07 | 0·40 | 0·14 | ... | ... | 7 | 1·48 | 3·68 | 0·69 | 2·00 | 3·68 | 0·69 | Gobindpur. | | | |
| ... | 1·00 | ... | 0·23 | 0·22 | 0·24 | 0·20 | 0·81 | ... | ... | 8 | 1·60 | 3·63 | 0·75 | 1·00 | 3·63 | 0·75 | Raghunathpur | | | |
| ... | 0·40 | ... | 0·25 | 0·32 | 0·06 | 0·05 | 0·56 | ... | ... | 7 | 2·33 | 2·61 | 1·32 | 0·60 | 2·61 | 1·32 | Barahabhum. | | | |
| ... | 0·79 | ... | 0·06 | 1·00 | . | 0·46 | 0·02 | ... | ... | 5 | 2·33 | 3·53 | 1·30 | 1·00 | 3·53 | 1·30 | Jhalda. | | | |
| ... | 1·00 | ... | 0·09 | 0·25 | 0·15 | ... | ... | ... | ... | 4 | 1·67 | 2·09 | 1·07 | 1·00 | 2·09 | 1·07 | Chas. | | | |
| ... | 0·30 | ... | 0·16 | 0·05 | ... | 0·30 | 0·03 | ... | ... | 6 | 1·89 | 2·00 | 1·00 | 0·76 | 2·00 | 1·00 | Pandra. | | | |
| 0·20 | ... | ... | ... | 1·30 | ... | ... | 0·32 | ... | ... | 8 | ? | 5·06 | | 1·60 | 5·06 | ? | *Manbazar.* | | | |
| ... | 0·12 | ... | 1·50 | ... | 0·12 | 0·06 | ... | ... | ... | 7 | ? | 3·86 | ? | 1·30 | 3·86 | ? | Kotlapal. | | | |
| ... | 1·93 | 0·11 | ... | 0·36 | .. | 0·05 | 0·80 | .. | ... | 6 | 2·06 | 4·25 | 1·03 | 1·93 | 4·25 | 1·03 | Chaibassa | Singhbhum ... | | |
| 0·44 | 0·08 | 0·88 | 0·42 | ... | 0·05 | 0·87 | ... | ... | ... | 6 | 2·53 | 4·64 | 1·10 | 1·50 | 4·64 | 1·10 | Chakradharpur | | | |
| ... | 0·48 | 0·08 | ... | 1·40 | ... | ... | 1·52 | ... | ... | 7 | 2·00 | 5·54 | 1·[illegible] | 1·52 | 5·54 | 1·22 | Ghatsila. | | | |
| 0·58 | 0·62 | 0·19 | 1·30 | 0·45 | 1·23 | ... | 0·62 | ... | ... | 12 | 2·47 | 7·02 | 1·69 | 1·30 | 7·02 | 1·69 | Baharagura. | | | |
| ... | 1·02 | 0·35 | 1·08 | | | | | | | | 3·25 | | 1·44 | | | 1·44 | Gailkura. | | | |
| ... | 0·47 | 0·13 | ... | 2·38 | ... | ... | 0·71 | ... | ... | 7 | 3·43 | 6·28 | 2·23 | 2·[illegible] | 6·28 | 2·23 | Kalikapur. | | | |
| ... | 1·02 | 1·01 | ... | 1·00 | ... | ... | 2·04 | ... | ... | 4 | 2·67 | 5·14 | 1·41 | 2·04 | 5·14 | 1·41 | Monoharpur. | | | |
| ... | 1·57 | 0·57 | 0·34 | 0·93 | ... | ... | 1·59 | ... | ... | 9 | ? | 7·34 | ? | 1·59 | 7·34 | ? | *Katbari.* | | | |
| ... | 2·62 | 0·06 | 0·90 | 0·65 | 0·08 | 0·14 | 0·23 | ... | ... | 9 | ? | 4·85 | ? | 1·27 | 4·85 | ? | *Seraikela.* | | | |
| ... | 0·22 | ... | 0·37 | 0·53 | 1·67 | 0·24 | 0·20 | ... | ... | 10 | ? | 5·43 | ? | 1·03 | 5·43 | ? | *Kharsawan.* | | | |
| ... | 0·27 | 1·13 | 0·23 | 0·47 | ... | 0·25 | 0·27 | ... | ... | 11 | ? | 6·03 | ? | 2·83 | 6·03 | ? | *Jaintgarh.* | | | |
| ... | 0·05 | 0·50 | ... | 0·45 | ... | ... | 0·80 | ... | ... | 6 | ? | 2·79 | ? | 0·80 | 2·79 | ? | *Jaganathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of April 1909.

| Meteorological Division. | Division. | District. | District Observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 1st April 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 7·08 | 1·88 | +5·20 | 9·40 | 2·77 | 7·08 | 1·88 | +5·20 | 9·40 | 7·08 |
| | | Birbhum ... | 4·20 | 1·15 | +3·05 | 7·00 | 2·15 | 4·20 | 1·15 | +3·05 | 7·00 | 2·15 |
| | | Bankura ... | 5·10 | 1·33 | +3·77 | 9·40 | 2·48 | 5·10 | 1·33 | +3·77 | 9·40 | 2·48 |
| | | Midnapore ... | 6·05 | 1·54 | +4·51 | 10·00 | 2·79 | 6·05 | 1·54 | +4·51 | 10·00 | 2·79 |
| | | Hooghly ... | 8·32 | 2·07 | +6·25 | 10·33 | 2·97 | 8·32 | 2·07 | +6·25 | 10·33 | 2·97 |
| | | Howrah ... | 6·51 | 1·64 | +4·87 | 9·33 | 3·03 | 6·51 | 1·64 | +4·87 | 9·33 | 3·03 |
| | Presidency ... | 24-Parganas ... | 6·00 | 1·73 | +4·27 | 8·63 | 2·72 | 6·00 | 1·73 | +4·27 | 8·63 | 2·72 |
| | | Calcutta ... | 5·95 | 1·54 | +4·41 | 11·00 | 2·92 | 5·95 | 1·54 | +4·41 | 11·00 | 2·92 |
| | | Nadia ... | 6·66 | 2·82 | +3·84 | 11·20 | 4·01 | 6·66 | 2·82 | +3·84 | 11·20 | 4·01 |
| | | Murshidabad ... | 4·45 | 1·65 | +2·80 | 8·00 | 2·66 | 4·45 | 1·65 | +2·80 | 8·00 | 2·66 |
| | | Jessore ... | 7·13 | 3·30 | +3·83 | 10·20 | 4·60 | 7·13 | 3·30 | +3·83 | 10·20 | 4·60 |
| | | Khulna ... | 5·08 | 2·61 | +2·47 | 8·60 | 3·55 | 5·08 | 2·61 | +2·47 | 8·60 | 3·55 |
| Bihar. | Patna ... | Patna ... | 2·95 | 0·28 | +2·67 | 5·50 | 0·66 | 2·95 | 0·28 | +2·67 | 5·50 | 0·66 |
| | | Gaya ... | 1·54 | 0·17 | +1·37 | 2·90 | 0·45 | 1·54 | 0·17 | +1·37 | 2·90 | 0·45 |
| | | Shahabad ... | 1·50 | 0·17 | +1·33 | 3·83 | 0·42 | 1·50 | 0·17 | +1·33 | 3·83 | 0·42 |
| | Tirhut ... | Saran ... | 2·78 | 0·38 | +2·48 | 5·14 | 0·62 | 2·78 | 0·38 | +2·48 | 5·14 | 0·62 |
| | | Champaran ... | 4·79 | 0·60 | +4·19 | 7·50 | 1·09 | 4·79 | 0·60 | +4·19 | 7·50 | 1·09 |
| | | Muzaffarpur .. | 2·79 | 0·55 | +2·24 | 5·67 | 0·89 | 2·79 | 0·55 | +2·24 | 5·67 | 0·89 |
| | | Darbhanga ... | 3·74 | 0·68 | +3·06 | 5·50 | 1·21 | 3·74 | 0·68 | +3·06 | 5·50 | 1·21 |
| | Bhagalpur ... | Monghyr ... | 2·72 | 0·53 | +2·19 | 4·50 | 1·34 | 2·72 | 0·53 | +2·19 | 4·50 | 1·34 |
| | | Bhagalpur ... | 2·41 | 0·93 | +1·48 | 4·50 | 1·52 | 2·41 | 0·93 | +1·48 | 4·50 | 1·52 |
| | | Darjeeling ... | 7·31 | 4·26 | +3·05 | 13·66 | 7·67 | 7·31 | 4·26 | +3·05 | 13·66 | 7·67 |
| | | Purnea ... | 4·66 | 1·57 | +3·09 | 7·33 | 2·17 | 4·66 | 1·57 | +3·09 | 7·33 | 2·17 |
| | | Sonthal Parganas. | 3·01 | 0·82 | +2·19 | 5·06 | 1·68 | 3·01 | 0·82 | +2·19 | 5·06 | 1·68 |
| Orissa. | Orissa ... | Sambalpur ... | 3·45 | 0·48 | +2·97 | 7·00 | 1·25 | 3·45 | 0·48 | +2·97 | 7·00 | 1·25 |
| | | Angul ... | 5·28 | 2·13 | +3·15 | 8·50 | 1·36 | 5·28 | 2·13 | +3·15 | 8·50 | 1·36 |
| | | Cuttack ... | 4·46 | 1·27 | +3·19 | 7·13 | 1·91 | 4·46 | 1·27 | +3·19 | 7·13 | 1·91 |
| | | Balasore ... | 6·59 | 1·79 | +4·80 | 8·33 | 2·93 | 6·59 | 1·79 | +4·80 | 8·33 | 2·93 |
| | | Puri ... | 4·51 | 0·59 | +3·92 | 8·40 | 1·15 | 4·51 | 0·59 | +3·92 | 8·40 | 1·15 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | 2·12 | 0·39 | +1·73 | 5·33 | 0·97 | 2·12 | 0·39 | +1·73 | 5·33 | 0·97 |
| | | Ranchi ... | 3·15 | 1·07 | +2·08 | 7·50 | 2·22 | 3·15 | 1·07 | +2·08 | 7·50 | 2·22 |
| | | Palamau ... | 1·91 | 0·22 | +1·69 | 3·00 | 0·59 | 1·91 | 0·22 | +1·69 | 3·00 | 0·59 |
| | | Manbhum ... | 2·99 | 1·02 | +1·97 | 6·29 | 1·96 | 2·99 | 1·02 | +1·97 | 6·29 | 1·96 |
| | | Singhbhum ... | 5·48 | 1·45 | +4·03 | 7·00 | 2·63 | 5·48 | 1·45 | +4·03 | 7·00 | 2·63 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF APRIL 1909.

THE rainfall was above the average in all districts. In Burdwan, Midnapore Hooghly Howrah, 24-Parganas, Champaran, Balasore and Singhbhum the excess varied from 4 to 6 inches. The average recorded in South-West Bengal was 5·79, in Bihar 2·79, in Orissa 5·01 and in Chota Nagpur 3·32 inches. Expressed in percentage figures, South-West Bengal received 308, Bihar 457, Orissa 411 and Chota Nagpur 339 per cent. The departure from the normal was +3·91 in South-West Bengal, +2·18 in Bihar, +3·79 in Orissa and +2·42 in Chota Nagpur. The rainfall recorded during the month of April 1909 was greater than that recorded in the same month in any previous year except 1899.

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of April 1909:—

| Meteorological Divisions. | Rainfall of month. Average. | Normal average | Variation | Rainy days. Average number in month. | Normal average number in month. | Variation. | Rainfall since 1st April 1909. Average. | Normal average. |
|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... | 5·79 | 1·88 | +3·91 | 9·16 | 2·96 | +6·20 | 5·79 | 1·88 |
| Bihar ... ... | 2·79 | 0·61 | +2·18 | 4·98 | 1·13 | +3·85 | 2·79 | 0·61 |
| Orissa ... ... | 5·01 | 1·22 | +3·79 | 7·83 | 1·99 | +5·84 | 5·01 | 1·22 |
| Chota Nagpur ... | 3·32 | 0·90 | +2·42 | 6·16 | 1·80 | +4·36 | 3·32 | 0·90 |

CALCUTTA,
*The 17th May 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Supplementary Vital Statistics for January 1909 received too late for publication with the figures of that month on the 26th March 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory disease. Number registered. | Respiratory disease. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***District.*** | | | | | | | | | | | | | | | | | | | | | | | | |
| Patna ... | Shahabad ... ... ... | 1,962,696 | 5,187 | 33·48 | ... | .. | 587 | 2·28 | 51 | ·24 | 3,058 | 18·60 | 20 | ·12 | 1 | ·006 | 38 | ·12 | 758 | 4·80 | 4,343 | 26·52 | 6,603 | 40·32 | |
| | Total for the whole Province ... ... ... | 50,528,446 | 142,968 | 33·84 | 516 | ·12 | 2,959 | ·60 | 911 | ·12 | 67,942 | 16·08 | 2,699 | ·60 | 1,279 | ·24 | 913 | ·12 | 21,580 | 5·04 | 99,194 | 23·52 | 157,541 | 37·32 | |
| | Average of corresponding month of previous five years ... ... ... | ..... | 173,662 | 41·16 | 11,931 | 2·52 | 1,634 | ·36 | 8,330 | 1·92 | 97,923 | 23·16 | 4,564 | 1·08 | 1,321 | ·24 | 1,007 | ·12 | 31,661 | 7·44 | 157,541 | 37·32 | ... | ... | |
| | Difference + or — ... | ..... | —30,694 | —7·32 | —10,185 | —2·40 | +1,325 | +·24 | —7,451 | —1·80 | —30,050 | —7·08 | —1,865 | —·48 | —42 | Equal | —89 | Equal | —10,081 | —2·40 | —58,437 | —13·80 | ... | ... | |
| | ***Towns.*** | | | | | | | | | | | | | | | | | | | | | | | | |
| | Arrah ... ... ... .. | 46,170 | 73 | 18·96 | ... | .. | ... | ... | 5 | 2·04 | 21 | 5·40 | 2 | ·48 | ... | .. | ... | .. | 7 | 1·80 | 38 | 9·84 | 120 | 33·72 | |
| | Sasaram ... ... ... | 23,644 | 31 | 15·72 | | . | 34 | 17·16 | . | ... | 18 | 8·04 | ... | | ... | ... | 2 | ·96 | 2 | ·96 | 54 | 27·36 | 155 | 78·60 | |
| | Total of all towns with a population of 20,000 and over ... ... ... ... | 2,222,870 | 4,301 | 23·16 | 95 | ·48 | 657 | 3·00 | 115 | ·60 | 1,308 | 6·96 | 386 | 2·04 | 674 | 3·60 | 95 | ·48 | 1,664 | 8·88 | 5,024 | 27·12 | 7,845 | 42·24 | |
| | Average of corresponding month of previous five years ... ... ... .. | .. .. | 4,590 | 24·72 | 721 | 3·84 | 183 | ·96 | 1,223 | 6·60 | 2,033 | 10·[illegible] | 753 | [illegible] | [illegible] | 3·12 | 99 | ·48 | 2,241 | 12·09 | 7,846 | 42·24 | ... | ... | |
| | Difference + or — | ..... | —289 | —1·56 | —626 | —3·36 | +504 | +2·64 | —1,108 | —6·00 | [illegible] | —3·96 | —372 | —2·04 | +86 | +·48 | —4 | Equal | —577 | —3·21 | —2,822 | —15·12 | ... | ... | |

*Supplementary Vital Statistics for February 1909 received too late for publication with the figures of that month on the 16th April 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory disease. Number registered. | Respiratory disease. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ***District.*** | | | | | | | | | | | | | | | | | | | | | | | | |
| Patna ... ... | Shahabad . ... .. | 1,962,696 | 5,012 | 30·60 | .. | .. | 423 | 2·52 | 62 | ·36 | 2,758 | 16·80 | 10 | ·06 | 1 | ·006 | 57 | ·24 | 635 | 3·84 | 3,946 | 24·12 | 6,169 | 37·68 | |
| | Total for the whole Province ... ... . | 50,528,446 | 136,139 | 32·28 | 1,145 | ·24 | 4,346 | ·96 | 1,210 | ·24 | 65,193 | 15·48 | 2,467 | ·48 | 1,339 | ·24 | 1,020 | ·24 | 20,[illegible]58 | 4·68 | 96,806 | 22·92 | 134,778 | 31·92 | |
| | Average of corresponding month of previous five years .. ... ... | . | 158,793 | 37·68 | 9,845 | 2·28 | 1,516 | ·36 | 12,248 | 2·88 | 78,645 | 18·60 | 3,823 | ·84 | 1,163 | ·24 | 945 | ·12 | 26,193 | 6·12 | 134,778 | 31·92 | ... | .. | |
| | Difference + or — ... | | —22,654 | —5·40 | —8,700 | —2·04 | +2,830 | +·60 | —11,138 | —2·64 | —13,452 | —3·12 | —1,356 | —·36 | +176 | Equal | +75 | +·12 | —6,105 | —1·44 | —37,970 | —9·00 | .. | ... | |
| | ***Towns.*** | | | | | | | | | | | | | | | | | | | | | | | | |
| | Arrah ... ... | 46,170 | 54 | 13·92 | .. | ... | 1 | ·24 | 29 | 7·44 | 12 | 3·00 | 2 | ·48 | ... | ... | 1 | ·24 | 8 | 2·04 | 53 | 13·68 | 208 | 54·00 | |
| | Sasaram ... ... | 23,644 | 34 | 17·16 | ... | .. | 46 | 23·28 | . | . | 11 | 5·52 | 1 | ·48 | ... | ... | 1 | ·48 | 2 | ·96 | 61 | 30·84 | 67 | 33·96 | |
| | Total of all towns with a population of 20,000 and over. | 2,222,870 | 4,062 | 21·84 | 180 | ·96 | 1,430 | 7·68 | 201 | 1·08 | 1,192 | 6·36 | 338 | 1·80 | 627 | 3·36 | 101 | ·48 | 1,510 | 8·04 | 5,579 | 30·00 | 7,417 | 39·96 | |
| | Average of corresponding month of previous five years. | . | 3,962 | 21·36 | 491 | 2·64 | 258 | 1·32 | 1,926 | 10·32 | 1,715 | 9·24 | 572 | 3·00 | 489 | 2·52 | 86 | ·36 | 1,880 | 10·08 | 7,417 | 39·96 | ... | ... | |
| | Difference + or — | | +100 | +·48 | —311 | 1·68 | +1,172 | +6·36 | —1,725 | —9·24 | —523 | —2·88 | —234 | —1·20 | +138 | +·84 | +15 | +·12 | —370 | —2·04 | —1,838 | —9·96 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
*The 15th May 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,
*Sanitary Commissioner for Bengal.*

## *Vital Statistics of the districts of Bengal for the month of March 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan ... ... ... | 1,532,716 | 4,1[illegible] | 32·16 | 261 | 2·04 | 247 | 1·92 | 2 | ·01 | 3,079 | 24·00 | 39 | ·24 | 14 | ·10 | 19 | ·12 | 697 | 5·40 | 4,358 | 34·08 | 6,150 | 48·12 | |
| | Birbhum ... ... ... | [illegible] | [illegible] | 38·16 | 21 | ·36 | 73 | ·60 | ... | ... | 2,379 | 31·56 | 12 | ·12 | 9 | ·10 | 15 | ·12 | 294 | 3·84 | 2,791 | 37·08 | 3,988 | 52·92 | |
| | Bankura ... ... ... | 1,118,411 | 3,015 | 32·40 | 242 | 2·52 | 80 | ·84 | ... | ... | 2,011 | 21·60 | 47 | ·48 | 5 | ·04 | 14 | ·12 | 544 | 5·76 | 2,948 | 31·56 | 3,260 | 35·04 | |
| | Midnapore ... ... ... | 2,759,114 | 8,718 | 37·56 | 444 | 1·80 | 728 | 2·28 | ... | ... | 4,881 | 21·00 | 103 | ·36 | 17 | ·07 | 26 | ·10 | 1,151 | 4·92 | 7,178 | 30·84 | 8,660 | 37·20 | |
| | Hooghly, including Serampore. | 1,049,041 | 3,[illegible]50 | 41·64 | 372 | 4·08 | 432 | 4·92 | ... | ... | 2,095 | 23·80 | 188 | 2·04 | 59 | ·60 | 25 | ·21 | 539 | 6·12 | 3,700 | 42·24 | 3,569 | 40·80 | |
| | Howrah ... ... ... | 850,514 | 2,711 | 38·16 | 534 | 7·44 | 737 | 10·32 | ... | ... | 1,070 | 15·00 | 262 | 3·60 | 93 | 1·20 | 64 | ·84 | 532 | 7·44 | 3,257 | 46·32 | 2,607 | 36·72 | |
| Presidency | 24-Parganas ... ... | 2,278,358 | 6,595 | 38·04 | 458 | 2·64 | 585 | 3·24 | ... | ... | 2,568 | 14·76 | 105 | ·48 | 117 | ·60 | 85 | ·48 | 832 | 4·80 | 4,728 | 27·24 | 5,614 | 32·52 | |
| | Calcutta ... ... ... | 847,796 | 1,650 | 23·28 | 489 | 6·84 | 1,590 | 21·48 | 305 | 4·80 | 291 | 4·08 | 140 | 1·92 | 478 | 6·72 | 58 | ·48 | 794 | 11·16 | 4,095 | 57·96 | 3,539 | 50·04 | |
| | Nadia ... ... ... | 1,467,491 | 7,[illegible] | 54·72 | 217 | 1·56 | 104 | ·72 | ... | ... | 3,[illegible] | 25·20 | 15 | ·09 | 7 | ·04 | 47 | ·24 | 8[illegible]8 | 6·00 | 4,741 | 34·08 | 5,328 | 38·28 | |
| | Murshidabad ... ... | 1,353,184 | 5,[illegible] | 45·72 | 27 | ·24 | 142 | 1·20 | ... | ... | [illegible]284 | 24·72 | 9 | ·07 | 5 | ·03 | 15 | ·12 | 5[illegible]0 | 4·80 | 3,722 | 33·48 | 4,481 | 40·32 | |
| | Jessore ... ... ... | 1,878,155 | 7,515 | 49·68 | 1,154 | 9·60 | 42 | ·36 | ... | ... | 4,[illegible] | 28·68 | 16 | ·09 | 9 | ·04 | 44 | ·24 | 6[illegible]5 | 4·20 | 6,574 | 43·44 | 4,929 | 32·52 | |
| | Khulna ... ... ... | [illegible] | 4,7[illegible] | 45·84 | 758 | 7·20 | 17 | ·12 | ... | ... | 2,022 | 19·32 | 17 | ·12 | [illegible] | ·03 | 49 | ·36 | 78[illegible] | 7·32 | 5,[illegible]37 | 34·80 | 2,838 | 27·12 | |
| Patna | Patna ... ... ... | 1,624,712 | 5,[illegible]68 | 41·76 | 34 | ·24 | 523 | 4·32 | 265 | 1·92 | 1,832 | 13·44 | 228 | 1·68 | [illegible] | 1·32 | 84 | ·60 | 1,145 | 8·40 | 4,[illegible]74 | 32·28 | 9,502 | 70·08 | |
| | Gaya ... ... ... | 2,069,[illegible]53 | 5,300 | 30·84 | 87 | ·48 | 574 | 3·24 | 63 | ·24 | 3,918 | 22·[illegible] | 49 | ·24 | 15 | ·07 | 83 | ·48 | 532 | 3·00 | 5,309 | 30·84 | 7,838 | 45·60 | |
| | Shahabad ... ... ... | | | | | | | | Return not received in spite of repeated reminders. | | | | | | | | | | | | | | | | |
| Tirhut | Saran ... ... ... | 2,410,154 | 11,211 | 55·32 | ... | ... | 364 | 1·80 | 496 | 2·40 | 2,773 | 13·68 | 141 | ·60 | 121 | ·60 | 77 | ·36 | 2,535 | 12·48 | 6,486 | 32·28 | 11,749 | 58·44 | |
| | Champaran ... ... | 1,790,463 | 8,167 | 54·72 | 10 | ·06 | 100 | ·60 | 1 | ·006 | 3,078 | 20·52 | 12 | ·07 | 5 | ·09 | 35 | ·12 | 1,140 | 6·96 | 4,291 | 28·68 | 3,557 | 23·64 | |
| | Muzaffarpur ... ... | 2,774,790 | 13,603 | 59·16 | 4 | ·01 | 81 | ·24 | 129 | ·48 | 5,787 | 25·20 | 47 | ·12 | 24 | ·09 | 65 | ·24 | 1,150 | 4·92 | 7,287 | 31·68 | 7,267 | 31·56 | |
| | Darbhanga ... ... | 2,312,611 | 14,994 | 61·68 | ... | ... | 71 | ·24 | 255 | ·96 | 6,592 | 27·12 | 150 | ·60 | 1 | ·003 | 40 | ·12 | 1,404 | 5·76 | 8,520 | 35·04 | 7,326 | 30·12 | |
| Bhagalpur | Monghyr ... ... ... | 2,068,804 | 10,041 | 58·20 | ... | ... | 105 | ·84 | 495 | 2·76 | 4,923 | 28·44 | 19 | ·10 | 6 | ·02 | 67 | ·36 | 1,164 | 6·72 | 6,839 | 39·60 | 6,996 | 40·56 | |
| | Bhagalpur ... ... ... | 2,088,068 | 8,601 | 49·32 | ... | ... | 71 | ·36 | 45 | ·24 | 4,867 | 27·84 | 13 | ·07 | 5 | ·02 | 40 | ·12 | 659 | 3·84 | 5,730 | 33·88 | 5,181 | 29·76 | |
| | Purnea ... ... ... | 1,874,794 | 10,015 | 64·08 | 1 | ·006 | 18 | ·10 | ... | ... | 6,051 | 38·64 | 6 | ·03 | 4 | ·02 | 36 | ·12 | 230 | 1·44 | 6,346 | 40·56 | 5,975 | 38·16 | |
| | Darjeeling ... ... | 249,117 | 862 | 42·48 | 1 | ·04 | 6 | ·24 | ... | ... | 734 | 35·28 | 37 | 1·68 | 4 | ·12 | 5 | ·24 | 106 | 5·04 | 893 | 42·96 | 704 | 33·84 | |
| | Sonthal Parganas ... | 1,869,737 | 3,608 | 23·88 | 33 | ·12 | 183 | 1·08 | 1 | ·006 | 2,651 | 17·52 | 23 | ·12 | 3 | ·01 | 24 | ·12 | 259 | 1·68 | 3,168 | 20·88 | 3,433 | 24·01 | |
| Orissa | Cuttack ... ... ... | 2,062,758 | 4,847 | 23·52 | 24 | ·12 | 102 | ·48 | ... | ... | 3,218 | 18·72 | 754 | 4·32 | 9 | ·36 | 113 | ·60 | 1,622 | 9·36 | 5,906 | 34·32 | 6,[illegible]33 | 39·12 | |
| | Balasore ... ... ... | 1,071,197 | 2,525 | 28·20 | 107 | 1·08 | 100 | 1·08 | ... | ... | 1,182 | 12·84 | 160 | 1·68 | ... | ... | 29 | ·24 | 1,245 | 13·92 | 2,793 | 31·20 | 4,223 | 47·28 | |
| | Puri ... ... ... | 1,017,284 | 2,180 | 25·68 | 474 | 5·52 | 45 | ·48 | ... | ... | 918 | 9·48 | 407 | 4·80 | 210 | 2·40 | 47 | ·48 | 938 | 11·04 | 2,929 | 34·44 | 3,300 | 38·88 | |
| | Sambalpur ... ... ... | 636,880 | 2,395 | 45·12 | 3 | ·04 | 1 | ·01 | ... | ... | 751 | 14·04 | 180 | 3·36 | 72 | 1·20 | 19 | ·24 | 620 | 11·64 | 1,644 | 30·96 | 1,820* | 28·56 | * Figures for three years. Not under registration. |
| | Angul and Khondmals ... | | | | | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur. | Hazaribagh ... ... | 1,177,961 | 2,753 | 27·96 | 20 | ·12 | 139 | 1·32 | ... | ... | 2,435 | 24·72 | 13 | ·12 | 2 | ·01 | 47 | ·36 | 396 | 3·96 | 3,051 | 31·08 | 2,919 | 28·68 | |
| | Ranchi ... ... ... | 1,187,955 | 3,263 | 32·88 | ... | ... | 201 | 1·92 | ... | ... | 1,748 | 17·64 | 118 | 1·08 | 6 | ·06 | 37 | ·36 | 574 | 5·76 | 2,864 | 27·00 | 2,830 | 28·56 | |
| | Palamau ... ... ... | 619,600 | 1,650 | 30·00 | ... | ... | 241 | 4·56 | ... | ... | 1,516 | 29·28 | 7 | ·12 | 2 | ·03 | 24 | ·36 | 227 | 4·32 | 2,017 | 39·00 | 1,830 | 35·40 | |
| | Manbhum ... ... ... | 1,301,364 | 2,855 | 26·28 | 67 | ·60 | 89 | ·72 | 1 | ·008 | 2,415 | 22·20 | 19 | ·12 | 3 | ·02 | 14 | ·12 | 433 | 3·96 | 3,044 | 27·96 | 3,111 | 28·68 | |
| | Singhbhum ... ... | 612,379 | 1,378 | 24·96 | 16 | ·24 | 46 | ·84 | ... | ... | 1,103 | 21·48 | 19 | ·36 | ... | ... | 18 | ·24 | 72 | 1·32 | 1,274 | 24·84 | 1,106 | 21·60 | |
| | Total excluding Shahabad | 48,565,780 | 172,303 | 42·72 | 6,154 | 1·44 | 7,683 | 1·80 | 2,068 | ·48 | 89,578 | 22·08 | 3,360 | ·72 | 1,847 | ·36 | 1,358 | ·24 | 24,555 | 6·00 | 136,323 | 33·60 | 153,162 | 37·56 | |
| | Average of corresponding month of previous five years ... ... ... | | 167,767 | 41·40 | 13,774 | 3·36 | 2,607 | ·60 | 19,963 | 4·92 | 82,269 | 20·28 | 4,170 | ·96 | 1,183 | ·24 | 1,179 | ·24 | 26,991 | 6·60 | 152,162 | 37·56 | | | |
| | Difference + or − ... | | +5,436 | +1·32 | −7,620 | −1·92 | +5,076 | +1·20 | −17,895 | −4·44 | +7,309 | +1·80 | −810 | −·24 | +359 | +·12 | +179 | Equal | −2,436 | −·60 | −15,839 | −3·96 | | | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 15th May 1909.*

F. C. CLARKSON, LIEUT.-COL. I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of March 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | 1. Burdwan | 35,896 | 17 | 5·76 | 14 | 4·68 | 10 | 3·36 | ... | ... | 36 | 11·88 | 2 | ·60 | 1 | ·24 | 3 | ·96 | 9 | 3·00 | 74 | 25·08 | 100 | 33·96 | |
| Bank a | 2. Bankura | 20,757 | 30 | 17·28 | 1 | ·48 | ... | ... | ... | ... | 17 | 9·72 | 2 | 1·08 | ... | ... | ... | ... | 7 | 3·96 | 27 | 15·60 | 32 | 18·48 | |
| Midnapore | 3. Midnapore | 33,140 | 68 | 23·88 | 5 | 1·80 | 10 | 3·60 | ... | ... | 35 | 12·60 | 5 | 1·80 | 1 | ·36 | ... | ... | 9 | 3·96 | 67 | 24·24 | 112 | 40·41 | |
| Hooghly | 4. Hooghly and Chinsura | 29,353 | 69 | 28·08 | 74 | 30·12 | 9 | 3·60 | ... | ... | 35 | 14·28 | 8 | 3·24 | 6 | 2·40 | 3 | 1·20 | 9 | 3·60 | 144 | 58·80 | 132 | 53·88 | |
| | 5. Serampore | 44,451 | 72 | 19·32 | 13 | 3·48 | 17 | 4·56 | ... | ... | 60 | 13·44 | 25 | 6·72 | 1 | ·24 | 2 | ·48 | 18 | 4·80 | 126 | 33·96 | 111 | 29·88 | |
| Howrah | 6. Howrah | 157,594 | 341 | 25·92 | 229 | 17·40 | 322 | 24·36 | ... | ... | 333 | 25·08 | 55 | 4·08 | 33 | 2·40 | 26 | 1·92 | 101 | 7·56 | 1,096 | 83·40 | 663 | 50·76 | |
| 24-Parganas | 7. Cossipore-Chitpur | 40,750 | 48 | 14·04 | 3 | ·84 | 8 | 2·28 | ... | ... | 7 | 2·04 | 4 | 1·08 | ... | ... | ... | ... | 6 | 1·68 | 28 | 8·16 | 35 | 10·20 | |
| | 8. Manikta la | 32,387 | 61 | 22·56 | 24 | 8·88 | 10 | 3·72 | ... | ... | 40 | 14·64 | 6 | 2·16 | 31 | 11·40 | ... | ... | 43 | 15·84 | 251 | 92·72 | 37 | 13·68 | |
| | 9. South Suburban | 26,374 | 84 | 38·16 | 16 | 4·44 | 7 | 3·12 | ... | ... | 36 | 16·32 | 4 | 1·80 | 3 | 1·32 | 2 | ·84 | 5 | 2·16 | 67 | 30·48 | 68 | 30·00 | |
| | 10. Garden Reach | 26,911 | 56 | 36·48 | 6 | 2·52 | 5 | 13·56 | ... | ... | 29 | 8·40 | 8 | 3·36 | 4 | 1·68 | 4 | 1·68 | 8 | 3·36 | 82 | 34·80 | 67 | 19·92 | |
| | 11. Baranagore | 35,434 | 32 | 15·00 | 5 | 2·28 | 16 | 7·44 | ... | ... | 8 | 3·72 | 1 | ·36 | 2 | ·84 | 1 | ·36 | 9 | 4·20 | 42 | 19·80 | 56 | 26·40 | |
| | 12. Bhatpara | 21,540 | 53 | 29·52 | 3 | 1·56 | 5 | 2·76 | ... | ... | 13 | 7·30 | 9 | 4·92 | 1 | ·48 | 1 | ·48 | 3 | 1·56 | 35 | 19·44 | 54 | 30·00 | |
| Calcutta | 13. Calcutta | 647,796 | 1,650 | 23·28 | 489 | 6·84 | 1,521 | 21·48 | 345 | 4·80 | 291 | 4·08 | 140 | 1·92 | 478 | 6·72 | 33 | ·48 | 794 | 11·16 | 4,095 | 57·96 | 3,539 | 50·04 | |
| Nadia | 14. Krishnagar | 24,547 | 44 | 21·48 | 5 | 1·44 | 5 | 2·40 | ... | ... | 25 | 11·16 | ... | ... | 1 | ·48 | ... | ... | 8 | 3·84 | 40 | 19·44 | 66 | 32·16 | |
| | 15. Santipur | 26,898 | 139 | 57·96 | 13 | 5·76 | 12 | 5·40 | ... | ... | 38 | 16·92 | 1 | ·36 | 1 | ·36 | 1 | ·36 | 18 | 7·92 | 91 | 40·56 | 89 | 39·60 | |
| Murshidabad | 16. Berhampore | 24,397 | 58 | 28·44 | ... | ... | 1 | ·48 | ... | ... | 35 | 17·16 | ... | ... | ... | ... | ... | ... | 6 | 2·88 | 42 | 20·64 | 72 | 35·40 | |
| Patna | 17. Patna City | 123,091 | 319 | 31·08 | 10 | ·96 | 51 | 7·80 | ... | ... | 102 | 9·84 | 12 | 1·08 | 21 | 2·04 | 2 | ·12 | 103 | 9·96 | 331 | 32·16 | 1,080 | 105·24 | |
| | 18. Bihar | 45,063 | 60 | 15·72 | ... | ... | ... | ... | 1 | ·24 | 18 | 3·96 | 4 | ·96 | 4 | ·96 | 3 | ·72 | 16 | 4·20 | 43 | 11·40 | 214 | 56·88 | |
| | 19. Dinapore Nizamut | 33,622 | 56 | 19·92 | ... | ... | 3 | ·96 | ... | ... | 8 | 2·76 | 1 | ·24 | 2 | ·60 | 2 | ·60 | 7 | 2·40 | 28 | 8·16 | 157 | 45·72 | |
| Gaya | 20. Gaya | 71,416 | 143 | 24·00 | 45 | 7·56 | 6 | ·96 | ... | ... | 118 | 19·[illegible] | 16 | 2·64 | 7 | 1·08 | 13 | 2·16 | 30 | 5·04 | 235 | 39·48 | 1,096 | 184·08 | |
| Shahabad | 21. Arrah | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22. Sasaram | | | | | | | | | | | | | | | | | | | | | | | | |
| Saran | 23. Chapra | 45,901 | 127 | 33·12 | ... | ... | ... | ... | ... | ... | 25 | 6·48 | 3 | ·72 | 9 | 2·28 | 3 | ·72 | 31 | 8·04 | 71 | 18·48 | 368 | 96·12 | |
| Champaran | 24. Bettiah | 24,696 | 68 | 33·00 | ... | ... | 1 | ·48 | ... | ... | 21 | 10·20 | 1 | ·48 | 2 | ·96 | ... | ... | 5 | 2·40 | 30 | 14·52 | 46 | 22·39 | |
| Muzaffarpur | 25. Muzaffarpur | 45,617 | 124 | 32·52 | 1 | ·24 | 7 | 1·80 | ... | ... | 42 | 11·04 | 7 | 1·80 | 11 | 2·88 | 5 | 1·20 | 36 | 9·48 | 109 | 28·56 | 224 | 58·92 | |
| | 26. Hajipur | 21,398 | 62 | 34·68 | ... | ... | ... | ... | ... | ... | 8 | 4·44 | 3 | 1·56 | ... | ... | ... | ... | 33 | 18·48 | 44 | 24·60 | 282 | 158·04 | |
| Darbhanga | 27. Darbhanga | 66,244 | 216 | 48·12 | ... | ... | ... | ... | ... | ... | 65 | 11·76 | 4 | ·72 | ... | ... | 1 | ·12 | 129 | 23·28 | 199 | 36·00 | 485 | 87·84 | |
| Monghyr | 28. Monghyr | 35,859 | 144 | 48·12 | ... | ... | 18 | 6·00 | 133 | 44·40 | 33 | 10·92 | 5 | 1·56 | 1 | ·24 | 1 | ·24 | ... | ... | 191 | 63·84 | 372 | 124·39 | |
| Bhagalpur | 29. Bhagalpur | 75,700 | 122 | 19·32 | ... | ... | 6 | ·84 | ... | ... | 59 | 9·24 | 9 | 1·32 | 3 | ·36 | 5 | ·72 | 7 | 1·08 | 89 | 14·04 | 419 | 66·36 | |
| Cuttack | 30. Cuttack | 51,964 | [illegible] | 18·60 | ... | ... | 1 | ·12 | ... | ... | 43 | 9·96 | 5 | 1·08 | 3 | ·60 | ... | ... | 24 | 5·52 | 76 | 17·64 | 127 | 29·64 | |
| Balasore | 31. Balasore | 21,880 | 24 | 13·68 | 1 | ·48 | ... | ... | ... | ... | 1 | ·48 | 3 | 1·68 | ... | ... | ... | ... | 7 | 3·96 | 12 | 6·84 | 50 | 28·68 | |
| Puri | 32. Puri | 41,724 | 39 | 8·64 | 52 | 12·36 | 4 | ·96 | ... | ... | 46 | 11·64 | 12 | 2·88 | 14 | 3·36 | ... | ... | 23 | 5·52 | 152 | 36·96 | 117 | 28·44 | |
| Ranchi | 33. Ranchi | 23,810 | 57 | 28·68 | ... | ... | 3 | 1·44 | ... | ... | 15 | 7·44 | 3 | 1·44 | ... | ... | ... | ... | 16 | 8·04 | 57 | 18·60 | 25 | 12·48 | |
| | Total of all towns, excluding Arrah and Sasaram, with a population of 20,000 and over ... | 2,153,756 | 4,722 | 25·20 | 1,000 | 5·52 | 2,219 | 12·36 | 479 | 2·64 | 1,619 | 9·00 | 358 | 1·92 | 646 | 3·48 | 116 | ·60 | 1,521 | 8·40 | 7,961 | 44·28 | 10,258 | 57·12 | |
| | Average of corresponding month of previous five years ... | ... | 4,112 | 22·92 | 730 | 3·96 | 399 | 2·16 | 3,974 | 22·20 | 1,958 | 10·50 | 594 | 3·24 | 480 | 2·64 | 108 | ·60 | 2,008 | 11·16 | 10,258 | 57·12 | ... | ... | |
| | Difference + or − | ..... | +610 | +2·28 | +270 | +1·56 | +1,818 | +10·20 | −3,505 | −19·56 | −336 | −1·80 | −236 | −1·32 | +166 | +·84 | +8 | Equal | −487 | −2·76 | −2,307 | −12·84 | ... | ... | |

Return not received in spite of repeated reminders.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 15th May 1909*

F. C CLARKSON, LIEUT-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 9th to 15th May 1909**

| Month. | Date | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure Barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches | |
| May | 9th | 148·2 | 10·9 | 29·652 | 88·5 | 98·0 | 18·4 | 79·6 | 81·0 | 0·958 | 77·9 | 73 | SW by W and SSW. | 187 | Nil | Chiefly clear. |
| " | 10th | 146·1 | 10·7 | ·657 | 89·0 | 97·4 | 16·2 | 81·2 | 81·0 | ·948 | 77·6 | 70 | SW and SSW ... | 210 | Nil | Chiefly clear.. |
| " | 11th | 144·8 | 10·5 | ·647 | 88·0 | 95·7 | 14·8 | 80·9 | 80·8 | ·960 | 78·0 | 75 | SW and SSW ... | 233 | Nil | Chiefly clear. |
| " | 12th | 145·1 | 10·5 | ·657 | 87·9 | 95·8 | 15·2 | 80·6 | 80·1 | ·943 | 77·4 | 74 | SSW and SW by S | 228 | Nil | Chiefly clear. |
| " | 13th | 147·4 | 10·5 | ·617 | 87·4 | 95·2 | 15·0 | 80·2 | 79·1 | ·883 | 75·5 | 70 | SSW and S ... | 170 | Nil | Chiefly clear. |
| " | 14th | 152·5 | 9·8 | ·679 | 88·1 | 96·7 | 16·7 | 80·0 | 79·2 | ·884 | 75·5 | 70 | SSE, S and SSW | 163 | Nil | Partially cloudy, ∞. d, p, ⚡, t, <. |
| " | 15th | 148·6 | 9·4 | ·611 | 84·6 | 96·6 | 23·4 | 73·2 | 76·9 | ·829 | 73·6 | 72 | SSE, S and variable | 139 | 0·33 | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·634 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·680 |
| | Hours |
| The total number of hours of bright sunshine ... ... ... | 72·3 |
| The maximum possible number of hours of sunshine ... ... ... | 91·8 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 87·6 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 85·9 |
| The extreme variation of temperature ... ... ... ... | 24·8 |
| The maximum temperature ... ... ... ... | 98·0 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 23 |
| | % |
| The mean relative humidity ... ... ... ... ... | 72 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 73 |
| | Inches. |
| The total fall of rain from 9th to 15th May 1909 ... ... | 0·33 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·93 |
| The total fall from 1st January to 15th May 1909 ... ... ... | 7·48 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... ... | 6·79 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

∞, dust storm; d, drizzling rain; p, passing temporary showers; t, thunder; <, lighting; ⚡, strong wind.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 17th May 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 1st May 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 516,163 | (a) 4,08,679 0 0 | 72,86,010 0 | 11,86,326 0 0 | 46,525 0 0 | 16,41,530 0 0 | 165,980 | 227,350 | 393,219 |
| Or per mile of railway ... | ..... | 178 4 5 | ..... | 517 8 2 | 20 4 0 | 716 1 4 | ..... | ..... | ..... |
| For previous 16¾ weeks of half-year | 8,746,768 | 77,34,120 0 0 | 11,32,53,586 0 | 1,86,67,111 0 0 | 7,37,427 0 0 | 2,71,36,658 0 0 | 2,709,824 | 3,549,493 | 6,259,317 |
| Total for 17¾ weeks ... | 9,262,931 | 81,42,799 0 0 | 12,05,39,596 0 | 1,98,53,437 0 0 | 7,81,952 0 0 | 2,87,78,188 0 0 | 2,875,713 | 3,776,823 | 6,652,536 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 585,952 | 5,15,464 4 4 | 71,40,893 30 | 11,66,724 10 11 | 36,720 7 7 | 17,18,909 6 10 | 159,655 | 223,677 | 383,332 |
| Per mile of railway corresponding week of previous year. | ..... | 225 6 2 | ..... | 510 2 3 | 16 0 11 | 751 9 4 | ..... | ..... | ..... |
| Total for corresponding 15¾ weeks of previous year. | 9,548,475 | 89,10,255 5 9 | 12,91,05,284 10 | 2,04,97,775 14 3 | 7,23,979 0 6 | 3,01,32,009 4 6 | 2,841,459 | 4,029,731 | 6,871,190 |

(a) Decrease is due to less movements of all classes of passengers this week.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,319,028 | 20,57,070 | 3,02,58,230 | 49,14,237 | 2,17,919 | 71,89,196 | 3,136 | 1,677,717 | 4 4 7 |
| *2,292·37 | ,, ,, Feb. ... | 2,237,891 | 19,60,811 | 2,76,53,878 | 41,01,553 | 1,90,929 | 67,53,293 | 2,946 | 1,540,808 | 4 6 2 |
| 2,292·37 | First 6 days of Mar. ... | 490,850 | 4,90,1 5 | 60,16,685 | 10,[illegible],357 | 39,086 | 15,48,078 | 675 | 383,155 | 4 10 4 |
| 2,292·37 | Week ended 13th ,, ... | 567,310 | 5,14,413 | 71,31,094 | 11,[illegible],505 | 35,534 | 16,66,454 | 727 | 387,668 | 4 4 9 |
| 2,292·37 | ,, ,, 20th ,, ... | 531,252 | 4,93,555 | 68,82,816 | 11,38,811 | 35,536 | 16,68,402 | 728 | 386,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 527,223 | 4,84,702 | 69,56,271 | 10,80,218 | 42,474 | 16,[illegible],364 | 705 | 381,653 | 4 3 9 |
| 2,292·37 | ,, ,, 3rd Apl. ... | 551,745 | 4,74,888 | 72,30,065 | 11,74,510 | 42,[illegible] | 16,91,932 | 738 | 389,321 | 4 5 6 |
| 2,292·37 | ,, ,, 10th ,, ... | 511,002 | 4,59,026 | 73,85,907 | 12,15,520 | 42,474 | 17,17,020 | 749 | 389,389 | 4 6 7 |
| 2,292·37 | ,, ,, 17th ,, ... | 503,789 | 3,99,482 | 67,04,590 | 11,44,982 | 42,474 | 15,86,938 | 692 | 384,025 | 4 2 1 |
| 2,292·37 | ,, ,, 24th ,, ... | 512,908 | 4,09,678 | 73,27,150 | 12,12,948 | 46,525 | 16,99,151 | 741 | 389,318 | 4 5 10 |
| 2,292·37 | ,, ,, 1st May ... | 516,163 | 4,08,679 | 72,86,010 | 11,86,326 | 46,525 | 16,41,530 | 716 | 393,219 | 4 2 10 |
| | Totals up to date ... | 9,262,931 | 81,42,799 | 12,05,39,596 | 1,98,53,437 | 7,81,952 | 2,87,78,188 | 726 | 6,652,536 | 4 5 3 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,641 | 20,92,534 | 3,18,38,828 | 50,53,727 | 1,75,350 | 73,21,611 | 3,201 | 1,682,116 | 4 5 8 |
| 2,287·05 | ,, ,, ,, Feb. ... | 2,421,323 | 23,30,586 | 3,03,94,003 | 50,90,001 | 1,81,978 | 76,[illegible],565 | 3,327 | 1,647,207 | 4 10 7 |
| 2,287·05 | Week ended 7th Mar. ... | 622,809 | 5,44,039 | 73,05,192 | 11,25,979 | 43,982 | 17,14,000 | 750 | 388,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 508,470 | 5,44,734 | 77,15,217 | 10,78,964 | 34,757 | 16,58,454 | 725 | 378,612 | 4 6 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,34,610 | 74,70,846 | 11,14,138 | 40,626 | 15,89,374 | 695 | 394,366 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,075 | 5,15,017 | 83,92,115 | 12,84,537 | 39,655 | 18,39,239 | 804 | 408,375 | 4 8 1 |
| 2,287·05 | ,, ,, 4th Apl. ... | 500,984 | 4,78,644 | 72,47,146 | 11,38,395 | 41,244 | 16,58,283 | 725 | 400,507 | 4 2 3 |
| 2,287·05 | ,, ,, 11th ,, ... | 535,498 | 4,68,863 | 70,20,325 | 11,48,150 | 44,801 | 16,51,814 | 722 | 401,209 | 4 1 10 |
| 2,287·05 | ,, ,, 18th ,, ... | 564,435 | 4,75,875 | 69,77,157 | 11,24,125 | 44,489 | 16,44,489 | 719 | 407,989 | 4 0 6 |
| 2,287·05 | ,, ,, 25th ,, ... | 568,033 | 4,88,960 | 75,18,[illegible]62 | 11,73,0[illegible]5 | 40,476 | 17,02,471 | 744 | 389,303 | 4 6 10 |
| 2,287·05 | ,, ,, 2nd May ... | 585,952 | 5,15,464 | 71,40,893 | 11,66,724 | 36,721 | 17,18,909 | 752 | 383,332 | 4 7 [illegible] |
| | Totals up to date ... | 9,548,475 | 89,10,255 | 12,91,05,284 | 2,04,97,775 | 7,23,979 | 3,01,32,009 | 759 | 6,871,190 | 4 6 2 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 1st May 1909, on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 23,494 | 5,040 0 0 | 19,718 0 | 772 0 0 | 4 0 0 | 5,816 0 0 | 1,357 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 226 14 9 | ... | 34 12 2 | 0 2 11 | 261 13 10 | ... | ... | ... |
| For previous 16¾ weeks of half-year | 487,848 | 1,16,018 0 0 | 4,24,800 0 | 13,974 0 0 | 121 0 0 | 1,30,113 0 0 | 22,586 | 2,698 | 25,284 |
| Total for 17¾ weeks ... | 511,342 | 1,21,058 0 0 | 4,44,518 0 | 14,746 0 0 | 125 0 0 | 1,35,929 0 0 | 23,923 | 2,857 | 26,780 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 23,613 | 5,307 11 11 | 18,227 0 | 701 13 0 | 7 5 0 | 6,076 13 11 | 1,342 | 154 | 1,496 |
| Per mile of railway corresponding week of previous year ... ... | ... | 241 7 5 | ... | 31 9 2 | 0 5 3 | 273 5 10 | ... | ... | ... |
| Total for corresponding 17¾ weeks of previous year ... ... ... | 568,436 | 1,43,348 1 2 | 4,27,634 30 | 15,451 4 0 | 141 11 9 | 1,58,941 0 11 | 24,951 | 2,641 | 27,592 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| 1909. Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. ... | 105,932 | 24,217 | 1,08,7[illegible] | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 9 |
| *22·21 | ,, ,, of Feb. ... | 134,819 | 32,173 | 1,11,[illegible]2 | 1,018 | 36 | 34,227 | 1,631 | 6,383 | 5 10 10 |
| 22·21 | First 6 days of March ... | 25,0[illegible] | 7,323 | 1,[illegible]053 | 811 | 8 | 8,145 | 367 | 1,320 | 6 2 9 |
| 22 21 | Week ended 13th ,, ... | 31,13[illegible] | 6,7[illegible]5 | 29,182 | 1,010 | 11 | 7,746 | 349 | 1,496 | 5 2 10 |
| 22·21 | ,, ,, 20th ,, .. | 28,049 | 6,086 | 31,911 | 1,332 | 11 | 7,419 | 334 | 1,496 | 4 15 4 |
| 22·21 | ,, ,, 27th ,, ... | 26,641 | 5,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| 22·21 | ,, ,, 3rd April ... | 27,470 | 7,115 | 25,230 | 1,066 | 6 | 8,187 | 369 | 1,496 | 5 7 7 |
| 22·21 | ,, ,, 10th ,, ... | 33,624 | 6,847 | 17,293 | 1,173 | 6 | 8,026 | 361 | 1,518 | 5 4 7 |
| 22·21 | ,, ,, 17th ,, ... | 47,599 | 13,548 | 21,760 | 820 | 6 | 14,374 | 647 | 1,892 | 7 9 7 |
| 22 21 | ,, ,, 24th ,, ... | 27,021 | 6,387 | 25,415 | 1,073 | 4 | 7,4[illegible]4 | 336 | 1,496 | 4 15 10 |
| 22·21 | ,, ,, 1st May ... | 23,494 | 5,040 | 19,718 | 772 | 4 | 5,816 | 262 | 1,4[illegible] | 3 14 2 |
| | Totals up to date .. | 5,11,342 | 1,21,058 | 4,44,518 | 14,746 | 125 | 1,3[illegible],929 | 354 | 26,780 | 5 1 3 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. ... | 111,387 | 26,544 | 85,503 | 3,136 | 30 | 29,710 | 1,336 | 6,900 | 4 4 11 |
| 22·23 | ,, ,, Feb. ... | 150,095 | 38,193 | 1,33,692 | 4,102 | 33 | 42,328 | 1,904 | 6,768 | 6 4 1 |
| 22·23 | Week ended 7th March .. | 52,829 | 14,739 | 15,153 | 676 | 6 | 15,421 | 694 | 1,886 | 8 2 10 |
| 22·23 | ,, ,, 14th ,, ... | 29,794 | 6,578 | 28,907 | 965 | 8 | 7,651 | 340 | 1,276 | 5 14 8 |
| 22·23 | ,, ,, 21st ,, ... | 29,738 | 7,049 | 28,701 | 1,202 | 11 | 8,262 | 372 | 1,430 | 5 13 5 |
| 22·23 | ,, ,, 28th ,, ... | 24,593 | 5,588 | 28,965 | 1,129 | 11 | 6,728 | 303 | 1,563 | 4 4 11 |
| 22·23 | ,, ,, 4th April ... | 29,495 | 7,792 | 30,513 | 1,226 | 9 | 9,027 | 406 | 1,502 | 6 0 2 |
| 22·23 | ,, ,, 11th ,, ... | 43,643 | 12,144 | 24,890 | 1,005 | 11 | 13,160 | 592 | 1,540 | 8 8 9 |
| 22·23 | ,, ,, 18th ,, ... | 49,563 | 14,037 | 16,915 | 1,039 | 9 | 14,076 | 660 | 1,738 | 8 7 3 |
| 22·23 | ,, ,, 25th ,, ... | 23,086 | 5,316 | 17,109 | 678 | 7 | 6,001 | 270 | 1,496 | 4 0 2 |
| 22 23 | ,, ,, 2nd May ... | 23,613 | 5,3[illegible]8 | 18,227 | 702 | 7 | 6,077 | 273 | 1,496 | 4 1 0 |
| | Totals up to date ... | 568,436 | 1,43,348 | 4,27,635 | 15,451 | 142 | 1,58,941 | 407 | 27,592 | 5 12 2 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for week ended 1st May 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 28,524 | 21,489 0 0 | 3,24,445 0 | 20,179 0 0 | 38 0 0 | 41,706 0 0 | 12,141 | 5,431 | 17,572 |
| Or per mile of railway ... ... | ..... | 132 5 8 | ..... | 124 4 7 | 0 3 9 | 256 14 0 | ... | ... | ..... |
| For previous 16¾ weeks of half-year | 434,592 | 3,34,863 0 0 | 47,08,560 0 | 3,21,239 0 0 | 737 0 0 | 6,56,838 0 0 | 197,614 | 86,832 | 284,446 |
| Total for 17¾ weeks ... | 463,116 | 3,56,351 0 0 | 50,33,005 0 | 3,41,418 0 0 | 775 0 0 | 6,98,544 0 0 | 209,755 | 92,263 | 302,018 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 34,400 | 25,613 15 3 | 2,52,841 30 | 19,280 3 10 | 51 12 6 | 44,945 15 7 | 11,777 | 6,194 | 17,971 |
| Per mile of railway corresponding week of previous year. | ..... | 157 12 2 | ..... | 118 12 0 | 0 5 1 | 276 13 3 | ..... | ..... | ..... |
| Total for corresponding 17¾ weeks of previous year. | 509,295 | 3,67,659 7 1 | 48,44,326 10 | 3,58,853 3 10 | 1,011 13 6 | 7,27,524 8 5 | 206,302 | 100,763 | 307,065 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. ... | 94,754 | 67,058 | 11,05,995 | 68,196 | 221 | 1,35,475 | 834 | 75,343 | 1 12 9 |
| *162·36 | ,, ,, of Feb. ... | 98,78[illegible] | 78,959 | 12,05,624 | 78,711 | 190 | 1,57,860 | 972 | 70,571 | 2 3 [illegible] |
| 162·36 | First 6 days of March | 27,070 | 18,953 | 2,65,473 | 18,574 | 34 | 37,561 | 231 | 14,858 | 2 8 5 |
| 162·36 | Week ended 13th ,, ... | 29,065 | 24,314 | 3,91,583 | 22,888 | 43 | 47,245 | 291 | 16,743 | 2 13 2 |
| 162·36 | ,, ,, 20th ,, ... | 32,976 | 24,893 | 3,20,793 | 22,273 | 43 | 47,209 | 291 | 18,300 | 2 10 8 |
| 162·36 | ,, ,, 27th ,, ... | 32,422 | 27,926 | 2,88,869 | 21,7[illegible] | 42 | 49,686 | 306 | 18,175 | 2 11 9 |
| 162·36 | ,, ,, 3rd April ... | 31,988 | 25,083 | 3,26,939 | 22,820 | 42 | 47,945 | 295 | 17,515 | 2 11 10 |
| 162·36 | ,, ,, 10th ,, ... | 31,3[illegible]5 | 24,211 | 2,78,398 | 21,802 | 42 | 46,055 | 284 | 17,18[illegible] | 2 10 2 |
| 162·36 | ,, ,, 17th ,, ... | 27,879 | 24,194 | 2,97,365 | 24,019 | 42 | 46,255 | 279 | 17,896 | 2 8 6 |
| 162·36 | ,, ,, 24th ,, ... | 27,548 | 21,274 | 2,87,521 | 19,538 | 32 | 40,847 | 253 | 17,506 | 2 5 4 |
| 162·36 | ,, ,, 1st May ... | 28,524 | 21,489 | 3,24,445 | 20,179 | 38 | 41,706 | 257 | 17,572 | 2 5 0 |
| | Totals up to date ... | 4,63,116 | 3,56,351 | 50,33,005 | 3,41,418 | 775 | 6,98,544 | 249 | 302,018 | 2 5 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 106,457 | 69,564 | 11,46,304 | 78,637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | ,, ,, of Feb. ... | 112,856 | 77,599 | 10,88,017 | 81,860 | 211 | 1,59,270 | 981 | 70,056 | 2 4 5 |
| 162·36 | Week ended 7th March... | 30,611 | 19,722 | 2,91,091 | 23,694 | 52 | 43,468 | 268 | 16,926 | 2 [illegible] 1 |
| 162·36 | ,, ,, 14th ,, ... | 31,309 | 21,962 | 2,96,264 | 20,569 | 47 | 42,578 | 262 | 17,542 | 2 [illegible] 10 |
| 162·36 | ,, ,, 21st ,, ... | 30,501 | 22,680 | 2,93,851 | 22,085 | 55 | 44,830 | 276 | 17,748 | 2 8 5 |
| 162·36 | ,, ,, 28th ,, ... | 31,870 | 26,489 | 2,39,473 | 17,143 | 60 | 43,692 | 269 | 17,639 | 2 7 8 |
| 162·36 | ,, ,, 4th April ... | 37,359 | 31,846 | 4,43,419 | 36,913 | 94 | 68,753 | 423 | 18,882 | 3 10 5 |
| 162·36 | ,, ,, 11th ,, ... | 34,671 | 25,701 | 1,70,713 | 12,677 | 73 | 38,456 | 237 | 18,710 | 2 0 11 |
| 162·36 | ,, ,, 18th ,, ... | 29,327 | 22,672 | 3,06,290 | 34,020 | 59 | 46,731 | 288 | 18,577 | 2 5 3 |
| 162·36 | ,, ,, 25th ,, ... | 30,934 | 24,010 | 3,16,084 | 22,275 | 57 | 46,342 | 285 | 17,561 | 2 10 3 |
| 162·36 | ,, ,, 2nd May ... | 34,400 | 25,014 | 2,32,841 | 19,280 | 51 | 44,945 | 277 | 17,971 | 2 8 0 |
| | Totals up to date ... | 509,295 | 3,67,659 | 48,44,326 | 3,58,853 | 1,012 | 7,27,524 | 255 | 307,065 | 2 [illegible] 11 |

* Audited figures.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 8th May 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 545,884 | (a)4,44,993 0 0 | 72,04,373 0 | 12,20,820 0 0 | 46,525 0 0 | 17,12,338 0 0 | 166,953 | 219,219 | 386,172 |
| Or per mile of railway ... ... | .. | 194 1 11 | ... | 532 8 11 | 20 4 0 | 746 15 7 | ... | ... | .. |
| For previous 17½ weeks of half-year | 9,262,931 | 81,42,799 0 0 | 12,05,30,596 0 | 1,98,53,437 0 0 | 7,81,952 0 0 | 2,87,78,188 0 0 | 2,875,713 | 3,776,823 | 6,652,536 |
| Total for 18¼ weeks ... | 9,808,815 | 85,87,792 0 0 | 12,78,33,969 0 | 2,10,74,257 0 0 | 8,28,477 0 0 | 3,04,90,526 0 0 | 3,042,666 | 3,996,042 | 7,038,708 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... .. | 651,106 | 5,20,184 4 6 | 77,03,573 20 | 12,32,858 10 9 | 42,015 5 4 | 17,95,058 4 7 | 100,835 | 227,369 | 388,204 |
| Per mile of railway corresponding week of previous year ... .. | ... | 227 7 2 | ... | 530 1 0 | 18 5 11 | 784 14 1 | ... | ... | .. |
| Total for corresponding 18¼ weeks of previous year ... ... ... | 10,199,581 | 94,30,438 10 3 | 13,68,98,857 30 | 2,17,30,634 9 0 | 7,65,994 5 10 | 3,19,27,067 9 1 | 3,002,294 | 4,257,100 | 7,259,394 |

(a) Decrease is due to greater movements of marriage parties and pilgrims in the corresponding period of 1908.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,312,028 | 20,57,070 | 3,02,58,2[illegible] | 49,14,207 | 2,17,919 | 71,89,196 | 3,136 | 1,077,717 | 4 4 7 |
| *2,292·37 | ,, ,, Feb. .. | 2,237,891 | 19,69,811 | 2,76,53,[illegible] | 46,01,553 | 1,90,929 | 67,53,295 | 2,946 | 1,543,908 | 4 6 2 |
| 2,292·37 | First 6 days of March ... | 490,839 | 4,80,135 | 60,1[illegible]85 | 10,28,857 | 30,086 | 15,48,078 | 675 | 363,155 | 4 10 4 |
| 2,292·37 | Week ended 13th ,, ... | 567,410 | 5,14,413 | 71,[illegible]04 | 11,16,505 | 35,536 | 16,66,454 | 727 | 387,968 | 4 4 9 |
| 2,292·37 | ,, ,, 20th ,, ... | 533,552 | 4,93,955 | 6[illegible]2,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 380,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 524,[illegible]23 | 4,84,703 | [illegible]58,271 | 10,89,218 | 42,474 | 16,16,394 | 705 | 381,653 | 4 3 9 |
| 2,292·37 | ,, ,, 3rd April ... | 551,748 | 4,74,848 | 72,36,065 | 11,74,510 | 42,474 | 16,91,832 | 738 | 389,321 | 4 5 6 |
| 2,292·37 | ,, ,, 10th ,, .. | 511,092 | 4,59,026 | 73,85,907 | 12,15,529 | 42,474 | 17,17,029 | 749 | 389,380 | 4 6 7 |
| 2,292·37 | ,, ,, 17th ,, | 503,789 | 3,91,482 | 87,04,590 | 11,44,982 | 42,474 | 15,86,938 | 692 | 384,025 | 4 2 1 |
| 2,292·37 | ,, ,, 24th ,, ... | 512,908 | 4,09,678 | 73,27,150 | 12,42,948 | 46,525 | 16,99,151 | 741 | 389,318 | 4 5 10 |
| 2,292·37 | ,, ,, 1st May ... | 516,167 | 4,08,671 | 74,26,010 | 11,86,3[illegible]6 | 46,525 | 16,41,630 | 716 | 393,219 | 4 2 10 |
| 2,292·37 | ,, ,, 8th ,, ... | 545,884 | 4,44,993 | 72,04,373 | 12,20,820 | 46,525 | 17,12,338 | 747 | 386,172 | 4 6 11 |
| | Totals up to date ... | 9,808,815 | 85,87,792 | 12,78,33,969 | 2,10,74,257 | 8,28,477 | 3,04,90,526 | 727 | 7,038,708 | 4 5 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,175,641 | 20,92,534 | 3,18,38,898 | 50,53,727 | 1,75,350 | 73,21,611 | 3,201 | 1,082,116 | 4 5 8 |
| 2,287·05 | ,, ,, Feb. ... | 2,421,324 | 23,60,586 | 3,03,94,[illegible] | 50,00,601 | 1,81,978 | 76,32,565 | 3,337 | 1,037,207 | 4 10 7 |
| 2,287·05 | Week ended 7th March ... | 629,809 | 5,44,939 | 73,9[illegible],19[illegible] | 11,27,979 | 43,982 | 17,14,900 | 750 | 388,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 568,430 | 5,44,733 | 77,15,2[illegible] | 10,78,9[illegible] | 34,757 | 16,58,454 | 725 | 378,443 | 4 6 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,34,610 | 74,40,8[illegible] | 11,14,198 | 40,526 | 15,89,374 | 695 | 393,366 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,075 | 5,15,047 | 83,92,115 | 12,84,5[illegible]7 | 39,055 | 18,34,239 | 804 | 408,375 | 4 8 1 |
| 2,287·05 | ,, ,, 4th April . | 500,984 | 4,78,644 | 72,47,1[illegible] | 11,98,3[illegible] | 41,244 | 16,58,283 | 725 | 400,507 | 4 2 3 |
| 2,287·05 | ,, ,, 11th ,, ... | 555,4[illegible] | 4,58,863 | 70,20,5[illegible] | 11,18,150 | 44,801 | 16,51,814 | 722 | 401,209 | 4 1 10 |
| 2,287·05 | ,, ,, 18th ,, ... | 564,475 | 4,75,875 | 69,77,1[illegible] | 11,24,125 | 44,489 | 16,44,489 | 719 | 407,989 | 4 0 6 |
| 2,287·05 | ,, ,, 25th ,, ... | 568,033 | 4,88,960 | 75,13,5[illegible] | 11,73,0[illegible] | 40,376 | 17,02,371 | 744 | 389,993 | 4 5 10 |
| 2,287·05 | ,, ,, 2nd May ... | 585,959 | 5,15,464 | 71,40,8[illegible] | 11,66,724 | 36,721 | 17,18,909 | 752 | 383,332 | 4 7 9 |
| 2,287·05 | ,, ,, 9th ,, ... | 651,106 | 5,20,184 | 77,03,574 | 12,32,859 | 42,015 | 17,95,058 | 785 | 388,204 | 4 10 0 |
| | Totals up to date ... | 10,199,581 | 94,30,439 | 13,68,98,858 | 2,17,30,631 | 7,65,994 | 3,19,27,067 | 752 | 7,259,394 | 4 6 4 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 8th May 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 25,857 | 6,648 0 0 | 19,932 0 | 734 0 0 | 4 0 0 | 7,386 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 299 5 2 | ..... | 33 0 9 | 0 2 11 | 332 8 10 | ..... | ..... | ..... |
| For previous 17½ weeks of half-year | 511,342 | 1,21,058 0 0 | 4,44,518 0 | 14,746 0 0 | 125 0 0 | 1,35,929 0 0 | 23,923 | 2,857 | 26,780 |
| Total for 18½ weeks ... | 537,199 | 1,27,706 0 0 | 4,64,450 0 | 15,480 0 0 | 129 0 0 | 1,43,315 0 0 | 25,260 | 3,016 | 28,276 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 26,949 | 6,954 11 1 | 16,749 0 | 502 2 0 | 14 1 0 | 7,560 14 1 | 1,342 | 154 | 1,496 |
| Per mile of railway corresponding week of previous year. | ..... | 312 13 8 | ..... | 26 10 2 | 0 10 1 | 340 1 11 | ..... | ..... | ..... |
| Total for corresponding 18½ weeks of previous year. | 595,385 | 1,50,302 12 3 | 4,44,383 30 | 16,013 6 0 | 155 12 9 | 1,66,501 15 0 | 26,293 | 2,795 | 29,088 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open in lease. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. .. | 105,932 | 24,217 | 1,08[illegible] | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 9 |
| *22·21 | ,, ,, Feb. ... | 134,849 | 32,173 | 1,11,0[illegible] | 4,018 | 36 | 36,227 | 1,631 | 6,383 | 5 10 10 |
| 22·21 | First 6 days of March ... | 25,531 | 7,327 | 17,95[illegible] | 811 | 8 | 8,145 | 367 | 1,320 | 6 2 9 |
| 22·21 | Week ended 13th ,, .. | 31,132 | 6,725 | 28,182 | 1,010 | 11 | 7,746 | 349 | 1,496 | 5 2 10 |
| 22·21 | ,, ,, 20th ,, . | 28,049 | 6,096 | 31,911 | 1,322 | 11 | 7,419 | 334 | 1,496 | 4 15 4 |
| 22·21 | ,, ,, 27th ,, . | 26,041 | 5,594 | 28,257 | 1,097 | 6 | 6,697 | 302 | 1,496 | 4 7 7 |
| 22·21 | ,, ,, 3rd April .. | 27,470 | 7,1[illegible]5 | 25,230 | 1,066 | 6 | 8,187 | 369 | 1,496 | 5 7 7 |
| 22·21 | ,, ,, 10th ,, ... | 33,624 | 6,847 | 27,293 | 1,173 | 6 | 8,026 | 361 | 1,518 | 5 4 7 |
| 22·21 | ,, ,, 17th ,, | 47,569 | 13,548 | 20,760 | 830 | 6 | 14,3[illegible]4 | 647 | 1,392 | 7 9 7 |
| 22·21 | ,, ,, 24th ,, ... | 27,021 | 6,387 | 25,415 | 1,078 | 4 | 7,464 | 336 | 1,496 | 4 15 10 |
| 22·21 | ,, ,, 1st May ... | 23,454 | 5,040 | 19,718 | 772 | 4 | 5,816 | 262 | 1,496 | 3 14 2 |
| 22·21 | ,, ,, 9th ,, .. | 25,857 | 6,648 | 19,932 | 734 | 4 | 7,386 | 333 | 1,496 | 4 12 0 |
| | Totals up to date .. | 537,199 | 1,27,706 | 4,64,450 | 15,480 | 129 | 1,43,315 | 353 | 28,276 | 5 1 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908*

| | | No. of passengers | Rs. | Mds. | Rs. | Rs | Rs. | Rs | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. ... | 111,387 | 26,844 | 85,503 | 3,146 | 30 | 29,710 | 1,353 | 6,901 | 4 4 11 |
| 22·23 | ,, ,, of Feb. ... | 150,095 | 38,133 | 1,33,692 | 4,102 | 33 | 42,268 | 1,904 | 6,768 | 6 4 1 |
| 22·23 | Week ended 7th March .. | 52,829 | 14,739 | 1[illegible]153 | 676 | 6 | 15,421 | 694 | 1,886 | 8 2 1[illegible] |
| 22·23 | ,, ,, 14th ,, ... | 21,794 | 6,578 | 28,067 | 965 | 8 | 7,551 | 340 | 1,276 | 5 14 8 |
| 22·23 | ,, ,, 21st ,, .. | 20,738 | 7,040 | 28,[illegible] | 1,202 | 11 | 8,262 | 372 | 1,430 | 5 12 [illegible] |
| 22·23 | ,, ,, 28th ,, ... | 24,594 | 6,588 | 2[illegible],065 | 1,129 | 11 | 6,728 | 303 | 1,5[illegible] | 4 4 11 |
| 22·23 | ,, ,, 4th April ... | 29,608 | 7,742 | 3[illegible],414 | 1,223 | 9 | 9,[illegible]27 | 403 | 1,502 | 6 0 2 |
| 22·23 | ,, ,, 11th ,, ... | 43,048 | 12,144 | 24,850 | 1,005 | 11 | 13,[illegible] | 592 | 1,541 | 8 8 2 |
| 22·23 | ,, ,, 18th ,, ... | 40,563 | 14,037 | 1[illegible]915 | 630 | 9 | 14,6[illegible] | 669 | 1,736 | 8 7 [illegible] |
| 22·23 | ,, ,, 25th ,, ... | 23,686 | 5,316 | 17,1[illegible] | 678 | 7 | 6,001 | 2[illegible]0 | 1,4[illegible] | 4 0 2 |
| 22·23 | ,, ,, 2nd May ... | 28,013 | 5,708 | 18,227 | 702 | 7 | 6,077 | 273 | 1,4[illegible] | 4 1 0 |
| 22·23 | ,, ,, 9th ,, ... | 26,949 | 6,955 | 16,749 | 502 | 14 | 7,551 | 34[illegible] | 1,496 | 5 0 10 |
| | Totals up to date ... | 595,385 | 1,50,303 | 4,44,384 | 16,013 | 156 | 1,66,[illegible]2 | 4[illegible]3 | 2[illegible],088 | [illegible] 6 1 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 8th May 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 27,818 | 20,572 0 0 | 2,68,306 0 | 19,250 0 0 | 38 0 0 | 39,860 0 0 | 12,166 | 5,242 | 17,408 |
| Or per mile of railway ... ... | .. | 126 11 4 | ... | 118 9 0 | 0 3 9 | 245 8 1 | .. | ... | ... |
| For previous 17¾ weeks of half-year. | 463,116 | 3,56,351 0 0 | 50,33,005 0 | 3,41,418 0 0 | 775 0 0 | 6,98,544 0 0 | 209,755 | 92,263 | 302,018 |
| Total for 18¾ weeks | 490,934 | 3,76,923 0 6 | 53,01,311 0 | 3,60,668 0 0 | 813 0 0 | 7,38,404 0 0 | 221,921 | 97,505 | 319,426 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 38,922 | 30,277 12 10 | 2,92,846 10 | 20,623 11 0 | 54 7 6 | 50,954 15 4 | 12,541 | 6,283 | 18,824 |
| Per mile of railway corresponding week of previous year ... | ... | 186 7 9 | ... | 127 0 2 | 0 5 6 | 313 13 5 | ... | ... | ... |
| Total for corresponding 18¾ weeks of previous year .. | 548,217 | 3,97,937 3 11 | 51,37,172 20 | 3,79,475 14 10 | 1,066 5 0 | 7,78,479 7 9 | 218,843 | 107,046 | 325,889 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. | 94,754 | 67,058 | 11,05,995 | 68,196 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| *162·36 | ,, ,, ,, Feb. .. | 98,785 | 78,959 | 12,05,624 | 78,711 | 190 | 1,57,860 | 972 | 70,571 | 2 3 9 |
| 162·36 | First 6 days of March ... | 27,070 | 18,953 | 2,65,473 | 18,574 | 34 | 37,561 | 231 | 14,858 | 2 8 5 |
| 162·36 | Week ended 13th ,, .. | 29,965 | 24,314 | 3,31,583 | 22,888 | 43 | 47,245 | 291 | 16,743 | 2 13 2 |
| 162·36 | ,, ,, 20th ,, ... | 32,976 | 24,893 | 3,20,7[illegible] | 23,073 | 43 | 48,009 | 301 | 18,350 | 2 10 8 |
| 162·36 | ,, ,, 27th ,, ... | 32,322[illegible] | 27,926 | 2,88,[illegible] | 21,718 | 42 | 49,686 | 306 | 18,173 | 2 11 9 |
| 162·36 | ,, ,, 3rd April ... | 31,982[illegible] | 25,083 | 3,2[illegible] | 22,820 | 42 | 47,945 | 295 | 17,515 | 2 11 10 |
| 162·36 | ,, ,, 10th ,, ... | 31,305 | 24,211 | 2[illegible],398 | 21,802 | 42 | 46,055 | 284 | 17,485 | 2 10 2 |
| 162·36 | ,, ,, 17th ,, ... | 27,879 | 22,194 | [illegible],365 | 23,019 | 42 | 45,255 | 279 | 17,896 | 2 8 6 |
| 162·36 | ,, ,, 24th ,, ... | 27,548 | 21,271 | 2,87,521 | 19,538 | 38 | 40,847 | 252 | 17,596 | 2 5 4 |
| 162·36 | ,, ,, 1st May ... | 28,524 | 21,189 | 3,24,445 | 20,179 | 38 | 41,706 | 257 | 17,578 | 2 6 0 |
| 162·36 | ,, ,, 8th ,, ... | 27,818 | 20,572 | 2,68,306 | 19,250 | 38 | 39,860 | 246 | 17,408 | 2 4 8 |
| | Totals up to date ... | 490,934 | 3,76,923 | 53,01,311 | 3,60,668 | 813 | 7,38,404 | 249 | 319,426 | 2 5 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 106,457 | 69,564 | 11,46,303 | 78,637 | 267 | 1,48,468 | 914 | 75,463 | 1 15 6 |
| 162·36 | ,, ,, ,, Feb. ... | 112,856 | 77,399 | 10,88,017 | 81,660 | 211 | 1,59,270 | 981 | 70,056 | 2 4 5 |
| 162·36 | Week ended 7th March... | 50,611 | 19,722 | 2,91,091 | 23,694 | 52 | 43,468 | 268 | 16,926 | 2 9 1 |
| 162·36 | ,, ,, 14th ,, ... | 31,309 | 21,962 | 2,98,264 | 20,569 | 47 | 42,578 | 262 | 17,542 | 2 6 10 |
| 162·36 | ,, ,, 21st ,, .. | 30,501 | 22,680 | 2,93,831 | 22,085 | 55 | 44,820 | 276 | 17,748 | 2 8 5 |
| 162·36 | ,, ,, 28th ,, . | 31,870 | 26,489 | 2,39,473 | 17,143 | 60 | 43,692 | 269 | 17,639 | 2 7 8 |
| 162·36 | ,, ,, 4th April ... | 37,359 | 31,846 | 4,43,419 | 36,813 | 94 | 68,753 | 423 | 18,882 | 3 10 3 |
| 162·36 | ,, ,, 11th ,, ... | 34,671 | 25,701 | 1,70,713 | 12,677 | 78 | 38,456 | 237 | 18,710 | 2 0 11 |
| 162·36 | ,, ,, 18th ,, ... | 29,327 | 22,672 | 3,06,290 | 24,020 | 39 | 46,731 | 288 | 18,577 | 2 8 3 |
| 162·36 | ,, ,, 25th ,, ... | 29,934 | 24,010 | 3,16,084 | 22,275 | 57 | 46,342 | 285 | 17,561 | 2 10 3 |
| 162·36 | ,, ,, 2nd May . | 34,400 | 25,614 | 2,52,841 | 19,280 | 52 | 44,946 | 277 | 17,971 | 2 8 0 |
| 162·36 | ,, ,, 9th ,, ... | 38,922 | 30,278 | 2,92,846 | 20,623 | 54 | 50,955 | 314 | 18,824 | 2 11 4 |
| | Totals up to date .. | 548,217 | 3,97,937 | 51,37,172 | 3,79,476 | 1,066 | 7,78,479 | 258 | 325,889 | 2 6 3 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 1st May 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 63,000 | 40,000 0 0 | 246,500 0 | 38,500 0 0 | 1,500 0 0 | 80,000 0 0 | 15,169 | 17,427 | 32,596 |
| Per mile of railway ... | 82·03 | 52·08 | 319·71 | 49·94 | 1·95 | 103·97 | 19·75 | 22·60 | 42·35 |
| For previous 17 weeks of half-year ... ... ... ... | 1,200,614 | 7,72,202 0 0 | 5,923,421 0 | 7,08,953 0 0 | 78,180 0 0 | 15,59,335 0 0 | 236,950 | 325,677 | 562,627 |
| Total for 18 weeks ... | 1,263,614 | 8,12,202 0 0 | 6,169,921 0 | 7,47,453 0 0 | 79,680 0 0 | 16,39,335 0 0 | 252,119 | 343,104 | 595,223 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 59,255 | 36,084 0 0 | 282,322 0 | 41,949 0 0 | 3,165 0 0 | 81,198 0 0 | 15,865 | 20,327 | 35,892 |
| Per mile of railway corresponding week of previous year ... | 77·15 | 46·98 | 366·18 | 54·41 | 4·11 | 105·50 | 20·27 | 26·36 | 46·63 |
| Total to corresponding date of previous year ... ... ... | 1,230,251 | 8,32,704 0 0 | 4,722,946 0 | 6,75,250 0 0 | 83,382 0 0 | 15,91,336 0 0 | 282,994 | 365,615 | 648,609 |

Financial Year.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 1st May 1909. | | | Receipts for week ending 2nd May 1908. | | | Total receipts from 1st April 1909 to 1st May 1909. | | | Total receipts from 1st April 1908 to 2nd May 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 80,000 | 103 97 | 771 | 81,198 | 105·50 | 771 | 3,79,716 | ... | 771 | 3,84,720 | .. | ... .. | 5,004 |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 1st May 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... | 352,430 | 1,36,970 | 1,450,850 | 2,16,650 | 31,180 | 3,84,800 | 58 623 | (c)50,927 | 109,550 |
| Per mile of railway | 188·47 | 73·25 | 775 86 | 115 86 | 16·67 | 205 78 | ..... | ..... | ... .. |
| For previous 16¾ weeks of half-year (d) .. ... .. | 5,412,618 | 22,55,498 | 20,362,096 | 29,52,599 | 4,40,863 | 56,48,960 | 935,150 | 807,737 | 1,742,887 |
| Total for 17¾ weeks ... | 5,765,048 | 23,92,468 | 21,812,946 | 31,69,249 | 4,72,043 | 60,33,760 | 993,773 | 858,664 | 1,852,437 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open .. .. | 387,848 | 1,53,303 | 1,220,553 | 1,69,321 | 30,182 | 3,52,806 | 60,674 | (e)42,469 | 103,14. |
| Per mile of corresponding week of previous year ... ... | 215·83 | 85 31 | 679 22 | 94 23 | 16·80 | 196·33 | .. .. | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,820,086 | 25,47,906 | 21,309,330 | 29,34,500 | 4,43,167 | 59,25,673 | 1,034,798 | 826,061 | 1,850,85. |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·34 | | 4·25 | ·28 | 3·51 | | | |
| Ditto for corresponding week of previous year ... ... ... | | 2·53 | | 3·99 | ·29 | 3·42 | | | |

(a) Decrease under passengers due to heavy coolie traffic last year.
(b) General increase chiefly under local.
(c) Includes 7,778 miles of ballast trains.
(d) Includes audited figures up to February 1909.
(e) Includes 3,106 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 1st May 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 418,120 | 1,90,430 0 0 | 1,667,070 0 | 2,38,170 0 0 | 18,860 0 0 | 4,47,460 0 0 | 76,983 | (b) 42,254 | 119,237 |
| Or per mile of railway ... ... | 279 | 127 0 0 | 1,114 0 | 159 0 0 | (a) 2 0 0 | (a) 288 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (c) ... ... ... .. | 7,718,668 | 34,40 064 0 0 | 37,763,381 0 | 44,94,215 0 0 | 6,81,931 0 0 | 86,16,210 0 0 | 1,263,902 | 870,564 | 2,134,466 |
| Total for 18 weeks ... | 8,136,788 | 36,30,494 0 0 | 39,430,451 0 | 47,32,385 0 0 | 7,00,791 0 0 | 90,63,670 0 0 | 1,340,885 | 912,818 | 2,253,703 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 404 812 | 1,87,791 0 0 | 1,606,649 0 | 2,50,792 0 0 | 17,867 0 0 | 4,36,450 0 0 | 77,035 | 35,140 | 112,175 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 318 | 148 0 0 | 1,261 0 | 181 0 0 | 1 0 0 | 330 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... . | 9,083,402 | 39,20,595 0 0 | 35,593,716 0 | 41,74,421 0 0 | 6,00,966 0 0 | 85,95,982 0 0 | 1,376,652 | 816,370 | 2,192,022 |

(a) Excluding steamer earnings, Rs. 16,400
(b) Excluding ballast train-miles, Rs. 10,946.
(c) Audited up to February 1909.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 1st May 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 36,310 | 10,310 0 0 | 50,290 0 | 4,950 0 0 | 280 0 0 | 14,540 0 0 | 5,796 | (a) 1,244 | 7,040 |
| Or per mile of railway ... | 422 | 120 0 0 | 585 0 | 46 0 0 | 3 0 0 | 169 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (b) ... ... . .. | 697,587 | 2,10,6[illegible] 0 0 | 1,326,490 0 | 96,287 0 0 | 5,959 0 0 | 3,12 311 0 0 | 92,159 | 23,624 | 115,776 |
| Total for 18 weeks .. | 7[illegible]3 897 | 2,20,575 0 0 | 1,376,780 0 | 1,00,237 0 0 | 6,239 0 0 | 3,26,851 0 0 | 97,948 | 24,868 | 122,816 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 26,629 | 10,221 0 0 | 72,553 0 | 5,398 0 0 | 90 0 0 | 16,012 0 0 | 5,656 | 1,294 | 6,950 |
| Per mile of railway corresponding week of previous year . | 4[illegible]6 | 122 0 0 | 844 0 | 63 0 0 | 1 0 0 | 186 0 0 | .. | ... | .. |
| Total to corresponding date of previous year .. ... | 778,328 | 2,36,786 0 0 | 1,886,818 0 | 1,35,910 0 0 | 5,377 0 0 | 3,77,173 0 0 | 1,00,092 | 31,620 | 131,712 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to February 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 1st May 1909 on 33 6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 4,080 | 1,590 0 0 | 29,530 0 | 1,480 0 0 | 10 0 0 | 3,080 0 0 | 497 | (a) 715 | 1,212 |
| Or per mile of railway .. .. | 121 | 48 0 0 | 611 0 | 44 0 0 | ... | 92 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (b) ... ... ... ... | 73,579 | 30,242 0 0 | 398,880 0 | 28,677 0 0 | 282 0 0 | 59,201 0 0 | 7,910 | 33,381 | 41,291 |
| Total for 18 weeks ... | 77,659 | 31,832 0 0 | 428,410 0 | 30,157 0 0 | 292 0 0 | 62,281 0 0 | 8,407 | 34,096 | 42,503 |
| **COMPARISON** | | | | | | | | | |
| Total for corresponding week of previous year .. .. | 3,997 | 1,558 0 0 | 23,816 0 | 1,831 0 0 | 18 0 0 | 3,407 0 0 | 497 | 831 | 1,328 |
| Per mile of railway corresponding week of previous year .. | 119 | 46 0 0 | 709 0 | 54 0 0 | 1 0 0 | 101 0 0 | ... | .. | ... |
| Total to corresponding date of previous year ... .. ... | 8,446 | 36,726 0 0 | 451,514 0 | 31,662 0 0 | 294 0 0 | 68,081 0 0 | 7,948 | 29,741 | 37,689 |

(a) Excluding ballast train-miles, 1,400.
(b) Audited up to February 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 1st May 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 12,850 | 3,910 0 0 | 36,890 0 | 2,320 0 0 | 20 0 0 | 6,250 0 0 | 2,310 | (a) 354 | 2,694 |
| Per mile of railway ... ... | 238 | 73 0 0 | 683 0 | 43 0 0 | .. | 116 0 0 | | ... | |
| For previous 17 weeks of half-year (b) .. ... ... ... | 287,034 | 75,909 0 0 | 919,400 0 | 53,521 0 0 | 404 0 0 | 1,29,834 0 0 | 32,817 | 12,746 | 45,563 |
| Total for 18 weeks .. | 299,884 | 79,819 0 0 | 956,290 0 | 55,841 0 0 | 424 0 0 | 1,36,084 0 0 | 35,127 | 13,130 | 48,257 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 13,639 | 3,981 0 0 | 66,862 0 | 3,755 0 0 | 45 0 0 | 7,791 0 0 | 2,016 | 918 | 2,934 |
| Per mile of railway corresponding week of previous year ... | 253 | 74 0 0 | 1,238 0 | 69 0 0 | 1 0 0 | 144 0 0 | | .. | ... |
| Total to corresponding date of previous year ... . .. | 300,681 | 79,751 0 0 | 760,774 0 | 41,070 0 0 | −2,107 9 0 | 1,18,694 0 0 | 36,761 | 9,754 | 46,515 |

(a) Ballast train-miles, Nil.
(b) Audited up to February 1909.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ended 8th May 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 580,240 | 2,24,590 0 0 | 1,697,620 0 | 2,10,330 0 0 | 20,460 0 0 | 4,55,380 0 0 | 77,138 | (b)42,223 | 119,361 |
| Per mile of railway .. | 388 | 150 0 0 | 1,134 0 | 141 0 0 | (a)2 0 0 | (a)293 0 0 | ..... | ..... | ..... |
| For previous 18 weeks of half-year (c) ... ... ... ... | 8,136,788 | 36,30,404 0 0 | 39,430,451 0 | 47,32,385 0 | 7,00,791 0 0 | 90,63,670 0 0 | 1,340,885 | 912,818 | 2,253,703 |
| Total for 19 weeks | 8,717,028 | 38,55,094 0 0 | 41,128,071 0 | 49,42,715 0 0 | 7,21,251 0 0 | 95,19,050 0 0 | 1,418,023 | 955,041 | 2,373,064 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year .. | 552,714 | 2,14,720 0 0 | 1,558,855 0 | 2,04,693 0 0 | 16,927 0 0 | 4,36,340 0 0 | 76,410 | 35,728 | 112,138 |
| Per mile of railway corresponding week of previous year (1,274 miles) . . ... | 434 | 168 0 0 | 1,208 0 | 161 0 0 | 1 0 0 | 330 0 0 | ..... | ... | ..... |
| Total to corresponding date of previous year . | 9,636,116 | 41,35,315 0 0 | 37,132,571 | 42,79,114 0 0 | 6,17,893 0 0 | 90,32,322 0 0 | 1,452,062 | 852,098 | 2,304,160 |

(a) Excluding steamer earnings, Rs. 17,400.
(b) Excluding ballast train-miles 10,653.
(c) Audited up to February 1909.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 8th May 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 40,570 | 11,240 0 0 | 41,630 0 | 3,160 0 0 | 380 0 0 | 14,780 0 0 | 5,596 | (a)1,340 | 6,936 |
| Per mile of railway .. | 472 | 131 0 0 | 484 0 | 37 0 0 | 4 0 0 | 172 0 0 | ..... | ..... | ..... |
| For previous 18 weeks of half-year (b) ... . ... ... | 733,897 | 2,20,375 0 0 | 1,376,780 0 | 1,00,237 0 0 | 6,239 0 0 | 3,26,851 0 0 | 97,948 | 24,868 | 122,816 |
| Total for 19 weeks | 774,467 | 2,31,615 0 0 | 1,418,410 0 | 1,03,397 0 0 | 6,619 0 0 | 3,41,631 0 0 | 103,544 | 26,208 | 129,752 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. .. | 42,481 | 12,436 0 0 | 81,829 0 | 6,662 0 0 | 66 0 0 | 19,164 0 0 | 5,656 | 1,530 | 7,186 |
| Per mile of railway corresponding week of previous year . | 494 | 145 0 0 | 951 0 | 77 0 0 | 1 0 0 | 223 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 820,879 | 2,49,222 0 0 | 1,968,047 0 | 1,41,672 0 0 | 5,443 0 0 | 3,96,337 0 0 | 105,748 | 33,150 | 138,898 |

(a) Excluding ballast train miles, 690.
(b) Audited up to February 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 8th May 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,980 | 2,060 0 0 | 30,340 0 | 1,950 0 0 | 10 0 0 | 4,040 0 0 | 490 | (a)1,223 | 1,712 |
| Or per mile of railway .. ... | 148 | 62 0 0 | 903 0 | 58 0 0 | ... .. | 120 0 0 | ..... | ..... | ..... |
| For previous 18 weeks of half-year (b) ... ... ... ... | 77,059 | 31,832 0 0 | 419,410 0 | 30,157 0 0 | 292 0 0 | 62,281 0 0 | 8,407 | 34,096 | 42,503 |
| Total for 19 weeks ... | 82,039 | 33,912 0 0 | 449,750 0 | 32,107 0 0 | 302 0 0 | 66,321 0 0 | 8,897 | 35,318 | 44,215 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 4,350 | 1,649 0 0 | 29,418 0 | 1,721 0 0 | 9 0 0 | 3,379 0 0 | 490 | 814 | 1,304 |
| Per mile of railway corresponding week of previous year ... | 129 | 49 0 0 | 876 0 | 51 0 0 | 1 0 0 | 101 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 89,796 | 38,374 0 0 | 483,932 0 | 33,353 0 0 | — 303 0 0 | 72,060 0 0 | 8,428 | 30,555 | 38,993 |

(a) Excluding ballast train-miles, 1,435.
(b) Audited up to February 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 8th May 1909 on 54 miles open.*

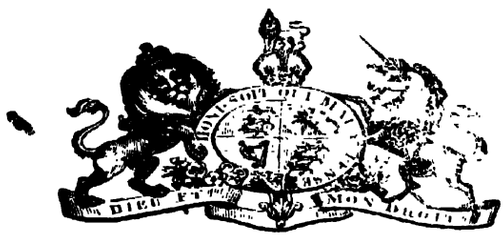
| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 12,300 | 4,680 0 0 | 23,[illegible] 0 | 1,320 0 0 | 20 0 0 | 5,420 0 0 | 2,010 | (a)384 | 2,394 |
| Or per mile of railway .. .. | 228 | 76 0 0 | [illegible]44 0 | 24 0 0 | . ... | 100 0 0 | ..... | ..... | ..... |
| For previous 18 weeks of half-year (b) ... ... ... ... | 299,884 | 79,819 0 0 | [illegible],290 0 | 55,841 0 0 | 424 0 0 | 1,36,084 0 0 | 35,127 | 13,130 | 48,257 |
| Total for 19 weeks . | 312,184 | 83,899 0 0 | 980,250 0 | 57,161 0 0 | 444 0 0 | 1,41,504 0 0 | 37,137 | 13,514 | 50,651 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... .. .. | 15,233 | 4,682 0 0 | 34,010 0 | 2,155 0 0 | 48 0 0 | 6,885 0 0 | 2,022 | 960 | 2,98[illegible] |
| Per mile of railway corresponding week of previous year ... ... | 282 | 87 0 0 | 630 0 | 40 0 0 | 1 0 0 | 128 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 315,914 | 84,413 0 0 | 805,784 0 | 43,225 0 0 | —2,080 0 0 | 1,26,579 0 0 | 38,783 | 10,714 | 49,497 |

(a) Ballast train-miles, nil.
(b) Audited up to February 1909.

Printed at the Printing Office, and published by the Book Depôt of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 19th May 1909.

REGISTERED No. C 209.

No. 21 of 1909.



SUPPLEMENT TO

# The Calcutta Gazette

WEDNESDAY, MAY 26, 1909.

## OFFICIAL PAPERS.

*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of Rs. [illegible] per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*

CONTENTS


| | Page |
|---|---|
| Award of Senior Scholarships .. ... ... ... | 779—780 |
| Resolution on the Triennial Report on the Lunatic Asylums in Bengal for the years 1906, 1907 and 1908 | 781—782 |
| Final Forecast of the Wheat Crop of Bengal, 1908-09 ... | 783—790 |
| Third and Final Forecast of the Spring Oilseed Crops of Bengal for 1908-09 ... ... | 791—804 |
| Resolution on the Report on the Administration of the Jail Department for the Year 1908 ... ... | 805—807 |
| Weather and Crop Report for the week ending the 24th May 1909 .. .. .. ... .. | 808—813 |
| Price-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th May 1909 .. ... | 814—821 |
| Approximate Return of traffic on the Circular and Eastern Canals for the week ending the 22nd May 1909 .. .. .. . | [illegible] |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of April 1909 .. ... ... . .. ... .. | [illegible] |
| Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd May 1909 .. ... . .. . .. | [illegible] |
| Railway Returns .. .. .. . . | [illegible] |


## AWARD OF SENIOR SCHOLARSHIPS.

GENERAL DEPARTMENT—EDUCATION.

*Darjeeling, the 15th May 1909.*

RESOLUTION—No. 506T. G.

READ—

The letter from the Director of Public Instruction, Bengal, No. 4076, dated the 17th March 1909.

Certain scholarships, known as senior scholarships, provided by Government or from private endowments, have hitherto been awarded by the Director of Public Instruction on the results of the First Examination in Arts held by the Calcutta University. Government senior scholarships of the highest grade carry monthly stipends of Rs. 25, and are awarded to the most successful candidates in the entire province. The second grade Government senior scholarships, on the other hand, have been reserved for special tracts and localities, and are awarded to those who distinguish themselves most among the candidates from the selected areas, but fail to obtain first grade scholarships.

These scholarships carry monthly stipends of Rs. 20. A third class of Government senior scholarships, called special senior scholarships, has been exclusively reserved for classes of students either educationally backward or requiring special encouragement. These scholarships, which vary in value from Rs. 7 to Rs. 25, are awarded to the most successful candidates of each of these classes who do not obtain any of the higher scholarships. Endowed scholarships are awarded in accordance with the terms of the endowment in each case.

2. All classes of senior scholarships have hitherto been awarded according to the position of candidates on the list of the results of the First Arts Examination published by the Calcutta University. The First Arts Examination will be replaced in 1909 by the Intermediate Examinations in Arts and Science; and the senior scholarships will in future have to be distributed among two different classes of students. The position attained by a student on the joint list of successful Arts and Science students will be a guide only in comparison with other candidates in the same branch of the examination. At the same time it is not possible to lay down a hard-and-fast rule for the allocation of the scholarships in a definite proportion between Arts and Science students. The Director of Public Instruction is accordingly authorised to assign scholarships to Arts or Science at his discretion, and to apportion scholarships between Arts and Science candidates in such manner as, in his judgment, best accords with the comparative merits of the candidates. Subject to this modification the existing rules for the award and tenure of senior scholarships will be observed as before.

ORDER.—Ordered that the Resolution be published in the *Calcutta Gazette*, that a copy be sent to the Director of Public Instruction, Bengal, and a copy to the Accountant-General, Bengal, through the Financial Department.

By order of the Lieutenant-Governor of Bengal,

J. G. CUMMING,
*Offg. Secy. to the Govt. of Bengal*

## RESOLUTION ON THE TRIENNIAL REPORT ON THE LUNATIC ASYLUMS IN BENGAL FOR THE YEARS 1906, 1907 AND 1908.

MUNICIPAL DEPARTMENT—MEDICAL.

*Darjeeling, the 19th May 1909.*

RESOLUTION—No. 276T.—Medl.

READ—

The Triennial Report on the Lunatic Asylums in Bengal for the years 1906, 1907 and 1908.

Read also—

The Annual Returns of the Lunatic Asylums in Bengal for 1906 and 1907 with the remarks recorded thereon by Government.

1. An important incident of the triennial period under review was the closure of the Cuttack Asylum in 1905, and the transfer of its inmates to Berhampore. The present report, therefore, deals with the asylums for Indian lunatics at Berhampore and Patna, and the European Lunatic Asylum at Bhawanipur, Calcutta.

2. Shortly after its occupation the asylum at Berhampore was found to be unsuitable on structural and other grounds. As the cost of the improvements and extensions considered desirable was considerable, it was proposed to make over the buildings to the Jail Department, which was in need of further accommodation, and to construct a combined asylum on approved modern lines, for all the Indian lunatics in the province, at Ranchi, which, from the point of view of climate and the facility for acquiring land, possessed various advantages. The project received the sanction of the Government of India, and detailed plans of the buildings have been nearly completed. A similar scheme for the establishment at Ranchi of a central asylum for European lunatics from the Punjab, the United Provinces, the Central Provinces, Bengal, and Eastern Bengal and Assam was drawn up, and the report of a Special Committee, appointed at the instance of the Government of India to examine the matter, is now under the consideration of that Government. There are manifest advantages in locating both asylums in one place, under suitable conditions, and under the constant supervision of officers specially trained in the treatment of lunacy. In the case of the present combined asylum for Indian lunatics at Berhampore, the direct supervision of the whole-time Superintendent, Major C. J. Robertson-Milne, I.M.S., who was specially deputed to this province in 1906 to take charge of the asylum, has already proved beneficial.

3. It was found necessary early in the present year, to undertake legislation in order to remove the legal difficulty which had arisen in consequence of the closure, during 1905, of the Dallunda Asylum in Calcutta. So long as there was an asylum situated within the limits of the Presidency town, paying lunatics, who were residents of Calcutta, could be admitted to it on the application of their relatives and on the certificate of two Medical Officers. But in order to legalise the despatch of such patients to Berhampore, an order from the High Court was requisite, under the provisions of section VIII of Act XXXVI of 1858. The only alternative procedure, by which the expense of such an application could be saved, was for the lunatics to be sent as paupers under an order of the Commissioner of Police or a Magistrate, and to this course there were obvious objections. This defect has now been removed by the amendment of the Act of 1858, dispensing with the need of the intervention of the High Court.

4. In connection with the foregoing point the question of amending the Lunatic Asylums Act in various other respects was also considered, and suggestions have been submitted to the Government of India. The revision of the rules under the Act, which were framed so long ago as 1878, is being dealt with by Government.

5. The total asylum population at the close of each of the three years under review was 836 in 1906, 852 in 1907, and 865 in 1908. Since the

asylums have accommodation for 963 patients, and the maximum number confined on any one night was 893, there was no general difficulty from over-crowding, but at Bhawanipur more space was required at times.

6. The health of the inmates of the asylums during the triennium under review was on the whole good. The total number of admissions to hospital were 850 in 1906, 555 in 1907, and 746 in 1908. The increase in 1908, as compared with the previous year, is ascribed to the fact that cases of indifferent health and trifling ailments received regular treatment in hospital instead of in the quarters of the lunatics, as was the previous practice. Cases of fever decreased from 267 in 1906 to 185 in 1907, and 149 in 1908, and there were no deaths from this cause. These good results are attributed to the regular administration of prophylactics to the inmates during the unhealthy season of the year. There was also a noticeable decrease in the number of cases of bowel-complaints (dysentery and diarrhœa), the figures being 123 in 1906, 81 in 1907, and 48 in 1908. The deaths under this head for the three years numbered 20, 7 and 5 respectively. The most noticeable decrease in this respect occurred at Patna, and is said to have been due to improvements effected in the water-supply. Phthisis was unfortunately largely prevalent in the Berhampore Asylum, but special arrangements have been made for the separate treatment and segregation of tubercular patients. Seven cases of leprosy were under treatment at Berhampore, of which two ended fatally. A proposal to construct a separate ward for leper lunatics is now under consideration.

7. The total death-rate calculated upon the daily average strength was 10·27 in 1906, 8·94 in 1907, and 7·63 in 1908, an average of 8·94 against 10·29 in the previous triennium. It is gratifying to notice that, as shown by the Inspector-General of Civil Hospitals, the rate of mortality in 1908 was less than that in other provinces in India, as also than that recorded in County and Borough Asylums in England in 1907.

8. Complaints are still made by the asylum authorities of the incompleteness of the medical history sheets of the lunatics committed to the asylums, and this, unfortunately, is not a new matter. It was noticed in the course of the review of the reports for the years 1903—1905, and special orders calling attention to these defects were issued in May 1908. It is now stated that out of 122 admissions to the Berhampore Asylum the medical history sheets in no less than 40 cases contained no useful information. There are, no doubt, obstacles in the way of eliciting the true facts, and, it is understood, that similar difficulties are experienced in the United Kingdom and elsewhere, but there is evidence that enquiries are not infrequently slurred over by the committing Magistrates and the Police, and the results would have been worse but for the special efforts of the Superintendent of the Berhampore Asylum, who entered upon protracted correspondence in the hopes of clearing up points of doubt. The exact knowledge of the antecedents in cases of lunacy is of such great importance to the effective treatment of the disease, that the Lieutenant-Governor must insist upon greater attention being paid to the subject, and the Superintendents of asylums should bring to the notice of Commissioners of Divisions any instances in which serious negligence is apparent. Should satisfactory explanations not be forthcoming, Commissioners are requested to report to Government the names of the officers at fault. District Magistrates should also arrange that these cases are only dealt with by experienced subordinates and should check the tendency to report, without due enquiry, some stereotyped reason for insanity, such as the smoking of *ganja*.

9. The thanks of the Lieutenant-Governor are due to Colonel Macrae for his report, and to Major Robertson-Milne and the other officers who acted as Superintendents of the several asylums during the period under review, for their careful administration of the institutions under their charge, on the good results attending which they are to be congratulated.

By order of the Lieutenant-Governor of Bengal,

H. WHEELER,
*Offg. Secy. to the Govt. of Bengal.*

## FINAL FORECAST OF THE WHEAT CROP OF BENGAL, 1908-09.

THE following note is published for general information.

F. W. DUKE,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 24th May 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FINAL FORECAST OF THE WHEAT CROP OF BENGAL, 1908-09.

On an average of five years ending 3-07 the area under wheat in the territory to which this forecast relates has represented some 4·81 per cent. of the total area under wheat in India.

The ratio of the irrigated wheat acreage to the total wheat acreage (*a*) in British India and (*b*) in the territory now reported on has, in the five years ending 1906-07, averaged (*a*) 38·1 per cent and (*b*) 1·8 per cent, respectively.

*Character of the season.*—Sowings began early in September, but the full area could not be sown owing to the drought which prevailed from the second week of October. The showers received in the end of January and also in February were beneficial, but they were scanty in Bihar, where the crop is most important, and the crop in the unirrigated tracts of North Bihar was badly affected.

*Area sown.*—The normal area under wheat is now returned as 1,351,500 acres; the area sown this year amounts to 1,255,200 acres, a decrease of 96,300 acres, or 7 per cent.

*Outturn.*—In Bihar which accounts for 87 per cent. of the total wheat area the outturn has been estimated at 57 per cent. of the normal. The other districts in which the crop is important are Murshidabad, Nadia and Hazaribagh. The outturn in the two former districts is estimated at 44 per cent. and in the latter at 55 per cent. The outturn for the whole province as estimated by the Agricultural Department is 60 per cent. of a normal crop.

According to these returns, the gross yield for the province works out to 319,800 tons against 299,200 tons of last year.

*Food-stocks and prices of food-grains.*—The three harvests of the year, viz., *aghani*, *bhadoi* and *rabi*, were much below the average, their outturns being 72, 65 and 67 per cent. of the normal respectively. The food-stocks of the previous harvest are reported to be low in most districts. The following table shows the prices of wheat in Calcutta and the

average prices in selected important wheat-growing districts for the year 1907-09 :—

| | Price of wheat in seers per rupee on the 15th March. | | | | | |
|---|---|---|---|---|---|---|
| | 1907. | | 1908. | | 1909. | |
| | Srs. | ch. | Srs. | ch. | Srs. | ch. |
| Calcutta ... ... | 10 | 5 | 7 | 0 | 7 | 4 |
| Average prices in selected districts of Bengal. | 11 | 4 | 7 | 1 | 8 | 3 |

Exports of wheat from Calcutta by sea during the 11 months from April 1908 to February 1909 amounted to 67,083 maunds against 1,25,935 maunds for the corresponding period of last year, and the imports by all routes for the same period aggregated 3,184,[illegible]7 maunds and 4,398,005 maunds, respectively. The exports and imports of 1907 for the same period were 175,668 maunds and 4,312,185 maunds respectively.

W. R. GOURLAY,

*Offg. Director of Agriculture, Bengal.*

CALCUTTA;

*The 11th May 1909.*

## APPENDIX I.

*Final Forecast of the Wheat Crop of 1908-09.*

| DISTRICT. | Total area of district in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under wheat crop, in acres. | Approximate area under wheat last year (1907-08), in acres. | Estimated area under wheat this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09). | FIGURES FROM THE CADASTRAL SURVEY. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the date of harvesting was this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | Acres | | Acres | | | |
| Burdwan ... ... | 1,721,990 | 1,284,300 | 1,800 | 700 | 1,500 | 42 | 68 | 35,226 | 1889 to 1892 and 1903-04 to 1907-08. | .. | [illegible] of [illegible]uary to [illegible]arch. | The weather and rainfall conditions were not favourable. The area and outturn are below the normal for want of moisture. The date of harvesting was normal. | |
| Birbhum .. ... | 1,121,280 | 746,700 | 5,000 | 1,000 | 1,100 | 50 | 40 | 48,571 | 1889 to 1902 and 1906. | Not known | Begin[illegible]ing of Mar[illegible]h. | The date of harvesting was normal. The weather was not favourable and the general condition of the crop was not good owing to want of rain. | |
| Bankura ... .. | 1,677,440 | 642,800 | 5,500 | 3,000 | 3,000 | 50 | 75 | 14,879 | 1889 to 1902 and 1906. | ..... | 15th March. | The weather was not favourable. The general condition of the crop was not very good. The date of harvesting was normal. | |
| Midnapore ... | 3,319,040 | 2,[illegible],600 | 2,600 | 1,500 | 1,000 | 60 | | 36,342 | 1893-96 | ... . | 1st to 15th March. | The weather was not favourable. Want of rain was felt everywere. The condition of the crop was fair. The date of harvesting was normal. | |
| Hooghly ... ... | 761,210 | 445,[illegible] | 2,400 | 1,700 | 1,700 | 80 | 50 | Not cadastrally surveyed. | | | Middle of March. | The weather was not favourable. The crop suffered a good deal for want of moisture. The date of harvesting was normal. | |

| District. | Total area of district in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under wheat crop, in acres. | Approximate area under wheat last year (1907-08), in acres. | Estimated area under wheat this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the date of harvesting was this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | Acres. | | Acres. | | | |
| Nadia ... ... | 1,757,520 | 1,048,800 | 23,100 | 9,800 | 13,600 | 31 | 41 | Not cadastrally surveyed. | | | End of February. | The weather was not favourable and the general condition of the crop was unsatisfactory. The date of harvesting was normal. | |
| Murshidabad ... | 1,371,520 | 985,700 | 63,300 | 12,000 | 31,300 | 28 | 44 | ... | ... | ..... | Beginning of March. | The weather was not favourable. The rainfall in January did some good to the crop. The date of harvesting was normal. | |
| Jessore ... ... | 1,872,153 | 1,121,000 | 1,700 | 2,700 | 900 | 40 | 53 | ... | ... | .... | February and March. | The weather conditions were not favourable. The state of the crop was poor. The date of harvesting was normal. | |
| Patna ... ... | 1,528,000 | 1,082,100 | 125,000 | 105,700 | 104,300 | 73 | 34 | 73,164 | 1900-01 | 1,261 | Last week of February. | The weather was not favourable. The general condition of the crop was not good. The date of harvesting was normal this year. | |
| Gaya ... ... | 4,015,000 | 2,118,100 | 107,000 | 65,000 | 85,500 | 69 | 79 | 517,000 | 1893-1895, 1900-1902, and 1907-08. | 23,123 | 1st week of March | The weather was not favourable at the beginning of the season. The rain that fell in January improved the prospects of the crop and a fair outturn has been obtained. The date of harvesting was normal. The increase of 14,000 acres in the estimated area shown in column 6 as compared with the corresponding figure shown in the second forecast is due to the fact that the Subdivisional Officer of the Aurangabad Subdivision has shown an increased estimate of area in the present forecast. | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shahabad ... | 2,800,849 | 1,843,600 | 226,500 | 133,000 | 174,200 | 53 | 70 | | ... | ... | 10th March | The *kathiya* rain was scanty, but the fall of some rain in January improved the condition of the crop. The date of harvesting was normal. |
| Saran ... ... | 1,711,288 | 1,357,200 | 77,500 | 57,100 | 73,900 | 58 | 60 | 1,633,435 | 1893 to 1901 | 77,522 | 1st March. | The weather was seasonable. The general condition of the crop was fair. The date of harvesting was early. |
| Champaran .. | 2,259,840 | 1,447,600 | 105,300 | 88,500 | 80,000 | 58 | 65 | 2,259,840 | 18[illegible]2 to 1899 | 105,300 | Latter part of March. | The date of harvesting was normal. The weather was not favourable for want of rain. The harvesting of the crop is approaching completion. |
| Muzaffarpur | 1,942,400 | 1,627,000 | 69,700 | 65,000 | 75,000 | 85 | 50 | 1,942,400 | 1892-93 to 1898-99. | 69,700 | Last week of March. | The weather was not favourable as the rainfall was scanty and badly distributed. The crop suffered from want of moisture except in the irrigated tracts. The date of harvesting was normal. |
| Darbhanga ... | 2,142,690 | 1,675,000 | 52,700 | 76,500 | 111,900 | 86 | 33 | 2,142,690 | 1896 to [illegible] | 52,700 | Beginning of March. | The weather was unfavourable. The general condition of the crop was generally bad. The date of harvesting was early in the Sadar and [illegible]hubani Subdivisions and normal in the Samastipur Subdivision. |
| Monghyr ... ... | 2,510,080 | 1,582,800 | 150,000 | 174,300 | 232,200 | 64 | 53 | [illegible],552 | 1900 to 1904 | 103,618 | 1st week of March. | The date of harvesting was normal. The crop suffered to some extent for want of rain. The weather was not quite favourable at the Sadar and Begusarai Subdivisions, but the condition was better in the eastern portion of the Jamui Subdivision. |
| Bhagalpur ... ... | 2,704,640 | 2,073,300 | 165,200 | 155,000 | 200,000 | 61 | 45 | 1,057,948 | 1902-04 | 65,500 | 1st March. | The early cessation of rain and the continuous drought since the time of sowing were not favourable to the crop. The date of harvesting was normal. |
| Purnea . . | 3,198,753 | 1,694,400 | 24,000 | 23,500 | 24,000 | 83 | 40 | 2,506,346 | 1901-02 and 1904-05 | Not yet known. | ... | The weather was unfavourable throughout the year: hence the low outturn. The date of harvesting was normal. |
| Darjeeling ... | 744,956 | 166,600 | 4,200 | 4,200 | 4,200 | 59 | 57 | 261,342 | 1897-1903 | 1,711 | March to April. | The condition of the crop was not good due to unfavourable weather. The date of harvesting was normal. |

| District. | Total area of district in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under wheat crop, in acres | Approximate area under wheat last year (1907-08), in acres. | Estimated area under wheat this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much was represented the outturn last year (1907-08). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral Survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop and whether the date of harvesting was this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | Acres. | | Acres. | | | |
| Sonthal Parganas | 3,500,830 | 1,545,300 | 28,500 | 10,800 | 12,800 | 48 | [illegible] | 3,272,009 | 1899 to 1903. | 16,004 | 1st March. | The weather was not favourable and the general condition of the crop not good owing to want of moisture. The date of harvesting was normal. | |
| Cuttack ... ... | 2,358,560 | 1,223,200 | 1,600 | 1,300 | 1,000 | 71 | 57 | 2,058,[illegible] | 1889-95 and 1901 at [illegible] 1905-07. | 351 | [illegible] January. | The weather was not favourable to the crop [illegible] to the total cessation of rain since October last. The general condition of the crop was not good. The date of harvesting was normal this year. | |
| Balasore .. .. | 1,334,368 | 932,200 | 100 | 100 | 100 | 50 | 50 | 1,[illegible]95,775 | 1891-92 to 1894-95. | ... | 15th of March. | The weather and rainfall conditions were not favourable. The low outturn is due to want of moisture. The date of harvesting was early. | |
| Angul .. ... | 1,087,283 | 263,000 | 100 | 100 | 100 | 50 | 45 | 575,258 | 1[illegible]-89 and 1905-08. | ... | Middle of February. | The date of harvesting was normal this year. | |
| Sambalpur ... | 2,447,360 | 845,300 | 100 | 100 | 100 | 60 | 90 | 2,447,2[illegible] | 1884-87 and 1891-97. | 149 | 1st March | The outturn is fairly good. The date of harvesting his year was normal. | |
| Hazaribagh ... | 4,493,440 | 1,703,000 | 18,700 | 8,500 | 11,000 | 22 | 55 | ... | ... | ..... | March | Owing to the failure of timely rain the prospects of the crop are not good. | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ranchi ... | 4,561,920 | 1,500,000 | 600 | 100 | 600 | 40 | 100 | The district is being cadastrally surveyed. | | | | The general condition of the crop was fair. The date of harvesting was normal. |
| Palamau .. | 3,144,960 | 627,600 | 14,700 | 1,800 | 3,200 | 80 | 60 | 187,520 | 1896-97 | 1,440 | 16th March. | The rainfall received in the second fortnight of January was beneficial to the crop. The outturn was fair. |
| Manbhum .. | 2,654,080 | 1,419,200 | 5,000 | 600 | 2,100 | 40 | 66 | Not cadastrally surveyed. | | | End of March and first part of April. | The weather was not very favourable for want of sufficient cold weather rain. The general condition of the crop was fair. The date of harvesting was normal. |
| Singhbhum | 2,490,240 | 840,700 | 3,000 | 2,600 | 3,000 | 50 | 76 | 1,761,984 | 1895-97 and 1900-03. | 1,267 | 10th February. | The weather was favourable this year and the outturn is better than that of the previous year. The date of harvesting was normal. |
| Total .. | 66,041,792 | 36,141,000 | 1,351,500 | 1,003,100 | 1,255,200 | 68 | 62* | ... | | ..... | | |

* Estimated by this Department.

## APPENDIX II.

*Abstract Statement of estimated acreage and outturn of the Wheat Crop of Bengal for the year 1908-1909.*

| PROVINCE | ACREAGE. | | | | | | | OUTTURN IN TONS. | | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Of current year's crop (1908-1909). | Of previous year's crop (1907-1908). | Average of preceding year. | | Percentage by which Column 2 exceeds (+) or is less than (−) area in | | | Estimated yield of current year, i.e., outturn in Column 2 (1908-1909). | Yield of previous year, i.e., outturn of area in Column 3 (1907-1908). | | | Percentage by which Column 7 exceeds (+) or is less than (−) outturn in | | | |
| | | | | | Column 3. | Column 4. | | | | | | Column 8. | Column 9. | | |
| 1 | 2 | 3 | 4 | | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | | 12 |
| | | | Five years. | Ten years. | | Five years. | Ten years. | | | Five years. | Ten years. | | Five years. | Ten years. | |
| Bengal ... ... | 1,255,200 | 1,003,100 | 1,306,600 | 1,309,500 | +25·13 | −3·93 | −4·15 | 319,900 | 299,900 | 419,900 | 436,300 | +6·68 | −23·66 | −26·70 | |

## THIRD AND FINAL FORECAST OF THE SPRING OILSEED CROPS OF BENGAL FOR 1908-09.

THE following is published for general information.

F. W. DUKE,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 25th May 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### THIRD AND FINAL FORECAST OF THE SPRING OILSEED CROPS OF BENGAL, 1908-09.

[On an average of the five years ending 1906-07, the area under linseed and rape and mustard in the territory to which this forecast relates have represented some 22·5 and 12·7 per cent. respectively, of the total area under these crops in British India.]

*Explanatory.*—This is the final of the three forecasts to be issued of the spring oilseed crops under recent orders of the Government of India. It deals with the revised estimates of the area and outturn of the crops after the publication of the second forecast in February last.

*Character of the season.*—The time of sowing was normal, but the absence of rain after the second week of October prevented the full normal area being sown and also affected the growth of the crops. The rainfall in the end of January and beginning of February was late but improved prospects in a few districts. On the whole the season was very unfavourable.

*Area sown.*—The total normal area under the different kinds of oilseeds in the Province, except *til*, is estimated at 2,170,500 acres. The area actually sown this year amounted to 1,557,500 acres against 1,403,100 acres last year.

*Outturn.*—From Appendix I attached to the report it will be seen that Sambalpur reports 82 per cent. of a normal crop. In six districts the crop is between 70 and 75 per cent. of the normal, in ten districts between 61 and 69 per cent., and in eight districts between 50 and 59 per cent. In the remaining eight districts a poor crop is anticipated, viz., Nadia and Bhagalpur (46 per cent.), Angul (40 per cent.), Patna (37 per cent.), Jessore (36 per cent.), Darbhanga (33 per cent.), Birbhum (32 per cent.), and Purnea (25 per cent.). Since the issue of the second forecast in February last prospects have slightly improved in Bihar, Nadia, Murshidabad, Puri, Sambalpur, Hazaribagh and Palamau. The outturn of the different kinds of spring oilseeds for the whole Province amounts, according to the district returns, to 54 per cent of the normal crop, *i.e.*, 3 per cent. higher than what was estimated in the second forecast but the outturn for the

whole Province is estimated by the Department of Agriculture at 60 per cent. of a normal crop. The outturn of last year was 64 per cent. Taking six maunds per acre as the normal rate of outturn for linseed, rapè and mustard, and 4½ maunds per acre for other oilseeds the gross yield of all the spring oilseeds for this Province amounts to 189,700 tons against 188,000 tons of last year.

W. H. GOURLAY,

*Offg. Director of Agriculture, Bengal.*

CALCUTTA,

*The 13th May 1909.*

# APPENDIX I.

*Third and Final Forecast of the Spring Oilseed Crops of Bengal, 1908-09.*

| District | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds last year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each specified crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Burdwan .. | 1,721,990 | 1,294,200 | Linseed ... ... | 22,500 | 11,500 | 15,900 | [illegible] | 74 | 85,226 | [illegible] to 1907-08 | 117 | January to March. | Owing to the want of seasonable rain the general condition of the crops was not good: hence the decrease in the area and outturn. The date of harvesting was normal. |
| | | | Rape and mustard. | 21,100 | 10,900 | 18,600 | 50 | 72 | | | 75 | | |
| | | | Other oilseeds (excepting *til*). | 1,500 | 1,400 | 1,[illegible] | 28 | 43 | | | 30 | | |
| | | | Total ... | 45,100 | 23,800 | 35,600 | 52 | 72 | 85,226 | .. | 222 | | |
| Birbhum .. | 1,121,280 | 786,700 | Linseed ... | 900 | [illegible] | 600 | 30 | 35 | 45,571 | 1889 to 1891 and 1896. | ... | Beginning of March. | The weather and general condition of the crops were not favourable owing to the cessation of rain. The date of harvesting was normal. |
| | | | Rape and mustard. | 2,000 | 1,200 | 1,0[illegible] | | 30 | | | | | |
| | | | Other oilseeds (excepting *til*). | 200 | 200 | 100 | | 30 | | | | | |
| | | | Total ... | 3,000 | 2,000 | 1,700 | 30 | 32 | 45,571 | ... | ... | | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds this year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under each spring crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, or normal late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Bankura .. | 1,577,440 | 642,800 | Linseed ... .. | 1,000 | 800 | 800 | 60 | 75 | 16,466 | Preceding years 1889 to 1902 and 1906 and 1907. | No[illegible] available. | 5th to 15th February. | Want of timely rain accounts for the decrease in the estimated outturn. The date of harvesting was normal. |
| | | | Rape and mustard. | 7,000 | 7,000 | 6,500 | 50 | 75 | | | | | |
| | | | Other oilseeds (excepting *til*). | 8,000 | 6,500 | 6,000 | 50 | 75 | | | | | |
| | | | Total | 16,000 | 14,300 | 13,300 | 51 | 75 | 16,466 | | | | |
| Midnapore | 3,318,040 | 2,190,600 | Linseed ... | 15,000 | 14,500 | 14,000 | 58 | 58 | 35,342 | 1893-98 | 110 | January to March | The weather was not favourable. Want of rain was generally felt. The condition of the crops was fair. The date of harvesting was normal in the Sadar and Ghatal Subdivisions, early in the Contai Subdivision and late in the Tamluk Subdivision. |
| | | | Rape and mustard. | 31,000 | 22,500 | 26,400 | 61 | 57 | | | | | |
| | | | Other oilseeds (excepting *til*). | 14,500 | 11,400 | 11,500 | 65 | 58 | | | | | |
| | | | Total .. | 60,500 | 48,400 | 51,900 | 61 | 57 | 35,342 | ... | 110 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hooghly ... | 761,210 | 445,900 | Linseed ... .. | 800 | 700 | 700 | 75 | 50 | Not cadastrally surveyed | | | February ... | The crops suffered much for want of rain: hence the low outturn. |
| | | | Rape and mustard | 7,900 | 4,900 | 5,500 | 90 | 53 | | | | | |
| | | | Other oilseeds (excepting *til*). | 2,700 | 2,600 | 2,600 | 80 | 50 | | | | | |
| | | | Total ... | 11,400 | 8,100 | 8,800 | 80 | 52 | ... | ... | ... | | |
| Howrah ... | 326,400 | 250,600 | Linseed .. ... | 2,000 | 1,400 | 1,700 | 50 | 56 | ... | .. | . | Middle of February | The condition of the crops was not good for want of seasonable rain. The date of harvesting was normal. |
| | | | Rape and mustard | 2,300 | 1,000 | 1,000 | 50 | 67 | .. | .. | ... | | |
| | | | Other oilseeds (excepting *til*). | 100 | 100 | 100 | 50 | 50 | ... | ... | ... | | |
| | | | Total ... | 4,400 | 2,500 | 2,800 | 50 | 60 | ... | .. | . | | |
| 24-Parganas. | 3,100,583 | 1,088,700 | Linseed ... .. | 1,600 | 400 | 500 | 87 | | ... | .. | ... | December to March. | The season was very unfavourable for the crops: hence the bad outturn in the Basirhat and Barasat Subdivisions. Although the sowing was normal, the crops could not germinate properly for want of sufficient rain and the subsequent growth was retarded on account of drought hence the outturn is lower than that of last year. The date of harvesting was normal. |
| | | | Rape and mustard | 1,500 | 800 | 800 | 70 | 67 | ... | ... | | Ditto. | |
| | | | Other oilseeds (excepting *til*). | 300 | ... | ... | | .. | ... | | ... | Ditto. | |
| | | | Total ... | 3,400 | 1,200 | 1,300 | 76 | 67 | ... | | ... | | |
| Nadia ... | 1,787,530 | 1,043,800 | Linseed .. ... | 55,000 | 19,300 | 37,300 | 34 | 42 | Not cadastrally surveyed | | | December to February. | The weather and general condition of the crops were not favourable. The date of harvesting was normal. |
| | | | Rape and mustard | 40,000 | 8,700 | 16,300 | 28 | 50 | | | | | |
| | | | Other oilseeds (excepting *til*.) | 15 000 | 5,400 | 7,400 | 37 | 54 | | | | | |
| | | | Total ... | 110,000 | 33,300 | 63,000 | 33 | 46 | | | | | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds last year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under each specified crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Murshidabad. | 1,371,520 | 985,500 | Linseed ... | 20,800 | 9,400 | 14,400 | 44 | 50 | ... | ... | ... | Middle of February. | The weather was not favourable. The general condition of the crops was fair. The date of harvesting was normal. The figures in column 7 have been revised by some of the reporting officers. |
| | | | Rape and mustard ... ... | 18,900 | 12,000 | 16,800 | 35 | 37 | ... | ... | ... | Early in January in some places. | |
| | | | Other oilseeds (excepting *til*). | 8,700 | 5,100 | 4,100 | 38 | 54 | ... | ... | ... | Middle of February. | |
| | | | Total ... | 48,400 | 26,500 | 35,300 | 39 | 54 | ... | ... | ... | | |
| Jessore ... | 1,879,183 | 1,191,000 | Linseed ... | 38,800 | 18,300 | 19,400 | 32 | 38 | ... | ... | ... | December to March. | The weather was not favourable. The condition of the crops was not good owing to want of rain. The date of harvesting was normal. |
| | | | Rape and mustard ... ... | 51,400 | 15,400 | 24,700 | 30 | 36 | ... | ... | ... | December to February. | |
| | | | Other oilseeds (excepting *til*.) | 6,800 | 2,900 | 2,900 | 42 | 29 | ... | ... | ... | Ditto. | |
| | | | Total ... | 97,000 | 36,600 | 46,900 | 32 | 36 | ... | ... | ... | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Khulna ... | 3,049,016 | 870,600 | Linseed ... ... | 2,500 | 2,500 | 2,500 | 45 | 49 | 130,766 | 1903-04 to 1907-08. | 12 | 12th March ... | The weather and rainfall were not favourable for the crops. The general condition was also not favourable this year. Owing to the want of rain the outturn was low. The date of harvesting was early this year. |
| | | | Rape and mustard | 48,000 | 47,600 | 47,900 | 62 | 60 | | | 514 | 15th December. | |
| | | | Other oilseeds (excepting *til*). | 5,000 | 5,000 | 5,000 | 50 | 50 | | | 10 | 25th February. | |
| | | | Total ... | 55,500 | 55,100 | 55,300 | 60 | 59 | 130,766 | ... | 536 | | |
| Patna ... | 1,328,000 | 1,062,100 | Linseed ... ... | 13,400 | 10,200 | 12,600 | 69 | 30 | 73,164 | 1900-01 | 362 | From the middle of February. | The weather was not favourable and the general condition of the crops was poor. The date of harvesting was normal. |
| | | | Rape and mustard | 12,400 | 11,000 | 7,800 | 61 | 47 | | | 1,343 | | |
| | | | Other oilseeds (excepting *til*). | 16,100 | 12,000 | 6,400 | 63 | 40 | | | 1,189 | | |
| | | | Total ... | 41,900 | 33,200 | 26,800 | 64 | [illegible] | 73,164 | ... | 2,894 | | |
| Gaya ... | 3,015,680 | 2,118,100 | Linseed ... ... | 85,600 | 48,100 | 48,000 | 60 | 60 | 517,900 | 1893-95 to 1900-02 and 1907-08. | 14,929 | End of February | The weather was not favourable owing to absence of rain in the beginning of the season. The rainfall in January slightly improved the condition of the crops. The date of harvesting was generally normal. |
| | | | Rape and mustard | 17,300 | 9,600 | 14,3[illegible] | 65 | 69 | | | 3,576 | | |
| | | | Other oilseeds (excepting *til*). | 74,600 | 57,100 | 46,300 | 65 | 72 | | | | | |
| | | | Total ... | 177,500 | 114,800 | 108,600 | 63 | 66 | 517,900 | ... | 18,505 | | |
| Shahabad | 2,800,843 | 1,543,600 | Linseed ... ... | 21,700 | 16,500 | 20,800 | 60 | 70 | ... | ... | ... | Middle of March | The condition of the crops was, on the whole, fair. The date of harvesting was normal. |
| | | | Rape and mustard | 17,000 | 10,400 | 12,200 | 60 | 67 | ... | ... | ... | | |
| | | | Other oilseeds (excepting *til*). | 7,900 | 3,300 | 7,000 | 65 | 70 | ... | ... | ... | | |
| | | | Total ... | 46,600 | 30,200 | 40,000 | 61 | 69 | ... | ... | ... | | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds last year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each specified crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Saran ... | 1,711,236 | 1,357,200 | Linseed ... ... | 79,500 | 39,400 | 44,700 | 60 | 50 | 1,633,435 | 1893 to [illegible] | 79,479 | 19th February | The weather was seasonable. The general condition of the crops was fair. For want of rain the outturn was below the normal. The date of harvesting was normal. |
| | | | Rape and mustard | 8,700 | 12,300 | 14,700 | [illegible] | 59 | | | [illegible] | | |
| | | | Other oilseeds (excepting *til*). | 3,500 | 8,600 | 11,900 | 46 | 61 | | | [illegible] | | |
| | | | Total ... | 91,700 | 60,300 | 71,300 | 59 | 52 | 1,633,435 | ... | 91,676 | | |
| Champaran | 2,259,840 | 1,447,600 | Linseed ... ... | 63,900 | 48,000 | 38,200 | 68 | 68 | 2,259,840 | 1892 to 1899 | 63,881 | Middle of March | The weather was unfavourable for want of rain. The general condition was, on the whole, fair. The date of harvesting was normal. The figures in column 7 against other oilseeds (excepting *til*) have been revised by the Subdivisional Officer of Bettiah. |
| | | | Rape and mustard | 19,800 | 14,400 | 9,300 | 72 | 82 | | | 8,925 | | |
| | | | Other oilseeds (excepting *til*). | 1,100 | 1,000 | 1,100 | 75 | 68 | | | 15,696 | | |
| | | | Total ... | 84,800 | 63,400 | 48,600 | 69 | 71 | 2,259,840 | ... | 88,502 | | |
| Muzaffarpur. | 1,942,400 | 1,627,000 | Linseed ... ... | 41,200 | 41,200 | 50,500 | 70 | 65 | 1,942,400 | 1892-93 to 1898-99. | 41,200 | 1st fortnight of March. | The condition of the crops was fair in the localities where there was some moisture, but the crops suffered badly for want of rain except in the irrigated tracts. |
| | | | Rape and mustard | 7,400 | 7,400 | 12,000 | 75 | 80 | | | 7,400 | Last week of January. | |
| | | | Other oilseeds (excepting *til*). | 6,000 | 6,000 | 6,500 | 60 | 53 | | | 6,000 | | |
| | | | Total ... | 54,600 | 54,600 | 68,500 | 70 | 66 | 1,942,400 | | 54,600 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Darbhanga | 2,142,690 | 1,678,000 | Linseed ... | 171,000 | 93,700 | 90,900 | 84 | 30 | 2,142,690 | 1896 to 1903 | 171,000 | Beginning of March. | Owing to drought the general condition of the crops was not good. The date of harvesting was normal. |
| | | | Rape and mustard | 46,300 | 47,[illegible] | 29,[illegible] | 96 | 44 | | | 46,300 | | |
| | | | Other oilseeds (excepting *til*.) | 5,600 | 7,800 | 6,100 | 87 | 34 | | | 5,600 | | |
| | | | Total ... | 222,900 | 148,[illegible] | 126,[illegible] | 94 | 33 | 2,142,691 | | 222,900 | | |
| Monghyr | 2,510,080 | 1,582,800 | Linseed ... | 23,900 | 22,300 | 20,900 | 75 | 50 | 985,552 | 1900 to 1904 | 13,791 | 1st week of January. | The weather was dry and unfavourable to the crops. The condition of the crops was not bad at all places. The date of harvesting was normal. |
| | | | Rape and mustard | 32,300 | 20,[illegible] | 20,500 | 73 | 51 | | | 21,020 | | |
| | | | Other oilseeds (except *til*.) | 38,600 | 14,500 | 12,800 | 69 | 50 | | | 20,282 | | |
| | | | Total .. | 94,800 | 57,600 | 53,800 | 79 | 50 | 985,552 | ... | 55,093 | | |
| Bhagalpur | 2,704,640 | 2,073,300 | Linseed ... | 60,000 | 55,000 | 48,600 | 65 | 44 | 1,057,900 | 1902-1904 | 42,000 | [illegible] week of March. | Owing to inadequate rainfall during the last rainy season, the growth of the crops was stunted, except on the lowlands and where irrigation was available. The date of harvesting was, on the whole, normal. |
| | | | Rape and mustard | 75,000 | 68,[illegible] | 46,100 | 85 | 50 | | | 51,600 | | |
| | | | Other oilseeds (excepting *til*.) | 17,500 | 14,700 | 14,100 | [illegible] | 40 | | | 5,[illegible] | | |
| | | | Total ... | 152,500 | 137,700 | 108,[illegible] | 78 | 48 | 1,057,900 | | 98,027 | | |
| Purnea ... | 3,196,153 | 1,694,400 | Linseed ... | 12,700 | 12,700 | 11,000 | 78 | 27 | 2,508,346 | 1901-1903 to 1904-1905 | Not available. | End of December | The poor outturn was due to the entire cessation of rain. The date of harvesting was early this year. |
| | | | Rape and mustard | 158,500 | 158,500 | 150,000 | 79 | 25 | | | | | |
| | | | Other oilseeds (excepting *til*). | 2,200 | 2,200 | 2,000 | 80 | 25 | | | | | |
| | | | Total ... | 173,400 | 173,400 | 163,000 | 79 | 25 | 2,508,346 | ... | | | |
| Darjeeling | 744,956 | 166,600 | Rape and mustard | 7,000 | 3,300 | 3,400 | 78 | 75 | 144,045 | 1897 to 1903 | 3,530 | January to February. | The date of harvesting was normal. In the hills the outturn is poor due to scarcity of rain, but in Terai it is fair. |
| | | | Other oilseeds (excepting *til*.) | 200 | ... | 200 | | 55 | | | | | |
| | | | Total ... | 7,200 | 3,300 | 3,600 | 78 | 74 | 144,045 | | 3,530 | | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds last year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under each special crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Sonthal Parganas | 3,530,500 | 1,545,200 | Linseed ... ... | 38,700 | 23,100 | 31,[illegible] | 68 | 57 | 3,272,069 | 1963. | 166,371 | December ... | Rain at the close of January improved the condition of the crops to a certain extent. The date of harvesting was normal. |
| | | | Rape and mustard | 108,800 | 42,800 | 61,200 | 37 | 61 | | | | | |
| | | | Other oilseeds (excepting *til*). | 78,100 | 33,800 | 60,800 | 41 | 62 | | | | | |
| | | | Total .. | 225,600 | 99,700 | 153,600 | 46 | 61 | 3,272,069 | ... | 166,371 | | |
| Cuttack ... | 2,358,500 | 1,223,500 | Linseed ... .. | 2,800 | 2,800 | 2,900 | 75 | 64 | 2,088,437 | 1887-95 and 1899, 1901 and 1905. | 3,194 | 1st January ... | The weather was not favourable owing to want of rain since the time of sowing. The condition of the crops was not good: hence the low outturn. The date of harvesting was normal this year. |
| | | | Rape and mustard | 11,800 | 13,300 | 14,100 | 73 | 64 | | | 3,880 | | |
| | | | Other oilseeds (excepting *til*). | 5,600 | 8,900 | 8,900 | 78 | 65 | | | ... | | |
| | | | Total ... | 19,700 | 25,100 | 25,900 | 75 | 64 | 2,088,437 | ... | 7,074 | | |
| Balasore ... | 1,334,368 | 932,200 | Linseed ... ... | 100 | 100 | 100 | 70 | 80 | 1,095,778 | 1891-92 to 1894-95. | 100 | 1st week of March | The weather was not favourable owing to the want of timely rain. The crops suffered for want of moisture: hence the decrease in the estimated outturn. The date of harvesting was early. |
| | | | Rape and mustard | 7,000 | 6,000 | 7,000 | 50 | 75 | | | ... | 1st week of January. | |
| | | | Other oilseeds (excepting *til*). | 2,400 | 2,400 | 2,400 | 90 | 50 | | | 335 | 1st week of March. | |
| | | | Total ... | 9,500 | 8,500 | 9,500 | 62 | 68 | 1,095,778 | ... | 435 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Angul ... | 1,667,283 | 263,000 | Rape and mustard | 6,300 | 4,500 | 4,000 | 50 | 40 | 575,283 | 1888-89 and 1905-08. | ... | Last week of January. | The want of winter rain affected the growth and outturn of the crops. The date of harvesting was normal this year. |
| | | | Other oilseeds (excepting *til*). | 2,700 | 1,000 | 800 | 40 | 37 | Khondmals not yet surveyed. | | | | |
| | | | Total ... | 9,000 | 2,500 | 4,800 | 46 | 40 | ... | ... | ... | | |
| Puri .. | 1,599,360 | 750,200 | Linseed ... ... | 900 | 1,600 | 1,000 | 79 | 68 | 1,599,360 | 1888-89 | 157 | February and March. | The weather was not favourable. The general condition of the crops was not satisfactory for want of rain. The date of harvesting was normal. |
| | | | Rape and mustard | 2,900 | 1,300 | 1,100 | 65 | 72 | | | ... | 15th December to 15th January. | |
| | | | Other oilseeds (excepting *til*). | 4,000 | 6,400 | 6,100 | 63 | 62 | | | 1,921 | January and February. | |
| | | | Total .. | 7,800 | 9,300 | 8,200 | 66 | 64 | 1,599,360 | ... | 2,078 | | |
| Sambalpur | 2,447,360 | 845,300 | Linseed ... ... | 400 | (11) | 100 | 30 | 82 | 2,447,360 | 1884-87 and 1891-97. | 67 | 10th March ... | The outturn has been fair. Had there been a little more rain at the time of the growth of the crops better crops would have been harvested. The date of harvesting was normal this year. The areas given in column 7 were only estimated, but now actual areas have been given after careful checking. |
| | | | Rape and mustard | 500 | 200 | 700 | 30 | 82 | | | 618 | 20th December. | |
| | | | Other oilseeds (excepting *til*). | 1,500 | 100 | 500 | 30 | 82 | | | 2,763 | 10th March 1908. | |
| | | | Total .. | 2,400 | 300 | 1,300 | 30 | 82 | 2,447,360 | .. | 3,448 | | |
| Hazaribagh | 4,493,440 | 1,703,000 | Linseed ... .. | 13,800 | 2,800 | 11,700 | 19 | 72 | ... | ... | ... | December ... | The condition of the crops was not good owing to want of rain. The date of harvesting was normal. |
| | | | Rape and mustard | 25,800 | 12,500 | 30,900 | 19 | 60 | .. | ... | ... | | |
| | | | Other oilseeds (excepting *til*). | 54,000 | 9,600 | 25,400 | 26 | 60 | ... | ... | ... | | |
| | | | Total ... | 93,600 | 24,900 | 65,000 | 22 | 62 | ... | ... | ... | | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation, in acres. | Name of spring oilseed crops. | Approximate normal area under spring oilseeds, in acres. | Approximate area under spring oilseeds last year (1907-08), in acres. | Estimated area under spring oilseeds this year (1908-09), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1907-08)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1908-09)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area sound under each special crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of harvesting was this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Ranchi ... | 4,561,920 | 1,500,000 | Rape and mustard | 5,700 | 2,000 | 5,700 | 25 | 70 | The district is being cadastrally surveyed. | | | ..... | The weather was not very favourable to the crops. The date of harvesting was normal. |
| | | | Other oilseeds (excepting *til*.) | 41,700 | 20,000 | 41,700 | [illegible] | 70 | | | | | |
| | | | Total ... | 47,400 | 22,000 | 47,400 | 25 | 70 | ... | ... | ... | | |
| Palamau ... | 3,144,960 | 627,600 | Linseed ... ... | 16,000 | 1,000 | 1,500 | 60 | 40 | 187,520 | 1896-97 | 3,147 | Last week of December. | The low outturn was due to the failure of the cold weather rain. The date of harvesting of the crops was normal. |
| | | | Rape and mustard. | 16,000 | 1,000 | 3,600 | 80 | 60 | | | ... | | |
| | | | Other oilseeds (excepting *til*.) | 2,300 | 300 | 3,300 | 40 | 60 | | | ... | | |
| | | | Total ... | 34,300 | 2,300 | 8,400 | 66 | 57 | 187,520 | .. | 3,147 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manbhum | 2,654,080 | 1,412,200 | Linseed ... | 800 | 100 | .. | | | Not cadastrally surveyed. | | | End of January ... | The weath rwas, on the whole, favourabl The general condition of th e crops was good. The date of harvesting was normal. |
| | | | Rape and mustard | 33,700 | 16,200 | 24,300 | | 72 | | | | | |
| | | | Other oilseeds (excepting *til.*) | 25,900 | 14,600 | 13,600 | 45 | 68 | | | | End of December. | |
| | | | Total ... | 60,400 | 30,900 | 37,900 | 40 | 71 | ... | ... | ... | | |
| Singhbhum | 2,490,240 | 840,700 | Linseed ... ... | 7,000 | 5,900 | 6,800 | 44 | 58 | | | 3,138 | 15th January .. | The weather was favourable this year and the outturn is better than that of last year. The date of harvesting was [illegible]. |
| | | | Rape and mustard | 20,000 | 19,400 | 20,000 | 42 | 60 | 1,761,984 | 1898 to 1897 and 1900 to 1902 | 9,876 | 20th January. | |
| | | | Other oilseeds (excepting *til.*) | 31,000 | 23,300 | 30,900 | 43 | 69 | | | 15,680 | 15th January. | |
| | | | Total ... | 58,000 | 48,600 | 57,700 | 42 | 65 | 1,761,984 | ... | | | |
| Bengal | 74,117,041 | 39,190,500 | Linseed | 513,700 | 503,800 | 548,600 | 67 | 61 | | | | | |
| | | | Rape and mustard | 571,300 | 611,100 | 659,400 | 66 | 51* | | | | | |
| | | | Other oilseeds (excepting *til.*) | 455,300 | 288,200 | 349,500 | 55 | 64 | | | | | |
| | | | Total ... | 2,170,300 | 1,403,100 | 1,557,500 | 64 | 60* | | | | | |

* Estimated by this Department.

# APPENDIX II.

*Abstract Statement of estimated Acreage and Outturn of the Spring Oilseed Crops of Bengal for the year 1908-1909.*

| Province. | Name of oilseed. | ACREAGE. Of current year's crop (1908-1909). | Of previous year's crop (1907-1908). | Average of preceding years. (a) Five years. | (b) Ten years. | Percentage by which Column 3 exceeds (+) or is less than (−) area in— Column 4. | Column 5. (a) Five years. | (b) Ten years. | OUTTURN IN TONS. Estimated yield of current year, i.e., of area in column 3 (1908-1909) | Yield of previous year, i.e., of area in column 4 (1907-1908). | Average of preceding years. (a) Five years. | (b) Ten years. | Percentage by which Column 8 exceeds (+) or is less than (−) outturn in— Column 9. | Column 10. (a) Five years. | (b) Ten years. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | | 8 | 9 | 10 | | 11 | 12 | |
| Bengal ... ... ... | Linseed | 59[illegible],400 | 503,80[illegible] | 748,900 | 667,300 | + 8·89 | −26·75 | −17·78 | 61,[illegible]0 | 74,400 | 119,400 | 111,900 | − 17·67 | −48·33 | −44·86 |
| | Rape and mustard. | 639,400 | 611,100 | 763,900 | 813,300 | + 7·90 | −15·87 | −18·22 | 74,100 | 58,900 | 153,100 | 146,600 | − 16·65 | −44·33 | −49·45 |
| | Other oilseeds (excepting till). | 349,500 | 288,200 | 443,800 | 537,400 | + 21·27 | −21·25 | −34·96 | 34,900 | 24,700 | 53,500 | 68,800 | + 41·30 | −34·77 | −49·27 |
| | Total oilseeds | 1,557,500 | 1,403,100 | 1,976,500 | 2,018,000 | + 11·00 | −21·19 | −22·77 | * 170,700 | 158,000 | 306,000 | 327,300 | − 9·20 | −44·22 | −47·85 |

* 189,700 tons estimated by this Department.

# RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE JAIL DEPARTMENT FOR THE YEAR 1908.

## JUDICIAL DEPARTMENT.

*Dated Darjeeling, the 24th May 1909.*

RESOLUTION No. 789J.—D.

READ—

The Report on the Administration of the Jail Department for the year 1908.

READ also—

The Reports for the years 1906 and 1907 and the Resolutions of Government recorded thereon.

1. The report under review has been submitted by Lieutenant-Colonel W. J. Buchanan, I.M.S., who was in charge of the Department throughout the year.

2. An outstanding feature of the report is the striking increase in the jail population. Not only did admissions increase from 78,891 in 1907 to over 1,01,000 in 1908, but the daily average number of prisoners rose from 15,275 to 16,853. This increase of fully 1,[illegible]00 would in itself have been sufficient to provide four or five new district jails of average size with their full complement of prisoners. The increase in the number of under-trial prisoners admitted in recent years is particularly striking. In 1905 only 29,946 were admitted against 33,101 in 1907 and [illegible]4,804 in the year under review. The average period of detention of prisoners in district and central jails was 34·1 days in sessions cases and 17·4 days in other cases, compared with 27·4 and 15·6 days, respectively, in 1907; and in subsidiary jails 16·3 against 15·6 days.

3. The only new jail opened in 1908 was the second-class District Jail at Alipore known as the Juvenile Jail. This jail is used for adolescent prisoners, and its opening marks another step in the separation of the different classes of prisoners. The Lieutenant-Governor recognizes the desirability of reserving a special jail for habitual offenders, and he has given his general approval to the proposals of the Inspector-General. A detailed scheme will be called for when the financial position permits of the allotment of funds.

4. In consequence of the increase in the jail population, the daily average number of convicts exceeded the number for whom accommodation is provided in no less than 19 out of the 37 jails in Bengal; while the accommodation in the under-trial wards was found insufficient in 22 jails. There was temporary overcrowding in several other jails, but it was generally found possible to relieve this by means of transfers. The new Presidency Jail, which is approaching completion, will be utilized as soon as it is ready; but the increased accommodation which it provides, as compared with the old jail, is only sufficient for 99 inmates, and is quite inadequate for the excess population for whom the Government now has to provide. It will probably be necessary to maintain the old Presidency Jail for a short time, in addition to the new one, and in the meantime proposals will be matured for permanently increasing the capacity of the jails in the Province either by the construction of a new central jail, or in other ways which are now under consideration.

5. A second outstanding feature of the year is the regrettable increase in the death-rate. The daily average number of sick prisoners of all classes shows a considerable increase over the number in 1907. The ratio of sick to every thousand prisoners however only increased from 34·2 to 36·5, which is less than the proportion in 1905 and equal to that in 1906. The death-rate in 1907 was 17·5 per mille, which was by far the lowest annual death-rate on record in the province. In 1908, however, the death-rate rose to 30·9 per mille and the total number of deaths among all classes of prisoners was 522 as against 268 in the previous year. Though the general unhealthiness

of the year throughout the province is chiefly responsible for this abnormal increase, there were several other contributing causes. Overcrowding in jails must necessarily tell against the health of the inmates, and particularly of those suffering from tubercular diseases. In many districts scarcity led to the incarceration of a number of persons in feeble health. The chief causes of death among the prisoners were tubercle of the lungs, dysentery and cholera. Seventy-eight convicts died of tubercular diseases of the lungs during the year. Diseases of the bowels, which invariably accompany famine and scarcity, were particularly prevalent. They accounted for 7·4 of the total increase of 13 4 deaths per mille among convicted prisoners. Cases of cholera occurred in 16 of the district and central jails, and this disease was responsible for 57 deaths as compared with 3 only in 1907. In most cases the outbreak coincided with an epidemic of the disease in the neighbouring towns. The disease was, in almost all cases, traced to outside infection. Dysentery also shows a marked increase, which must largely be attributed to the general unhealthiness of the year. His Honour shares the regret of the Inspector-General that, owing to the exigencies of the service, Captain W. E. H. Forster could not be spared to carry on his campaign against this formidable disease. It is noteworthy that in spite of the unhealthy season the number of deaths from malaria again showed a decrease.

6. The total earnings derived from the manufactures carried on in all classes of jails amounted to Rs. 4,56,127 as compared with Rs. 5,37,106 in 1907. The cash earnings amounted to Rs. 3,10,012 against Rs. 3,50,581 in the previous year. The average earnings per head of convicts sentenced to labour has fallen from Rs. 46-12 in 1906, to Rs. 40-7 in 1907 and Rs. 32-3 in 1908. These earnings in central jails vary from Rs. 134-9 per head in the Presidency Jail, where the principal industry is printing, to Rs. 23-13 in the Hazaribagh Jail, where the convicts are employed in weaving blankets, in pounding aloes and in various minor industries. The Lieutenant-Governor agrees with the Inspector-General that, in the general interest of the public, all orders on behalf of Government should, when possible, be placed with the Jail Department. The quinine industry has been concentrated at the Juvenile Jail at Alipore, as the work is well suited to youths. More than four million pice packets were made up and despatched to post offices during the year. His Honour trusts that the experiment of issuing quinine in tablet form will result in its more general use among all classes of the population in the malarial districts.

7. The number of offences committed by convicts was 28,688 against 25,734 in 1907. The increase in the number of offences is largely due to the increase in the average daily number of convicts. About 40 per cent. of the offences were committed by A class prisoners, while 60 per cent. were committed by B class or habitual offenders, though the two classes of prisoners were practically equal in number in district and central jails. The Inspector-General points out that the number of floggings increased from 83 to 116. This increase was almost entirely due to the large number of floggings in the Buxar Central Jail. The case of the Superintendent to whose deficiencies the Inspector-General attributes this increase is at present under consideration. In spite of the increase in the number of convicts there were only 14 escapes during the year, which is the same number as in 1907. Of these 14 persons, 11 were recaptured in addition to one prisoner who escaped in the previous year.

8. One thousand five hundred and eighty-three punishments were inflicted on warders as against 1,340 in 1907. In the majority of cases such minor punishments as fine and extra drill were imposed, but 39 warders were dismissed and 40 were degraded or suspended. The decrease in the number of desertions from 112 in 1907 to 41 in 1908 is most satisfactory, and seems to indicate that the improvement in the pay of warders has enhanced the attractions of the service.

9. In more than one passage of his report the Inspector-General has referred to the defects of the present system under which the duty of guarding the prisoners is largely entrusted to convict overseers and convict warders. The chief argument in favour of this system is economy; while on the other hand efficiency and discipline must necessarily suffer. Considerable difficulty is also being experienced in finding suitable convicts to perform these duties, owing to the steady increase in the proportion of reconvicted prisoners, who are not

eligible for selection. six thousand nine hundred and seventy reconvicted prisoners were admitted in 1908 as compared with 4,462 in the previous year. There can be no doubt that the system of employing convict guards was to some extent responsible for the murder of Norendra Nath Gossain, the approver in the Alipore conspiracy case. A full enquiry was made into the circumstances attending the murder; and Government dealt suitably with the officers whose negligence or misconduct facilitated the commission of the crime. At the same time, the Lieutenant-Governor is constrained to agree with the Inspector-General of Prisons that radical improvements are necessary in the system of guarding prisoners, and is giving earnest consideration to the proposals which the Inspector-General has submitted with that object. These include not only a considerable increase in the staff of paid warders, but the improvement of their pay and prospects. The past year, however, has seen some improvements in the conditions of service in the Jail Department. In August 1908, the Government of India sanctioned an increase in the pay of warders, and certain concessions in the matter of sick leave have also been granted to them. Recently, clerks have been provided to relieve Assistant Surgeons who are Deputy Superintendents of subsidiary jails, of the clerical part of their duties. His Honour is glad to note that the increase in the pay of Jailors, Deputy Jailors and Assistant Jailors, sanctioned with effect from the 1st April 1909, has given general satisfaction to those officers.

10. The Discharged Prisoners' Aid Society continued its useful work during the year. Seventy-six *ex*-prisoners in all received assistance from the Society. The annual grant of Rs. 3,000 from the Claude Martin Fund was received from the Commissioner of Police and 1,949 released convicts received help from this source.

11. The names of the officers specially commended by the Inspector-General have been noted. The Lieutenant-Governor thanks Lieutenant-Colonel Buchanan for his able administration of the Department during the past year and for the interesting report which he has submitted.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Inspector-General of Prisons for information and guidance.

Ordered also that a copy of this Resolution and a copy of the report be submitted to the Government of India in the Home Department.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

J. G. CUMMING,

*Offg. Secretary to the Government of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 24th May 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 4·44 | 9 | 9 | Rainfall general and sufficient. Weather hot. Thinning and weeding of jute continuing. Further sowings of jute commenced at some places. Preparation of lands for the sowing of *kharif* crops going on briskly. Cattle-disease reported from Kengaon and Jamalpur thanas Stocks of food-grains and fodder and water sufficient. |
| 2 | BIRBHUM ... | 0·28 | 9 | 9 | Rainfall at Rampur Hât 0·42 inch. Weather hot. Fodder and water sufficient. No apprehension of scarcity. |
| 3 | BANKURA ... | 1·62 | 10 | 10 | Rainfall at Vishnupur 3·51 inches. Weather seasonable. Lands being prepared for *aman* paddy. Weeding of *aus* paddy going on Prospects of sugarcane and *til* fair. No cattle-disease. Fodder and water sufficient Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 1·45 | 9 | 9½ | Rainfall at Contai 4·14, at Tamluk 2 06, and at Ghatal 2 3½ inches. Rain wanted. Sowings of autumn rice completed in the Ghatal subdivision and that of jute and winter rice going on. Prospects of late cotton and *rabi* crops fair. Condition of sugarcane not good in the Tamluk subdivision. Cattle-disease in thanas Mahanpur, Gopiballavpur and Keshiari. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Contai, at 8 seers at Tamluk and at 9¼ seers at Ghatal. |
| 5 | HOOGHLY ... | 1·00 | 8 | 8 | Weather seasonable. Stocks of food-grains sufficient. Lands being prepared for cultivation. Sowings of jute commenced in the Serampore subdivision. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 2·00 | 8½ | 8½ | Rainfall beneficial to crops. Harvesting of *boro* paddy continuing. Sowings of *aus* paddy and jute progressing. Lands being prepared for winter rice. Agricultural stock in good condition. Fodder and water sufficient. |
| 7 | 24-PARGANAS | 1·94 | 9¾ | 9¾ | Weather seasonable. Sowing of jute going on. Common rice selling at 8 seers per rupee at Barasat, at 10¼ seers at Basirhat, at 9⅝ seers at Diamond Harbour, and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 4·04 | 8 9/16 | 8 9/16 | Rainfall at Ranaghat 3·26, at Meherpur 2·32, at Kushtia 4·13 and at Chuadanga 2·40 inches. Sowing of jute, *bhadoi* and *aman* paddy continuing. Weeding commenced. Prospects good. Prices of staple food-grains stationary. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Kazimpur and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 0·59 | 8½ | 8½ | One or two good showers during the week. Weather seasonable. Lands still being prepared for *aman* paddy in the Kandi and Jangipur subdivisions. *Boro* paddy being harvested in the Kandi subdivision. Condition of agricultural stock good in the Lalbagh subdivision and fair in the Kandi subdivision. Fodder sufficient, but water insufficient in several places in the Jangipur subdivision. |
| 10 | JESSORE ... | 1·69 | 9 9/16 | 9 | Rainfall at Jhenidah 2·00, at Magurah 5·46, at Narail 4·10 and at Bangaon 2·69 inches. Weather seasonable. Rainfall general. Paddy and jute seedlings doing well. Sowing still going on. Fodder and water insufficient at places. Cattle-disease reported from the Narail, Bangaon and Sadar subdivisions. Condition of agricultural stock good. |
| 11 | KHULNA ... | 3·90 | 10 | 10 | Rainfall at Bagerhat 2·75 and at Satkhira 3·00 inches. Weather seasonable. Prices of staple food-grains stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Sowing of jute and *aus* paddy in progress. Cultivation of lands for winter rice commenced. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 12 | PATNA ... | Nil | 8¾<br>13¾* | 8⅝<br>14* | Weather hot. Lands being prepared for *bhadoi* crops. Sugarcane doing well. Food-stock resources supplemented by imports. Condition of agricultural stock good. Stray cases of cattle-disease reported from Chandi and Nawbatpur. Fodder and water available. A slight shock of earthquake felt at Bihar and Barh on the evening of the 20th instant. |
| 13 | GAYA ... | Nil | 9 15/16†<br>12 13/16* | 9 15/16†<br>12 13/16* | Weather hot with east winds. *Cheena*, *marua* and sugarcane doing well. Prices of food-grains stationary. Fodder and water for cattle scarce in parts of the district. No cattle-disease. |
| 14 | SHAHABAD ... | Nil | 9¼<br>14* | 9<br>15* | Sugarcane doing well. Prices of food-grains stationary. Food-stocks below the normal. Condition of agricultural stock fair. Fodder and water sufficient. |
| 15 | SARAN ... | Nil | 9¼<br>13* | 9¾<br>13¼* | Weather seasonable. Rainfall at Gopalganj 0·04 inch. Lands being prepared for *bhadoi* crops. Gathering of cotton going on. *Marua* being transplanted. *Kodo* and *shama* being sown. Prices of staple food-crops stationary. Food-stock resources external. Agricultural stock in fair condition. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice in seers, per rupee. This week. | Price of common rice in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 0·61 | 9<br>15* | 9<br>15* | Weather very hot. Rainfall at Bettiah 0·32 inch. Slight rainfall general with very severe hail in places. Fields being prepared for *aghani* and *bhadoi* crops, sowings of which have commenced. Condition of agricultural stock fair. Fodder and water sufficient. Cattle-disease reported from Lauria. |
| 17 | MUZAFFARPUR | 0·49 | 9<br>14½* | 9<br>14½* | Weather seasonable but hot. Rainfall at Sitamarhi 0·85 inch. Common rice and maize selling at 8 and 13½ seers a rupee, respectively, at Sitamarhi and at 8 and 13 seers a rupee, respectively, at Hajipur. Cattle-disease reported in Belsand and Pupri thanas. Fodder sufficient. Water-supply improved. Sowing of *bhadoi* crops in progress. Prospects so far favourable. Number of persons on test-works in the Sitamarhi subdivision on the 20th instant—96 men, 305 women and 83 children—total 484. Number of persons gratuitously relieved and in poor-houses—2,620. One kitchen opened in the Sitamarhi subdivision. Condition of labouring classes good. Distribution of gratuitous relief organised in certain villages of Paru thana. |
| 18 | DARBHANGA ... | 1·05 | 8½<br>12 to 13* | 8½<br>12 to 13* | Weather hot with occasional storms. Some rain during the week amounting to about an inch at head-quarters but much less in the interior. Cultivation in progress except in the Singhia outpost of the Roserha thana where want of moisture is retarding agricultural operations. Food-stocks sufficient. Fodder available. Number of persons on relief-works on the 20th instant—43,118, and the number gratuitously relieved—31,409. *Makai* selling at 12 seers a rupee in the interior. |
| 19 | MONGHYR ... | ... | 8½ | 8½ | Weather seasonable. Ploughing of lands continuing but retarded in some places for want of moisture. Prices of staple food-grains stationary. Cattle-disease reported from Gogri, Surajgarh and Baktiarpur thanas. Want of water felt in some parts of the Beguserai subdivision. Fodder reported scarce in Barbigha. *Makai* not sold. |
| 20 | BHAGALPUR ... | 0·12 | 8 3/16<br>12⅔* | 8 3/16<br>12⅔* | Weather seasonable and extremely hot. Rain urgently wanted. Fodder and water sufficient. Cattle-disease reported from thana Daparkha in the Supaul subdivision. Condition of agricultural stock good. Stocks of staple food-grains sufficient. Prices of staple food-grains stationary. Number of persons on gratuitous relief—90 men, 221 women and 271 children—total 582—in the Madhipura subdivision, and 322 men, 778 women and 1,030 children—total 2,130—in the Supaul subdivision. Persons on test works—34 men, 16 women and 17 children—total 67—in the Madhipura subdivision and 98 men, 171 women and 25 children—total 294—in the Supaul subdivision. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | 0·85 | 8 | 8 | Rainfall at Araria 0·38 and at Kishanganj 1·21 inches. Weather seasonable. Weeding of jute and *bhadoi* paddy in full swing. Stocks of food-grains sufficient due to imports. Cattle-disease reported from several thanas. Fodder and water now becoming sufficient. 333 persons relieved gratuitously from private funds. Common rice selling at 8 seers a rupee at Araria and Kishanganj. |
| 22 | DARJEELING ... | 1·78 | 8<br>14* | 1[illegible] | Weather seasonable. Hills—Maize and potatoes being grown. *Bara* and *chota mandua* and *bhadoi* paddy growing. Terai—Sowing of jute and *bhadoi* crops nearly finished and that of winter rice going on. Maize and sugarcane thriving well. Prospects of jute fair. Prices of food-grains stationary. |
| 23 | SONTHAL PARGANAS. | 0·33 | 9¾<br>12* | 9¾<br>12* | Rainfall at Deoghur 1·24, at Godda 0·49, at Jamtara 1·49, at Pakour 0·44 and at Rajmahal 1·47 inches. Earthquake at Godda on Thursday night (*i.e.*, 20th instant). Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Fodder and water running short in the north of the district. Cattle-disease reported from places. |
| 24 | CUTTACK ... | 1·16 | 10½ | 10[illegible] | Sugarcane growing. *Achua* cotton being harvested. *Beali* and *saradh* paddy and jute being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | Nil | 11½ | 12 | Rainfall at Bhadrak 1[illegible]1 inches. Weather seasonable. Sowing of *saradh* and *beali* paddy and jute and planting of sugarcane continuing. Vegetables doing well. Fodder and water and food-stocks sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary at Bhadrak and rising at the Sadar Subdivision. |
| 26 | ANGUL ... | 0·87 | 15 | 15 | Weather hot and cloudy. Ploughing of lands and sowing of *bhadoi* crops in progress. Sugarcane doing well. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water available. Cattle-disease reported. |
| 27 | PURI ... | 0·14 | 9 3/16 | 9 3/16 | Rainfall at Khurda 0·32 inch. Cotton in pods. *Dalua* paddy and castor being harvested. Paddy being sown. Cattle-disease reported from Khurda. Common rice selling at 10½ seers per rupee at Khurda. 6 men, 31 women and 100 children—total 137—attending kitchens. Gratuitous relief closed. |
| 28 | SAMBALPUR ... | Nil | 12 | 12¼ | Weather occasionally cloudy. Fields being prepared for the sowing of *kharif* crops. Sugarcane plants being watered and manured. Condition of vegetables good. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest and foot-and-mouth disease reported. Common rice selling at 14⅝ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 0·09 | 8½ / 12* | 8½ / 11* | Standing crops good. Ploughing resumed. Food-stocks and fodder and water sufficient. Cattle-disease in one thana. |
| 30 | RANCHI ... | 1·31 | 9 | 9 | Weather hot and cloudy. Ploughing and sowing in progress. Much good done by rain. Cattle-disease reported from nine thanas Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 9 | 9 | Weather very hot. Sugarcane doing well. Fodder and water available. Some cattle-disease. 241 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 0·79 | 10½ | 10½ | Weather seasonable. State of standing crops good. Fields being prepared for autumn rice. Outturn of *mahua* estimated at 100 per cent. Fodder and water sufficient. Cattle-disease reported from thana Nirsha. Condition of agricultural stock good. Prices of staple food-grains almost stationary Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·90 | 9 | 9 | Weather hot. Ploughing operations going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 9 and 12 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 4·55 | 7 13/21 | 7 [illegible] | Weather hot and cloudy. Preparation of lands for *haimantik* paddy going on. Jute plants thriving well. Prospects and condition of standing crops favourable. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Name of State — Rainfall in inches.<br>Daspalla ... ... 0·29<br>Bonai ... ... 0·07<br>Keonjhar ... ... 0·12<br>Hindol ... ... 0·24<br>Talcher ... ... 0·41<br>Dhenkanal ... ... 0·28<br>Athgarh ... ... 0·12<br>Nilgiri ... ... 0·31<br>Patna ... ... 0·32<br>Mayurbhanj... ... 0·01<br>Weather very hot. Preparation of lands for the next season's crop continuing in all States. Sowing of paddy in progress in Bonai, Pal-Lahara, Keonjhar, Talchar, Dhenkanal, Athgarh and Nilgiri. *Bhadoi* crops being sown in Hindol and Nayagarh. Sugarcane growing well in Khandpara, Bonai, Talcher, Ranpur, Baud, Athmallik, Dhenkanal, Athgarh, Nayagarh, Kalahandi and Patna. Fodder and water sufficient. Price of rice varying from 12 seers in Mayurbhanj and Khandpara and 12½ seers in Athgarh to 17 seers in Patna and 18 seers in Talcher. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 15th May 1909.

GENERAL SUMMARY.—Rain fell in all districts except in South Bihar and in Monghyr, Sambalpur and Palamau. The fall was heavy in parts of Burdwan, Midnapore, Nadia, Jessore and Cooch Behar: elsewhere it was light. More rain is wanted in parts of Midnapore and Bhagalpur. Sowings of jute and paddy are in progress. Preparation of lands for early monsoon crops continues, but progress in this respect is being retarded for want of moisture in parts of Darbhanga and Monghyr. The outturn of *mahua* has been good. Sugarcane and vegetables are doing well. The price of common rice has risen in Midnapore, Saran, Balasore and Sambalpur, has fallen in Jessore, Patna and Shahabad and has been stationary elsewhere. Cattle-disease is reported from Burdwan, Midnapore, Nadia, Jessore, Patna, Champaran, Muzaffarpur, Angul, Puri and Sambalpur, and from the Bhagalpur and Chota Nagpur Divisions, Darjeeling and Singhbhum excepted. Fodder is insufficient in Jessore, Monghyr and the Sonthal Parganas. The water-supply is still scarce in parts of Murshidabad, Monghyr and the Sonthal Parganas. The number of persons on test-works in Muzaffarpur and Bhagalpur was 845 and the number on famine relief-works in Darbhanga was 43,118. 37,452 persons were gratuitously relieved in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 25th May 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan ... | ... | [illegible] | ... | ... | .. | ... | 8 12 | 8 12 | 7 0 | 9 0 | 9 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum | 9 12 | 9 12 | 7 8 | ... | ... | .. | 9 0 | [illegible] 0 | 7 8 | 9 0 | 9 0 | 7 8 | ... | ... | .. | ... | . | ... |
| | 3 | Bankura .. | 8 8 | 9 8 | 8 0 | ... | ... | ... | 9 8 | 10 0 | 7 4 | 10 0 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 10 0 | 10 0 | 8 0 | ... | .. | ... | 10 1 | 9 8 | 6 10 | 10 6 | 10 1 | 7 2 | ... | ... | ... | ... | .. | ... |
| | 5 | Hooghly | ... | ... | ... | ... | .. | .. | 7 12 | 7 12 | 6 0 | 8 0 | 8 0 | 6 8 | ... | | ... | ... | .. | ... |
| | 6 | Howrah | ... | .. | ... | ... | ... | ... | 7 0 | 7 0 | 6 4 | 8 0 | 8 0 | 7 4 | ... | | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | 8 4 | 8 0 | 7 4 | ... | . | ... | 8 8 | 8 8 | [illegible]12 | 9 8 | 9 0 | 7 0 | ... | . | ... | ... | ... | ... |
| | 8 | Calcutta | 8 4 | 7 8 | 7 8 | 13 0 | 12 8 | 10 12 | Not reported. | [illegible] | 6 6 | 10 0 | 10 0 | 8 0 | — | ... | ... | 13 12 | 13 12 | ... |
| | 9 | Nadia . | 9 14 | 9 2 | 8 0 | 12 13 | 12 4 | ... | 8 0 | 8 0 | 6 3 | 8 9 | 8 8 | 6 7 | ... | .. | — | .. | — | ... |
| | 10 | Murshidabad | 10 8 | 10 0 | 8 0 | 16 0 | 15 8 | 14 0 | Not reported. | ... | 6 0 | 9 0 | 8 4 | 7 0 | ... | .. | ... | .. | ... | ... |
| | 11 | Jessore . | 6 8 | 6 8 | 6 6 | 8 0 | 7 8 | 10 0 | 8 8 | 8 4 | 6 10 | 9 4 | 9 4 | 7 2 | ... | ... | ... | . | — | ... |
| | 12 | Khulna ... | ... | ... | [illegible] | ... | ... | .. | 8 12 | 8 8 | 7 8 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 10 4 | 10 0 | 8 8 | 16 0 | 16 4 | 12 0 | 8 12 | 9 0 | 7 6 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 10 0 | 10 4 | 7 0 | 14 0 | 15 6 | 11 0 | 9 3 | 9 3 | 7 0 | Rangoon. 9 12 | 10 2 | 7 8 | ... | 13 5 | 9 0 | ... | ... | ... |
| | 15 | Shahabad ... | 11 0 | 10 0 | 8 8 | 14 0 | 14 0 | 11 0 | 9 4 | 9 8 | 7 3 | 9 0 | 9 8 | 8 0 | ... | ... | .. | ... | ... | ... |
| Tirhut Division. | 16 | Saran ... | 10 0 | 10 0 | 9 0 | 15 0 | 15 8 | 12 0 | 9 0 | 9 0 | 7 0 | 10 0 | 10 0 | 8 4 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 0 | 9 0 | 8 8 | 18 0 | 19 0 | 15 0 | 8 8 | 8 8 | 7 8 | 9 0 | 9 0 | 8 0 | ... | .. | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 8 0 | 14 0 | 15 0 | 13 0 | 6 0 | 6 0 | 7 0 | 9 0 | 9 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 12 | 8 3 | 7 11 | 15 6 | 14 4 | 13 3 | 7 0 | 7 11 | 7 11 | 8 8 | 8 8 | 8 12 | ... | ... | ... | ... | ... | ... |

A. In the subdivisions the retail prices of salt per rupee are—Katwa 18¼ seers; Asansol 21 seers; Kalna 22¾ seers; Raniganj 21 seers.
B. At Rampur Hât report not received.
C. At Vishnupur the retail price of salt is 22 seers per rupee.
D. In the subdivisions the retail prices of salt per rupee are—Contai 20 seers; Tamluk 20 seers; Ghatal 22½ seers.
E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers, Arambagh 16 seers.
F. At Ulubaria the retail price of salt is 20 seers per rupee (panga).
G. In the marts in the interior of the district the retail prices of salt per rupee are—Chetua 22½ seers (karkatch); Barasat 16 seers, Baduria 21 5/16 seers; Mograhat 21 seers; Vishnupur 16 seers; Barrackpore 16 seers.
H. In the subdivisions the retail prices of salt per rupee are—Kushtia 21 seers (panga); Chuadanga 16 seers (karkatch); Meherpur 19¾ seers (karkatch); Ranaghat 20 seers (crushed).

*Station Bazars of the districts of Bengal on the 15th May 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chhola, Kadalay or Chanaga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cadjan Pea (*Cajanus indicus*) | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 8 | 9 8 | ... | ... | .. | 9 0 | 9 0 | 7 9 | A 21 0 | 21 0 | 19 0 | 1 12 0 | Liverpool. 1 12 0 | 1 13 0 | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 9 0 | | | | 7 8 | 7 8 | 6 6 | B 20 0 | 20 0 | 15 12 | 1 15 0 | Karkatch. 1 14 0 | 2 4 0 | 2 |
| ... | ... | ... | ... | | ... | 9 8 | 9 8 | 8 8 | . | | ... | 9 0 | 9 8 | 7 8 | C 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | .. | | .. | ... | 10 0 | 11 14 | {7 0 to 8 0} | .. | ... | .. | 7 0 | 7 0 | 6 8 | D Crushed 20 0 / Bombay 18 0 | Crushed 20 0 / Bombay 19 0 | 20 0 / 18 8 | 1 12 0 / 1 14 0 | Crushed 1 12 0 / Bombay 1 14 0 | 1 12 0 / 2 0 0 | 4 |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 7 8 | . | .. | . | 7 0 | 7 0 | 6 8 | E 20 0 | 20 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 4 0 | 5 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 0 | | ... | ... | 7 8 | 7 8 | 6 12 | F 20 0 | 20 0 | 16 0 | 1 8 0 | 1 8 0 | 2 8 0 | 6 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 9 0 | ... | .. | ... | 10 0 | 10 0 | 8 0 | G 26 0 | 26 0 | 24 0 | 1 8 0 | Panga. 1 8 0 | 1 9 0 | 7 |
| ... | ... | .. | 9 0 | 9 0 | 9 0 | 9 0 | 9 0 | 9 6 | 13 | 13 8 | 10 0 | 7 12 | 7 12 | 7 4 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | .. | .. | ... | .. | ... | 12 13 | 13 0 | 10 8 | . | ... | ... | 6 12 | 6 8 | 6 8 | H 16 0 | 16 0 | 16 0 | 1 11 0 | Karkatch. 1 13 0 | 1 11 0 | 9 |
| ... | ... | .. | ... | ... | ... | 11 0 | 14 0 | 11 0 | . | .. | .. | 10 8 | 10 8 | 7 0 | I 21 0 | 21 0 | 18 0 | 1 11 0 | 1 11 0 | 2 1 6 | 10 |
| ... | ... | ... | ... | ... | .. | 8 8 | 8 8 | 10 0 | . | | . | 0 | 11 4 | 10 10 | J 2[illegible] 8 | 23 12 | 20 0 | 1 12 0 | Panga. 1 11 0 | 2 0 0 | 11 |
| ... | ... | ... | ... | .. | ... | 12 0 | 12 0 | 9 0 | . | ... | ... | 5 8 | 5 8 | 7 0 | K 16 0 | 16 0 | 16 0 | 2 0 | 2 0 0 | 2 6 0 | 12 |
| ... | ... | ... | ... | ... | ... | 13 8 | 13 4 | 11 8 | 14 0 | 14 12 | 11 0 | 10 4 | 10 0 | 8 8 | L 18 0 | 19 0 | 19 0 | 2 1 | Panga 2 0 0 | 2 0 0 | 13 |
| ... | ... | ... | 10 0 | 12 5 | 7 0 | 12 4 | 15 5 | 10 0 | 12 8 | 13 5 | 9 12 | 9 8 | 9 3 | 7 0 | M 20 0 | 20 8 | 20 0 | 2 0 | 1 15 0 | 2 0 0 | 14 |
| .. | ... | ... | ... | ... | ... | 14 0 | 14 0 | 11 8 | 15 0 | 15 0 | 10 0 | 11 0 | 11 0 | 8 0 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 0 0 | 15 |
| 14 0 | 15 0 | 15 0 | 10 0 | ... | ... | 13 8 | 13 0 | 11 0 | 13 4 | 13 8 | 10 0 | 12 0 | 12 0 | 10 0 | O 21 0 | 21 0 | 20 0 | 1 14 6 | Panga 1 14 6 | 2 0 0 | 16 |
| 15 0 | 15 0 | 11 12 | ... | ... | ... | 13 8 | 13 8 | 11 8 | 15 0 | 15 8 | 11 8 | 10 0 | 9 8 | 8 8 | P 18 0 | 18 0 | 17 0 | 2 3 9 | 2 3 9 | 2 4 9 | 17 |
| 14 0 | 15 0 | ... | ... | ... | ... | 12 8 | 12 0 | 10 0 | 14 8 | 14 4 | 10 0 | 10 0 | 9 0 | 8 8 | Q 19 0 | 19 0 | 19 0 | 2 1 0 | 2 1 6 | 2 1 6 | 18 |
| 13 3 | 13 3 | 13 3 | ... | ... | ... | 12 1 | 11 0 | 11 9 | 13 3 | 13 3 | 12 1 | 8 12 | 8 12 | 8 12 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 |

I. In the subdivisions the retail prices of salt per rupee are—Lalbagh 20 seers; and Kandi 20 seers.
J. In the subdivisions the retail prices of salt per rupee are—Jhenida 19 seers; Magura 16 seers, Bargaon 21 seers; and Narail 19 seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. In the subdivisions the retail prices of salt per rupee are—Dinapore 17 seers; Barh 20 seers; Bihar 18¼ seers.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah report not received, and Jehanabad 20 seers.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua 20 seers, and Sasaram 20 seers.
O. In the subdivisions the retail prices of salt per rupee are—Siwan 22 1/16 seers (panga); Gopalganj 19¾ seers (panga).
P. At Bettiah the retail price of salt is 19 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 20 seers; Hajipur 20 seers.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 20 seers; Madhubani 19¼ seers.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr ... | 10 8 | 10 8 | 9 8 | 11 8 | 14 8 | 14 0 | 8 0 | 8 8 | 7 4 | 8 4 | 8 12 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur | 10 0 | 9 7 | 8 14 | 15 0 | 14 8 | 12 10 | 7 3 | 7 9 | 7 10 | 8 3 | 8 14 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 0 | 8 0 | 9 3 | ... | ... | ... | 7 0 | 7 5 | 7 8 | 8 0 | 9 8 | 8 0 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling .. | 6 0 | 6 8 | 5 0 | 8 [illegible] | 8 0 | 6 8 | 4 0 | 4 0 | .. | 8 0 | 8 0 | 7 0 | ... | ... | .. | ... | ... | ... |
| | 24 | Sonthal Parganas. | 8 8 | 8 8 | 6 8 | 14 0 | 12 0 | 8 8 | 8 8 | 9 4 | 7 8 | 9 12 | 10 4 | 8 0 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 6 0 | 6 0 | 7 14 | ... | .. | ... | 10 8 | 10 8 | 7 8 | 10 [illegible] | 10 8 | 7 14 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore ... | 8 0 | 8 0 | 7 2 | ... | ... | ... | 11 0 | 11 0 | 7 0 | 12 0 | 11 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | 5 0 | 5 0 | 5 0 | ... | .. | ... | 15 0 | 15 0 | [illegible] 0 | 15 0 | 15 0 | 6 0 | ... | — | ... | ... | ... | ... |
| | 28 | Puri ... | 8 8 | 8 8 | 7 14 | .. | ... | ... | 9 3 | 9 [illegible] | 6 9 | 10 8 | 11 2 | 7 8 | ... | ... | — | — | — | ... |
| | 29 | Sambalpur... | 9 0 | 9 0 | 8 0 | ... | ... | ... | 11 [illegible] | 11 0 | 8 0 | 12 4 | 12 0 | 9 0 | ... | ... | — | ... | ... | ... |
| CHOTA NAGPUR | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 12 | 8 8 | 7 0 | 12 0 | 12 0 | 9 0 | 8 8 | 8 8 | 6 8 | 9 0 | 9 4 | 7 0 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 7 12 to 8 8 | 7 8 to 8 0 | 6 8 to 7 0 | 13 4 | 13 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 0 | 10 8 | 8 0 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | 9 0 | . | 13 8 | 14 10 | .. | 6 12 | 6 3 | 7 5 | 9 9 | 9 9 | 8 7 | ... | — | ... | ... | — | — |
| | 33 | Manbhum . | 8 8 | 8 8 | 8 | 10 0 | 10 0 | 10 0 | 9 0 | 10 0 | 7 0 | 10 8 | 11 0 | 7 8 | ... | ... | ... | 12 0 | 8 8 | — |
| | 34 | Singhbhum | 9 0 | 9 0 | 8 0 | ... | ... | ... | 7 8 | 7 8 | 6 0 | 9 8 | 9 8 | 6 8 | ... | — | ... | — | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers ; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers ; Madhipura 13 seers ; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers ; Basantpur 16 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong 16 seers ; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers ; Deoghur 20 seers ; Pakur 20 seers ; and Rajmahal 20 seers.

CALCUTTA,
*The 21st May 1909.*

*Station Bazars of the districts of Bengal on the 15th May 1909*—concld.

| SEERS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY, OR SUNGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 12 8 | 13 8 | 12 0 | ... | 13 8 | ... | 9 12 | 9 12 | 9 0 | S 20 0 | 20 0 | 18 12 | 2 0 0 | Panga. 12 0 0 | 12 4 0 | | | | 20 |
| ... | ... | ... | | ... | ... | 12 0 | 12 0 | 10 2 | 11 4 | 13 7 | 12 10 | 9 0 | 8 10 | 8 14 | T 20 0 | 20 0 | [illegible] 12 | 2 0 0 | Panga. 2 0 0 | 1 15 6 | | | | 21 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 0 | 13 0 | 13 0 | ... | 7 8 | 7 8 | 6 8 | U 18 0 | [illegible] | 13 0 | 2 4 0 | Panga. 2 4 0 | 3 1 3 | | | | 22 |
| 11 0 | 11 0 | 10 8 | ... | ... | ... | 8 0 | 8 0 | 7 8 | 14 0 | 15 0 | 10 0 | 5 4 | 5 4 | 5 8 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | | | | 23 |
| ... | ... | ... | ... | ... | ... | 10 8 | 12 0 | 9 0 | 12 0 | 12 0 | 9 0 | 9 0 | 9 0 | 6 0 | W 18 0 | 18 0 | 17 0 | 2 3 6 | Karkatch. 2 3 6 | 2 4 0 | | | | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 12 7 | 12 7 | 10 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 13 0 | Karkatch. 1 13 0 | 1 13 0 | | | | 25 |
| ... | ... | ... | ... | ... | ... | Chhola. 10 10 / Biri. 10 10 | 11 4 / 11 4 | 8 8 / 10 0 | ... | ... | ... | 6 8 | 6 8 | 6 6 | Y 21 4 | 21 0 | 20 0 | 1 11 6 | Panga. 1 14 0 | 1 1 14 0 | | | | 26 |
| ... | ... | ... | ... | ... | ... | Biri. 9 0 | 9 0 | 8 0 | ... | ... | ... | 13 0 | 13 0 | 9 0 | Z 16 0 | 16 0 | 13 0 | 2 4 0 | Karkatch. 2 4 0 | 2 6 0 | | | | 27 |
| ... | ... | ... | ... | ... | ... | Biri. 10 13 | 11 2 | 9 13 | ... | ... | ... | 6 14 | 7 3 | 6 14 | a 25 0 | 25 0 | 25 0 | 1 9 0 | 1 9 0 | 1 10 0 | | | | 28 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 8 8 | ... | ... | ... | 7 0 | 6 8 to 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | | | | 29 |
| 14 8 | 14 8 | 9 0 | ... | ... | ... | 11 4 | 11 8 | 9 0 | 11 0 | 12 0 | 9 0 | 8 0 | 8 8 | 6 8 | 16 0 | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 8 0 | | | | 30 |
| 17 0 | 16 0 | 10 0 | ... | ... | ... | 11 0 | 10 8 | 8 0 | 13 4 | 14 0 | 8 0 | 6 8 to 8 0 | 5 0 to 8 0 | 5 0 to 6 12 | [illegible] | 17 0 | 17 0 | 2 4 0 | Panga. 2 5 0 | 2 6 0 | | | | 31 |
| ... | ... | ... | ... | ... | ... | 11 13 | 12 6 | 9 9 | 11 13 | ... | 9 0 | 9 0 | 9 0 | 7 5 | 19 2 | 18 9 | 18 9 | ... | ... | ... | | | | 32 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 9 0 | ... | ... | ... | 8 4 | 8 0 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 0 6 | Panga. 2 0 6 | 2 4 0 | | | | 33 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 4 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 6 0 | | | | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kondrapara 18 seers (panga); Jajpur 16 seers.
Y. The retail price of salt at Bhadrak is 18 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bantla 16 seers (karkatch); Phulbani 14 seers.
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbaid 16 seers; Jhalda 16 seers.

**Published for general information.**

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 14 0 | 6 14 0 | 7 0 0 | Not reported. | 5 [illegible] 0 | 6 0 0 | 3 12 0 | 3 12 0 | 4 12 0 | 4 10 0 | 4 14 0 | 5 0 0 |
| 2 | Burdwan ... | 5 0 0 | [illegible] 0 0 | 6 12 0 | 4 12 0 | 4 12 0 | 6 0 0 | 4 8 0 | 4 8 0 | 5 10 0 | ... | ... | ... |
| 3 | Midnapore ... | 5 2 0 | 5 2 0 | [illegible] 0 | 4 0 0 to 4 1 0 | 4 0 0 | 5 12 0 | 3 11 0 | 3 11 0 | 5 2 0 | ... | ... | ... |
| 4 | Patna ... | 6 14 0 | 6 10 0 | 8 8 0 | 4 8 6 | 4 6 0 | 5 6 0 | 3 15 0 | 3 15 0 | 4 13 0 | 3 13 0 | 3 12 0 | 4 10 0 |
| 5 | Muzaffarpur . | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 5 11 6 | 4 7 0 | 4 7 0 | 4 10 6 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur ... | 6 6 0 | 6 6 0 | 6 5 0 | 5 7 0 | 5 7 0 | 5 1 0 | 4 14 0 | 4 8 0 | 4 14 0 | 4 0 0 | 4 4 0 | New 4 8 0 |
| 7 | Cuttack . | 7 3 0 | 7 3 0 | 7 3 0 | 3 12 11 | 3 12 11 | 5 5 [illegible] | 3 12 11 | 3 12 11 | 5 1 3 | 6 10 8 | 6 10 8 | 5 1 3 |
| 8 | Sambalpur ... | 5 15 0 | 5 15 0 | 6 0 0 | 3 6 0 | 3 7 0 | [illegible] 0 | 3 2 0 | 3 3 0 | 4 3 0 | 4 5 0 | 3 12 0 | 4 14 0 |
| 9 | Ranchi ... | 5 5 0 | 5 5 0 | 8 0 0 | 4 7 0 | 4 7 [illegible] | 6 4 0 | 4 0 0 | 3 12 0 | 5 0 0 | 4 11 0 to 5 2 0 | 5 0 0 to 5 5 0 | 5 12 0 to 6 0 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 2 12 0 | 3 12 0 | 4 12 0 | 4 12 0 | 5 1 0 | 5 4 0 | 5 1 0 | 5 8 0 | 4 12 0 | 4 12 0 | 6 4 0 |
| 2 | Burdwan ... | ... | . | ... | 4 8 0 | 4 8 0 | 5 2 0 | ... | ... | ... | 5 4 0 | 5 0 0 | 6 12 0 |
| 3 | Midnapore ... | ... | ... | ... | 5 4 0 | 5 4 0 | 6 0 0 | 4 14 0 | 4 14 0 | 5 4 0 | Black mustard. 5 8 0 / Rapeseed. 4 14 0 | 5 8 0 / 4 14 0 | 7 4 0 / 6 14 0 |
| 4 | Patna ... | 2 13 0 | 2 10 0 | 3 10 0 | 3 13 0 | 3 15 0 | 4 10 0 | 5 0 0 | 5 7 0 | 5 7 0 | 4 8 0 | 4 10 0 | 6 8 0 |
| 5 | Muzaffarpur ... | 2 12 0 | 2 12 0 | 4 0 0 | 4 0 0 | 4 7 0 | 4 7 0 | ... | .. | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 3 9 0 | 3 4 0 | 3 2 6 | 4 7 0 | 4 10 2 | New 4 8 0 | 5 7 0 | 5 4 0 | 5 11 0 | 4 6 0 / 4 1 0 | Rapeseed 4 0 0 / Mustard. 4 1 6 | 6 7 0 / 6 4 0 |
| 7 | Cuttack ... | ... | ... | . | 3 12 11 | 3 12 11 | 3 12 8 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 7 4 0 |
| 9 | Ranchi .. | ... | ... | ... | 5 0 0 to 6 0 0 | 5 0 0 to 8 0 0 | 5 0 0 to 6 12 0 | 6 0 0 | 5 0 0 | 10 0 0 | 5 0 0 to 5 8 0 | 5 8 0 | 8 8 0 |

*the undermentioned Marts of Bengal on the 15th May 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 0 0 | 3 2 0 | 3 10 0 | ... | ... | ... | 2 14 0 | 2 12 0 | ... | ... | — | — | 3 14 0 | 3 14 0 | 4 0 0 | 1 |
| — | — | — | — | ... | | ... | — | .. | ... | ... | ... | 3 1 0 | 3 0 0 | 4 1 0 | 2 |
| ... | ... | - | — | ... | — | ... | ... | ... | - | ... | . | 3 8 0 to 4 4 0 | 3 6 0 | 4 4 0 to 4 12 0 | 3 |
| 2 7 0 | 2 6 6 | 3 4 0 | ... | .. | ... | ... | ... | .. | ... | ... | ... | 2 14 6 | 3 0 0 | 3 7 0 | 4 |
| 2 13 9 | 2 10 6 | 3 1 3 | — | . | — | — | — | ... | 2 13 9 | 2 10 6 | ... | 3 3 0 | 3 5 3 | 4 0 0 | 5 |
| 2 11 0 | 2 14 0 | 3 2 6 | ... | . | — | ... | .. | . | — | . | ... | 3 [illegible] 0 | 3 5 0 | 3 15 0 | 6 |
| — | — | ... | ... | .. | - | | .. | ... | ... | ... | ... | Biri or kalai. 3 3 5 | 3 3 5 | 3 12 8 | 7 |
| ... | — | ... | . | — | .. | — | — | ... | ... | ... | ... | 3 7 6 | 3 7 6 | 4 9 0 | 8 |
| 3 0 0 | 3 1 0 | 5 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 3 12 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 4 0 | 6 4 0 | 4 14 0 | 4 12 0 | 5 0 0 | 18 0 0 | 18 0 0 | 18 0 0 | 5 12 0 | 5 12 0 | 5 8 0 | 1 |
| ... | ... | - | 8 0 0 | 8 4 0 | 4 0 0 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 0 0 | 7 8 0 | 5 0 0 to 5 6 0 | 20 0 0 to 24 0 0 | 24 0 0 | 20 0 0 to 24 0 0 | — | ... | ... | 3 |
| 5 0 0 | 5 4 0 | 7 0 0 | 4 8 0 to 5 0 0 | 4 8 0 to 5 0 0 | 6 0 0 | 18 8 0 | 18 8 0 | 16 0 0 to 19 0 0 | ... | ... | 3 0 0 to 5 0 0 | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 3 5 3 | — | ... | — | ... | ... | ... | 5 |
| ... | — | ... | 4 12 0 | 4 12 0 | 4 4 0 | 20 0 0 | 20 0 0 | 20 0 0 | ... | — | | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 0 0 | 6 0 0 | 5 8 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 4 12 0 | 8 |
| ... | ... | ... | 6 0 0 | 5 12 0 | 6 2 0 | 23 0 0 | 23 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | P or 100 pieces. | |
| 1 | Calcutta ... | 40 0 0 | 40 0 0 | 42 0 0 | 8 0 0 | [illegible] 0 0 | 8 0 0 | 380 0 0 | 380 0 0 | 400 0 0 |
| 2 | Burdwan .. | 35 0 0 | 35 0 0 | 38 0 0 | ... | | ... | ... | ... | ... |
| | | | | | Madhukhali. | | | Uncleaned per piece. | | |
| 3 | Midnapore ... | 37 0 0 to 42 0 0 | 36 0 0 to 38 0 0 | 37 0 0 to 42 0 0 | 13 0 0 | 13 0 0 | 9 8 0 | 2 12 0 to 3 8 0 | 2 12 0 to 3 8 0 | 2 4 0 to 3 0 0 |
| | | | | | Palta. | | | Cleaned per piece. | | |
| | | | | | 11 0 0 | 14 8 0 | 11 0 0 | 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 2 8 0 to 3 4 0 |
| | | | | | Deuji. | | | | | |
| 4 | Patna ... | 32 0 0 to 35 0 0 | 31 0 0 to 35 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 0 0 to 4 0 0 | ... | ... | 33 0 0 to 36 0 0 |
| 5 | Muzaffarpur ... | 30 7 6 | 30 7 6 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | . | ... | — |
| 6 | Bhagalpur .. | 31 0 0 | 32 0 0 | 41 0 0 | 12 0 0 | 12 0 0 | 12 0 0 | ... | ... | ... |
| 7 | Cuttack .. | 41 14 5 | 41 14 5 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| | Sambalpur ... | 36 4 0 to 37 8 0 | 36 4 0 to 37 8 0 | 39 0 0 | 16 0 0 | 16 0 0 | 16 0 0 | 40 0 0 | 40 0 0 | 40 0 0 |
| | | | | | | | | | Per piece. | |
| 9 | Ranchi .. | 34 0 0 | 34 12 0 | 40 0 0 | 8 0 0 to 13 0 0 | 8 0 0 to 12 0 0 | 10 0 0 to 16 0 0 | ... | 3 8 0 | 3 0 0 to 3 8 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | Panga. | | | | |
| 1 | Calcutta ... | 6 0 0 | 6 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 1 12 0 | 1 12 0 | ... |
| | | | | | | | | | Panga. | | | | |
| 2 | Burdwan ... | ... | .. | ... | 0 9 0 | 0 9 0 | 0 9 0 | 1 12 0 | 1 12 0 | .. | ... | ... | ... |
| | | | | | | | | | Crushed. | | | | |
| 3 | Midnapore .. | 2 8 0 to 4 0 0 | 2 8 0 to 4 0 0 | 2 8 0 to 5 0 0 | 0 5 0 | 0 4 0 | 0 4 0 | 1 12 0 / 2 0 0 | 1 12 0 / Bombay. 1 14 0 | 1 12 0 / 2 0 0 | ... | ... | ... |
| | | | | | | | | | Panga. | | | | |
| 4 | Patna ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 | 2 8 0 to 5 0 0 | 0 6 6 | 0 6 [illegible] | 0 7 0 | 2 4 0 | 2 0 0 | 2 0 0 | 1 0 0 | 1 0 0 | ... |
| | | | | | | | | | Panga. | | | | |
| 5 | Muzaffarpur . | 3 0 0 | 8 0 0 | 8 0 0 | 0 5 3 | 0 5 3 | 0 8 0 | 2 1 6 | 2 1 6 | 2 1 6 | 0 10 6 | 0 10 6 | ... |
| | | | | | | | | | Panga. | | | | |
| 6 | Bhagalpur ... | 4 6 [illegible] | 4 8 | 5 0 0 | 0 6 0 | 0 6 0 | 0 6 0 | 2 0 0 | 2 0 0 | 1 15 6 | 0 8 0 | 0 8 0 | ... |
| | | | | | | | | | Karkatch. | | | | |
| 7 | Cuttack .. | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... |
| | | | | | | | | | Karkatch. | | | | |
| 8 | Sambalpur .. | ... | ... | ... | 0 4 0 | 0 4 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... |
| | | | | | | | | | Panga. | | | | |
| 9 | Ranchi ... | 5 0 0 | 5 0 0 | 6 0 0 | 0 4 6 | 0 4 6 | 0 5 3 | 2 4 0 | 2 6 0 | 2 6 0 | 2 8 0 | 2 8 0 | ... |

CALCUTTA,
*The 21st May 1909.*

*the undermentioned Marts of Bengal on the 15th May 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 4 0 | 1 4 0 | 1 2 0 | 0 12 0 | 0 [illegible] 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 6 0 | 0 6 6 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | ... | ... | 0 8 0 | 0 8 0 | 0 5 0 | .. | .. | ... | Midnapore ... | 3 |
| ... | ... | 0 8 0 | 0 14 0 | 0 12 0 | 0 8 0 | .. | ... | ... | Patna ... | 4 |
| — | ... | .. | . | ... | ... | ... | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | | . | | .. | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | — | ... | Cuttack ... | 7 |
| ... | ... | ... | . | . | ... | ... | — | — | Sambalpur ... | 8 |
| 0 10 0 | 0 10 0 | 0 12 0 | 0 14 0 | 0 14 0 | 1 0 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 14 0 | 2 14 0 | ... | 3 8 0 | 3 8 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| 3 5 0 | 3 6 0 | ... | ... | ... | .. | Per tin. (Bull brand.) 1 8 0 | 1 8 0 | ... | Burdwan ... | 2 |
| 0 12 0 | 0 12 0 | ... | 4 8 0 | 4 8 0 | ... | Per tin. (Elephant brand.) 2 0 3 | 2 [illegible] 0 | ... | Midnapore .. | 3 |
| 2 4 0 | 2 4 0 | ... | ... | ... | ... | Per tin. 1 12 6 to 2 1 0 | 2 0 0 to 2 4 0 | (Victoria brand.) (Elephant brand.) | Patna .. | 4 |
| 3 1 3 | 3 1 3 | ... | 4 0 0 | 4 0 0 | ... | Per tin. 1 8 0 | 1 8 0 | (Victoria brand.) | Muzaffarpur ... | 5 |
| 2 4 0 | 2 8 0 | ... | 3 8 0 | 3 3 0 | ... | Per tin. 1 9 0 to 3 6 0 | 1 15 2 to 3 4 0 | (Swan brand.) (Snowflake brand.) | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | ... | 5 1 4 | 5 1 4 | ... | Per tin. 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | Per tin. 1 13 0 to 3 7 0 | 2 1 9 to 3 7 0 | (Victoria brand.) (Snowflake brand.) | Sambalpur ... | 8 |
| 3 5 0 | 3 0 0 | ... | 4 0 0 | 4 0 0 | ... | Per tin. 2 2 0 to 3 4 0 | 2 5 0 to 3 8 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 22nd May 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 22nd May 1909. | | | Week ending Saturday, the 23rd May 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... .. | 426 | 64,260 | 974 | 425 | 1,31,831 | 1,471 |
| Jute ... ... | 23 | 16,950* | 167 | 95 | 43,989† | 547 |
| Firewood ... ... | 43 | 40,050 | 610 | 35 | 29,612 | 488 |
| Other articles ... .. | 581 | 1,90,298 | 2,272 | 583 | 1,94,630 | 2,333 |
| Total ... | 1,073 | 3,11,558 | 4,023 | 1,138 | 4,06,062 | 4,839 |

* Weight by canal measurement, 20,462½ maunds.
† Ditto ditto, 56,475 ,,

CALCUTTA,
*The 25th May 1909.*

E. R. SIRET,
for *Under-Secy. to the Govt. of Bengal.*

# METEOROLOGICAL REPORT OF THE PROVINCES OF EASTERN BENGAL AND ASSAM AND OF BENGAL FOR THE MONTH OF APRIL 1909.

| Meteorological Division. | Division. | District. | Representative Stations. | Air Pressure. Highest, 8 A.M., barometer reading. | Air Pressure. Lowest, 8 A.M., barometer reading. | Air Pressure. Mean, 8 A.M., reduced to 32°. | Air Pressure. Mean reduced to sea-level and constant gravity, Lat. 45°. | Air Pressure. Departure from normal mean. | Wind. Mean direction at 8 A.M. | Wind. Mean velocity in miles daily. | Temperature. Highest of month. | Temperature. Lowest of month. | Temperature. Mean daily maximum temperature. | Temperature. Mean daily minimum temperature. | Temperature. Mean daily temperature. | Temperature. Departure from normal mean. | Humidity. Mean, 8 A.M. | Humidity. Departure from normal mean. | Cloud. Mean cloud amount, 8 A.M. | Cloud. Departure from normal mean, 8 A.M. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Assam. | | Dibrugarh... | Dibrugarh ... | 29·660 | 29·466 | 29·565a | 29·[illegible]9a | — | N62°E | 55 | 89·4 | 61·1 | 79·7 | 65·7 | 72·8 | — | 89 | — | 7·5 | — | 9·09 |
| | | Sibsagar ... | Sibsagar ... | 29·690 | 29·503 | 29·596a | 29·805a | +·049 | N43°E | 65 | 88·6 | 61·6 | 80·5 | 64·0a | ? | ? | 85 | —5 | 8·4 | +1·5 | 7·47 |
| | | Tezpur ... | Tezpur ... | 29·765 | 29·546 | 29·656 | 29·876 | — | N66°E | 132 | 94·1 | 64·9 | 84·5 | 67·9 | 76·3 | — | 85 | — | 6·5 | — | 4·50 |
| | | Kamrup ... | Gauhati ... | 29·826 | 29·627 | 29·728 | 29·864 | — | N32°E | 65 | 100·5 | 64·1 | 87·0 | 67·9 | 77·4 | — | 83 | — | 8·2 | — | 6·29 |
| | | Goalpara ... | Dhubri ... | 29·876 | 29·694 | 29·786 | 29·860 | +·065 | N83°E | 249 | 98·5 | 66·3 | 85·5 | 69·5 | 77·5 | —2·2 | 88 | +4 | 3·0 | —2·0 | 7·99 |
| | | Cachar ... | Silchar ... | 29·901 | 29·689 | 29·819 | 29·878 | +·042 | S75°E | 108 | 98·3 | 63·3 | 87·3 | 68·0a | 77·6a | —1·2 | 81 | —2 | 3·9 | —2·2 | 8·33 |
| | | Khasia and Jaintia Hills | Shillong ... | 25·245 | 24·990 | 25·137a | 25·089a | — | S37°W | 144 | 79·9 | 48·7 | 70·2 | 54·0a | 62·2 | — | 67 | — | 5·7 | — | 5·68 |
| | | | Cherrapunji | 25·756 | 25·598 | 25·699 | 25·650 | — | N87°W | 185 | 73·7 | 52·8 | 70·6 | 57·7 | 63·9 | — | 83 | — | 6·9 | — | 22·34 |
| Eastern Bengal, North. | Rajshahi. | Rajshahi ... | Rampur Boalia | 29·915 | 29·695 | 29·813 | 29·833 | +·081 | S14°E | 108 | 102·1 | 65·1 | 92·[illegible] | 70·7 | 81·4 | —3·2 | 76 | +1 | 3·6 | — | 3·94 |
| | | Malda ... | Malda ... | 29·893 | 29·663 | 29·79[illegible] | 29·815 | +·066 | S73°E | 140 | 102·8 | 63·5 | [illegible]3·0 | 70·5 | 81·7 | —2·3 | 81 | +15 | 2·5 | — | 1·78 |
| | | Dinajpur ... | Dinajpur ... | 29·822 | 29·632 | 29·713 | 29·823 | +·049 | N87°E | 118 | 102·3 | 65·[illegible] | 91·2 | 69·3 | 80·3 | —2·4 | 79 | +7 | 5·5 | +1·4 | 4·80 |
| | | Jalpaiguri... | Jalpaiguri ... | 29·686 | 29·511 | 29·606 | 29·853 | +·057 | N69°E | 53 | 95·9 | 60·9 | 87·0 | 67·9 | 77·4 | —1·4 | 79 | +3 | 6·7 | +3·9 | 6·03 |
| | | Cooch Behar | Cooch Behar | 29·876 | 29·655 | 29·748 | 29·863 | — | N83°E | 66 | 94·8 | 65·6 | 85·7 | 68·4 | 77·1 | — | 82 | +2 | 6·5 | — | 9·24 |
| | | Rangpur ... | Rangpur ... | 29·860 | 29·682 | 29·775 | 29·856 | +·078 | S74°E | 35 | 99·1 | 61·0 | 88·7 | 66·8 | 77·7 | —[illegible]·5 | 77 | —3 | 3·0 | — | 5·60 |
| | | Bogra ... | Bogra ... | 29·905 | 29·727 | 29·827 | 29·855 | +·075 | S87°E | 61 | 103·2 | 66·2 | 92·8 | 69·6 | 81·2 | —2·9 | 70 | —7 | 2·7 | —1·1 | 1·92 |
| | | Pabna ... | Sirajganj .. | 29·945 | 29·728 | 29·846 | 29·845 | +·076 | S79°E | 97 | 100·4 | 62·5 | 88·9 | 69·7 | 79·3 | —3·7 | 77 | —6 | 6·4 | — | 6·46 |
| Eastern Bengal, South. | Dacca. | Dacca ... | Narayanganj | 29·954 | 29·735 | 29·866 | 29·841 | +·055 | S71°E | 91 | 96·0 | 65·3 | 89·1 | 71·3 | 80·2 | —3·6 | 80 | —2 | 5·6 | —0·3 | 5·84 |
| | | Mymensingh | Mymensingh | 29·925 | 29·738 | 29·84[illegible] | [illegible]·863 | +·072 | S87°E | 70 | 100·1 | 63·6 | 85·3 | 69·7 | 79·6 | —2·5 | 77 | —5 | 6·6 | +1·5 | 5·28 |
| | | Faridpur .. | Faridpur ... | 29·929 | 29·722 | 29·84[illegible] | 29·842 | +·047 | S27°E | 80 | 99·4 | 64·9 | 90·3 | 70·5 | 80·4 | —2·6 | 81 | —2 | 4·5 | — | 7·15 |
| | | Backergunge | Bashal .. | 29·955 | 29·758 | 29·879 | 29·837 | +·046 | S31°E | 72 | 96·3 | 64·6 | 90·6 | 72·1 | 81·3 | —2·5 | 79 | —3 | 4·9 | 0 | 7·55 |
| | Chittagong. | Tippera ... | Comilla ... | 29·844 | 29·752 | 29·862b | 29·[illegible]65 | +·035 | S4[illegible]°E | 76 | 99·4 | 6[illegible]·3 | 90·3 | 71·0b | 81·0b | —1·3 | 81 | +2 | 2·5 | — | 7·87 |
| | | Noakhali ... | Noakhali .. | 29·842 | 29·766 | 29·866 | 29·[illegible] | +·048 | S51°E | 94 | 92·3 | 65·1 | 87·4 | 71·1 | 79·3 | —2·4 | 79 | —2 | 3·7 | — | 5·34 |
| | | Chittagong | Chittagong .. | 29·904 | 29·697 | 29·820 | 29·85[illegible] | +·029 | S70°E | 70 | 91·5 | 66·5 | 87·0 | 70·5 | 78·8 | —2·6 | 82 | +2 | 4·5 | +0·1 | 8·15 |
| | | | Cox's Bazar | 29·960 | 29·765 | 29·805 | 29·845 | — | S78°E | 94 | — | — | — | — | — | — | — | — | 3·5 | — | 6·05 |
| Bengal. | Burdwan. | Burdwan | Burdwan .. | 29·863 | 29·629 | 29·760 | 29·8[illegible]9 | +·052 | S23°W | 91 | 105·4 | 67·3 | 93·7 | 73·0 | 83·4 | —1·8 | 79 | +9 | 4·9 | +1·6 | 8·84 |
| | | | Raniganj . | 29·595 | 29·404 | 29·520 | 29·811 | +·045 | S50°E | 55 | 106·5 | 65·0 | 94·9 | 72·3 | 83·6 | —5·2 | 79 | +21 | 1·4 | — | 7·23 |
| | | Bankura | Bankura .. | 29·615 | 29·400 | 29·522 | 29·789 | +·029 | [illegible]0°W | 109 | 108·1 | 67·2 | 95·0 | 72·8 | 84·0 | —5·4 | 70 | +14 | 2·8 | — | 4·93 |
| | | Midnapore | Midnapore .. | 29·782 | 29·575 | 29·709 | 29·806 | +·042 | S[illegible]°E | 106 | 106·3 | 67·7 | 95·2 | 73·7 | 84·5 | —4·8 | 73 | +4 | 3·0 | — | 8·95 |
| | Presidency. | Sandheads | Sandheads ... | 30·98[illegible] | 29·700 | 29·902 | 29·8[illegible]7 | — | S3[illegible]°E | 288 | — | — | — | — | — | — | 81 | — | 4·2 | — | 3·25 |
| | | 24-Parganas | Saugor Island | 29·927 | 29·727 | 29·844 | 29·813 | +·041 | S14°W | 160 | 93·0 | 70·0 | 90·2 | 76·7 | 83·5 | —1·0 | 81 | +1 | 5·8 | 0 | 3·63 |
| | | Calcutta ... | Calcutta . | 29·943 | 29·712 | 29·853 | 29·82[illegible] | +·051 | S12°W | 139 | 101·2 | 67·0 | 93·0 | 72·9 | 83·0 | —2·7 | 81 | +3 | 4·6 | +1·2 | 5·95 |
| | | Nadia ... | Krishnagar ... | 29·914 | 29·645 | 29·821 | 29·817 | +·048 | S12°E | 86 | 104·1 | 67·0 | 94·1 | 72·2 | 82·6 | 3·9 | 85 | +12 | 4·4 | — | 7·07 |
| | | Murshidabad | Berhampore | 29·906 | 29·669 | 29·801 | 29·819 | +·061 | S37°W | 130 | 102·6 | [illegible] | 92·1 | 71·9 | 81·0 | —5·5 | 79 | +3 | 5·0 | +1·2 | 4·7 |
| | | Jessore ... | Jessore . | 29·927 | 29·717 | 29·848 | 29·828 | +·053 | S36°E | 60 | 100·0 | 6[illegible]·2 | 91·0 | 74·0 | 82·[illegible] | —3·7 | 79 | 2 | 5·6 | +0·9 | 4·85 |
| Bihar. | Patna. | Patna ... | Bankipore .. | 29·724 | 29·526 | 29·647 | 29·786 | +·040 | S83°E | 173 | 102·5 | 67·7 | 93·0 | 71·9 | 82·4 | —4·6 | 60 | +9 | 2·8 | +1·5 | 1·07 |
| | | Gaya ... | Gaya .. | 29·553 | 29·335 | 29·450 | 29·778 | +·033 | N8°E | 94 | 104·9 | 66·2 | 97·2 | 73·6 | 85·4 | —3·8 | 57 | +6 | 3·1 | +1·4 | 1·65 |
| | | Shahabad | Dehri | 29·540 | 29·325 | 29·464 | 29·773 | +·033 | S34°W | 93 | 104·8 | 65·0 | 97·0 | 73·8 | 85·4 | —3·8 | 53 | +14 | 4·9 | — | 1·84 |
| | | | Buxar .. | 29·653 | 29·455 | 29·583 | 29·782 | +·040 | S8[illegible]°E | 35 | 105·0 | 66·1 | 96·2 | 72·[illegible] | 84·1 | 2·8 | 55 | +15 | 3·8 | — | 0·51 |
| | | | Arrah ... | 29·719 | 29·531 | 29·649a | 29·79[illegible]a | +·050 | N58°E | 81 | 103·9 | 65·7 | 95·0 | 70·7 | 82·9 | —4·0 | 60 | +15 | 2·8 | — | 1·66 |
| | | Saran .. | Chapra ... | 29·720 | 29·536 | 29·654 | 29·790 | +·048 | ? | ? | 103·7 | 65·[illegible] | 94·2 | 70·6 | [illegible]2·4 | —3·5 | 60 | +4 | 3·0 | — | 3·17 |
| | | Champaran | Motihari . | 29·703 | 29·525 | 29·624 | 29·813 | +·061 | N73°E | 61 | 103·4 | 59·3 | 91·4 | 67·3 | 79·4 | —3·6 | 80 | +13 | 3·9 | — | 8·28 |
| | | Muzaffarpur | Muzaffarpur | 29·741 | 29·557 | 29·67[illegible] | 29·808 | +·063 | S68°E | 124 | 103·7 | [illegible] | 92·0 | 69·0 | 80·8 | — | 70 | +7 | 2·5 | — | 2·83 |
| | | Darbhanga | Darbhanga . | 29·704 | 29·584 | 29·[illegible]4 | 29·808 | +·052 | N81°E | 101 | 103·0 | 61·3 | 93·1 | 69·5 | 81·3 | —2·7 | 73 | +10 | 4·4 | +3·2 | 3·88 |
| | Bhagalpur. | Monghyr ... | Monghyr . | 29·761 | 29·568 | 29·600 | 29·800 | — | S87°E | 186 | 104·0 | 64·9 | 94·2a | 70·2 | 82·3a | — | 72 | — | 3·6 | — | 4·37 |
| | | Bhagalpur... | Bhagalpur | 29·766 | 29·588 | 29·693 | 29·807 | +·074 | N82°E | 91 | 105·2 | 66·3 | 95·1 | 71·8 | 83·4 | —1·5 | 68 | +13 | 3·3 | — | 1·57 |
| | | Purnea ... | Purnea ... | 29·814 | 29·648 | 29·745h | 29·837h | +·082 | N87°E | 74h | 104·5 | 63·2 | 92·3a | 69·4 | 81·0a | —3·6 | 73h | +9 | 5·5h | +2·9 | 3·03 |
| | | Sonthal Parganas. | Naya Dumka | 29·[illegible]6 | 29·242 | 29·3[illegible]1 | 29·815 | +·069 | S18°E | 89 | 104·9 | 61·5 | 93·9 | 72·3 | 83·1 | —4·3 | 70 | +18 | 2·1 | — | 3·13 |
| | | Darjeeling... | Darjeeling ... | 23·111 | 22·898 | 23·020 | 22·975 | +·016 | S85°E | 106 | 67·3 | 43·7 | 58·9 | 46·7 | 52·9 | —2·8 | 82 | +1 | 6·8 | +2·0 | 6·30 |
| Chota Nagpur. | | Hazaribagh | Hazaribagh . | 27·899 | 27·723 | 27·825 | 29·790 | +·017 | S38°W | 185 | 97·7 | 63·3 | 90·9 | 68·1 | 79·1 | —6·5 | 4 | +18 | 3·9 | +1·9 | 2·36 |
| | | Ranchi ... | Ranchi ... | 27·800 | 27·626 | 27·728 | 29·816 | +·029 | S48°W | 173a | 97·2 | 62·9 | 90·4 | 67·8 | 79·1 | —5·5 | 57 | +13 | 4·0 | +2·5 | 1·63 |
| | | Singhbhum | Chaibassa .. | 29·194 | 28·903 | 29·114 | 29·807 | +·045 | S50°W | 98 | 103·8 | 63·7 | 95·7 | 73·2a | 84·0a | —5·9 | 70 | +15 | 4·0 | +2·2 | 4·25 |
| | | Palamau ... | Daltonganj ... | 29·194 | 28·972 | 29·109 | 29·8[illegible]0 | — | E | 83 | 102·1 | 59·0 | 95·0j | 70·0j | 82·5j | — | 57j | +16 | 4·8 | — | 2·09 |
| | | Manbhum ... | Purulia ... | 29·115 | 28·891 | 29·00[illegible]a | 29·784a | — | S14°E | 100 | 106·0 | 66·1 | 96·0 | 71·2 | 83·6 | — | 85 | +3z | 4·1 | — | 3·39 |
| Orissa. | | Sambalpur | Sambalpur ... | 29·491 | 29·268 | 29·376 | 29·813 | +·036 | S30°W | 113 | 102·6 | 64·6 | 95·6 | 73·8 | 84·7 | —5·3 | 61 | +10 | 4·7 | +3·5 | 3·[illegible]2 |
| | | Angul . | Angul | 29·498 | 29·311 | 29·4[illegible]3a | 29·822a | — | N63°E | 186 | 101·1 | 64·5 | 94·3 | 72·7 | 84·8 | — | 74 | — | 3·3 | — | 5·15 |
| | | Cuttack | Cuttack .. | 29·873 | 29·703 | 29·796 | 29·820 | +·043 | S30°W | 82 | 101·9 | 68·7 | 95·5 | 74·0 | 84·8 | —5·3 | 76 | +4 | 4·7 | +1·2 | 5·54 |
| | | | False Point . | 29·957 | 29·774 | 29·869 | 29·831 | +·047 | S43°W | 264 | 92·4 | 67·1 | 87·7 | 74·4 | 81·0 | —2·7 | 78 | —4 | 6·3 | +1·1 | 3·88 |
| | | Balasore ... | Balasore ... | 29·910 | 29·703 | 29·819 | 29·814 | +·050 | S4[illegible]°W | 98 | 100·9 | 65·1 | 91·7 | 73·2 | 82·5 | —4·3 | 75 | —3 | 4·8 | +0·8 | 7·20 |
| | | Puri .. | Puri ... | 29·920 | 29·748 | 29·838 | 29·801 | +·006 | S54°W | 341 | 95·6 | 69·1 | 88·8 | 76·0 | 82·4 | — | 77 | —9 | 3·3 | — | 4·25 |
| | | Ganjam | Gopalpur ... | 29·883 | 29·708 | 29·806 | 29·819 | +·043 | S48°W | 318 | 96·7 | 68·5 | 88·6 | 74·8 | 81·7 | —0·9 | 78 | —4 | 2·5 | — | 5·10 |
| | | | Calingapatam | 29·944 | 29·800 | 29·876 | 29·835 | — | S37°W | 151 | — | — | — | — | — | — | — | — | 3·6 | — | 5·61 |

(a) Mean of 29 days.
(b) " " 28 "
(h) " " 22 "
(i) Mean of 21 days.
(j) " " 20 "
(z) " " 4 "

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF APRIL 1909.

THE pressure distribution over the two provinces was somewhat irregular during the first week of the month; local rain fell in Assam and Eastern Bengal, and the temperature was in defect towards the north-west.

During the second week a pressure gradient, rather unusually steep for the time of year, developed over the two provinces, the actual pressure over Bengal being considerably below normal. Dust-storms and nor-westers occurred at many stations, and local rain was experienced in Bengal, Eastern Bengal and Assam.

On the 17th, the temperature was in defect over practically the whole of the reporting area. Subsequently, an indraught of moist air from the Bay deflected in a westerly direction was responsible for rain in Bihar and the west of Bengal. Temperature at the end of the third week was very considerably below normal over the western portion of the two provinces. These unusually low temperatures were probably associated with a depression of the cold-weather type which was reported to be over Rajputana, and which continued for several days to affect the weather in the western portion of the reporting area. It was responsible for a good deal of rain.

The rainfall was in considerable excess throughout the month in Bengal, Bihar, Orissa, which received respectively 227, 271 and 376 per cent. more than the usual amount. In Assam the rainfall was 12 per cent. less than the average. Humidity was rather high throughout April, and the temperature averaged about 2° below normal in Eastern Bengal and Assam and 4° in Bengal.

*Summary of temperature.*—The highest temperature recorded was 106°·5 at Raniganj and the lowest 59° was recorded at Daltonganj.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of April 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | Average for month. | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 100·5 | 61·1 | 84·1 | 67·3 | 76·3 | — 1·7 |
| Eastern Bengal, North ... ... | 103·2 | 60·9 | 89·9 | 69·1 | 79·5 | — 2·6 |
| Eastern Bengal, South ... | 100·1 | 63·6 | 89·0 | 70·9 | 80·0 | — 2·5 |
| Bengal ... ... | 106·5 | 65·0 | 93·1 | 73·3 | 83·2 | — 4·2 |
| Bihar ... ... ... | 105·2 | 59·3 | 94·2 | 70·9 | 82·6 | — 3·4 |
| Chota Nagpur* ... ... ... | 103·8 | 59·0 | 92·8 | 69·6 | 81·2 | — 5·9 |
| Orissa ... ... ... | 102·6 | 64·5 | 91·8 | 74·1 | 83·0 | — 3·7 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province.

*Actual and average rainfall and departure from normal for the month of April 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 3·94 | 1·81 | + 2·13 |
| | Malda ... ... ... | Malda ... ... ... | 1·78 | 1·35 | + 0·43 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 4·80 | 2·24 | + 2·56 |
| | Jalpaiguri ... ... ... | Jalpaiguri ... ... | 6·03 | 3·63 | + 2·40 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 9·20 | 5·89 | + 3·31 |
| | Rangpur ... ... ... | Rangpur ... ... .. | 5·60 | 3·16 | + 2·44 |
| | Bogra ... ... ... | Bogra ... ... ... | 1·92 | 3·11 | — 1·19 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 6·46 | 2·95 | + 3·51 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 5·84 | 4·76 | + 1·08 |
| | Mymensingh ... ... | Mymensingh ... .. | 5·23 | 5·48 | — 0·25 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 7·15 | 4·24 | + 2·91 |
| | Backergunge ... ... | Barisal ... ... ... | 7·55 | 3·47 | + 4·08 |
| | Tippera ... ... ... | Comilla ... ... ... | 7·87 | 6·27 | + 1·60 |
| | Noakhali ... ... ... | Noakhali ... ... ... | 5·34 | 4·66 | + 0·68 |
| | Chittagong ... ... | Chittagong ... ... | 8·15 | 4·47 | + 3·68 |
| | | Cox's Bazar ... ... | 6·05 | 2·38 | + 3·67 |
| Bengal ... | Burdwan ... ... ... | Burdwan ... ... ... | 8·84 | 2·20 | + 6·64 |
| | | Raniganj ... ... ... | 7·23 | 1·59 | + 5·64 |
| | Bankura ... ... ... | Bankura ... ... ... | 4·93 | 1·52 | + 3·41 |
| | Midnapore .. ... | Midnapore ... .. | 8·95 | 1·62 | + 7·33 |
| | 24-Parganas ... ... | Saugor Island ... ... | 3·53 | 1·06 | + 2·47 |
| | Calcutta ... ... ... | Calcutta ... ... ... | 5·95 | 1·54 | + 4·41 |
| | Nadia ... ... ... | Krishnagar ... ... | 7·07 | 2·43 | + 4·64 |
| | Murshidabad ... ... | Berhampore ... ... | 4·72 | 1·75 | + 2·95 |
| | Jessore ... ... ... | Jessore ... ... ... | 4·55 | 3·90 | + 0·65 |
| Bihar ... | Patna ... ... ... | Bankipore ... ... ... | 1·97 | 0·30 | + 1·67 |
| | Gaya ... ... ... | Gaya ... ... ... | 1·65 | 0·27 | + 1·38 |
| | Shahabad ... ... | Dehri ... ... ... | 1·54 | 0·10 | + 1·44 |
| | | Buxar ... ... ... | 0·51 | 0·14 | + 0·37 |
| | | Arrah ... ... ... | 1·66 | 0·47 | + 1·19 |
| | Saran ... ... ... | Chapra ... ... ... | 3·17 | 0·32 | + 2·85 |
| | Champaran ... ... | Motihari ... ... ... | 8·28 | 0·67 | + 7·61 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 2·83 | 0·47 | + 2·36 |
| | Darbhanga ... ... | Darbhanga ... ... | 3·88 | 0·69 | + 3·19 |
| | Monghyr ... ... ... | Monghyr ... ... | 4·27 | 0·50 | + 3·77 |
| | Bhagalpur ... ... | Bhagalpur ... ... | 1·57 | 0·88 | + 0·69 |
| | Purnea ... ... ... | Purnea ... ... | 3·02 | 1·36 | + 1·66 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 3·13 | 1·02 | + 2·11 |
| | Darjeeling ... ... | Darjeeling ... ... | 6·30 | 4·08 | + 2·22 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | 2·36 | 0·43 | + 1·93 |
| | Ranchi ... ... ... | Ranchi ... ... ... | 1·63 | 0·75 | + 0·88 |
| | Singhbhum ... ... | Chaibassa ... ... | 4·25 | 1·03 | + 3·22 |
| | Palamau ... ... ... | Daltonganj ... ... | 2·00 | 0·27 | + 1·73 |
| | Manbhum ... ... | Purulia ... ... ... | [illegible]9 | 0·99 | + 2·40 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 3·52 | 0·57 | + 2·95 |
| | Angul .. ... ... | Angul ... ... ... | 5·15 | 1·18 | + 3·97 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 5·54 | 1·38 | + 4·16 |
| | | False Point ... ... | 3·38 | 1·73 | + 1·65 |
| | Balasore ... ... ... | Balasore ... ... ... | 7·20 | 2·66 | + 4·54 |
| | Puri ... ... ... | Puri ... ... ... | 4·25 | 0·78 | + 3·47 |

METEOROLOGICAL OFFICE, BENGAL,
*The 25th May 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd May 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inches | ° | % | | | Inches. | |
| May | 16th | 146·4 | 9·5 | 29·624 | 87·5 | 96·3 | 17·0 | 79·3 | 80·3 | 0·947 | 77·6 | 73 | SSW and WSW | 205 | Nil | Partially cloudy. |
| " | 17th | 146·3 | 9·4 | ·667 | 85·5 | 93·6 | 15·6 | 78·0 | 78·4 | ·881 | 75·5 | 73 | S by E, SE and SSE. | 235 | Nil | Partially cloudy, ⌀, d. |
| " | 18th | 146·3 | 8·4 | ·699 | 83·8 | 94·1 | 20·0 | 74·1 | 73·9 | ·718 | 69·3 | 67 | SSE and SSW ... | 173 | 0·08 | Partially cloudy. |
| " | 19th | 145·9 | 9·6 | ·665 | 86·2 | 95·7 | 18·4 | 77·3 | 78·2 | ·861 | 74·8 | 69 | S and SSW ... | 172 | Nil | Partially cloudy. o, p, d, ⌀. |
| " | 20th | 142·4 | 10·1 | ·662 | 82·7 | 92·7 | 19·5 | 73·2 | 78·2 | ·906 | 76·2 | 80 | SSW and SSE ... | 195 | 0·79 | Partially cloudy. |
| " | 21st | 143·5 | 5·0 | ·647 | 81·3 | 91·9 | 20·6 | 71·3 | 75·8 | ·855 | 74·5 | 86 | E by S and ESE | 147 | 1·07 | Partially cloudy. |
| " | 22nd | 139·7 | 8·8 | ·694 | 83·4 | 92·9 | 18·5 | 74·4 | 77·5 | ·874 | 75·3 | 79 | ESE, E and SW by S. | 62 | Nil | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·665 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·660 |
| | Hours |
| The total number of hours of bright sunshine ... ... ... | 61·7 |
| The maximum possible number of hours of sunshine ... ... ... | 92·6 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 84·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 86·5 |
| The extreme variation of temperature ... ... ... ... | 25·0 |
| The maximum temperature ... ... ... ... | 96·3 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 19 |
| | % |
| The mean relative humidity ... ... ... ... ... | 75 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 73 |
| | Inches. |
| The total fall of rain from 16th to 22nd May 1909 ... ... | 1·94 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 1·00 |
| The total fall from 1st January to 22nd May 1909 ... ... ... | 9·42 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 7·79 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

⌀, dust-storm; d, drizzling rain; p, passing temporary showers; o, overcast; ⌀, thunder-storm.

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 24th May 1909.*

E. P. HARRISON,
*for Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 8th May 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 66,000 | 40,500 0 0 | 285,000 0 | 41,000 0 0 | 6,000 0 0 | 87,500 0 0 | 15,265 | 18,341 | 33,606 |
| Or per mile of railway ... | 85·94 | 52·73 | 369·65 | 53·18 | 7·78 | 113·69 | 19·88 | 23 79 | 43 67 |
| For previous 18 weeks of half-year ... ... ... ... | 1,263,614 | 8,12,202 0 0 | 6,169,921 0 | 7,47,453 0 0 | 79,680 0 0 | 16,39,335 0 0 | 252,119 | 343,104 | 595,223 |
| Total for 19 weeks ... | 1,329,614 | 8,52,702 0 0 | 6,454,921 0 | 7,88,453 0 0 | 85,680 0 0 | 17,26,835 0 0 | 267,384 | 361,445 | 628,829 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 58,775 | 35,608 0 0 | 443,834 0 | 40,862 0 0 | 3,975 0 0 | 80,445 0 0 | 15,697 | 21,499 | 37,196 |
| Per mile of railway corresponding week of previous year ... | 76·53 | 46·36 | 575·66 | 53·00 | 5·16 | 104·52 | 20·44 | 27·88 | 48·32 |
| Total to corresponding date of previous year ... ... .. | 1,289,026 | 8,68,312 0 0 | 5,166,780 0 | 7,16,112 0 0 | 87,357 0 0 | 16,71,781 0 0 | 298,691 | 387,114 | 685,805 |

FINANCIAL YEAR.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 8th May 1909. | | | Receipts for week ending 9th May 1908. | | | Total receipts from 1st April 1909 to 8th May 1909. | | | Total receipts from 1st April 1908 to 9th May 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | | | | Rs. | | | Rs. |
| 771 | 87,500 | 113 69 | 771 | 80,445 | 104·52 | 771 | 4,67,[illegible]6 | ... | 771 | 4,65,165 | ... | 2,051 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 8th May 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. (c) | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... | 380,820 | 1,44,820 | 1,395,060 | 1,87,650 | 37,630 | 3,70,100 | 58,702 | (d)52,213 | 110,915 |
| Or per mile of railway | 203 64 | 77·44 | 746·59 | 100·35 | 20·12 | 197·91 | ..... | ..... | ..... |
| For previous 17¾ weeks of half-year (e) ... ... | 5,765,048 | 23,92,468 | 21,812,946 | 31,69,249 | 4,72,043 | 60,33,760 | 993,773 | 858,664 | 1,852,437 |
| Total for 18¾ weeks ... | 6,145,868 | 25,37,288 | 23,208,906 | 33,56,899 | 5,09,673 | 64,03,860 | 1,052,475 | 910,877 | 1,963,352 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... .. ... | 443,498 | 1,78,404 | 1,147,973 | 1,51,289 | 42,316 | 3,72,099 | 59,090 | (f)46,720 | 105,810 |
| Per mile of corresponding week of previous year ... ... | 246 80 | 99 33 | 638·83 | 84 19 | 23·55 | 207·07 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 6,263,584 | 27,26,400 | 22,457,303 | 30,85,789 | 4,85,583 | 63,97,772 | 1,033,988 | 872,781 | 1,936,669 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·47 | | 3·59 | ·34 | 3·34 | | | |
| Ditto for corresponding week of previous year ... ... ... | | 3 62 | | 3·24 | ·40 | 3·62 | | | |

(a) Decrease under passengers due to heavy coolie traffic last year.
(b) Increase chiefly under coal.
(c) Decrease principally under sundries.
(d) Includes 8,239 miles of ballast trains.
(e) Includes audited figures up to February 1909.
(f) Includes 3,956 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 15th May 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 400,970 | 2,07,920 0 0 | 1,721,786 0 | 2,06,520 0 0 | 18,630 0 0 | 4,33,074 0 0 | 76,588 | (b)43,487 | 120,075 |
| Or per mile of railway ... ... | 328 | 139 0 0 | 1,150 0 | 138 0 0 | (a)1 0 0 | (a)278 0 0 | ... | ... | ... |
| For previous 19 weeks of half-year (c) ... ... ... .. | 8,717,028 | 38,55,084 0 0 | 41,128,071 0 | 49,42,715 0 0 | 7,21,251 0 0 | 95,19,050 0 0 | 1,418,023 | 955,041 | 2,373,064 |
| Total for 20 weeks ... | 9,207,998 | 40,63 004 0 0 | 42,849,857 0 | 51,49,235 0 0 | 7,39,881 0 0 | 99,52,120 0 0 | 1,491,011 | 998,528 | 2,493,139 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... . | 426,670 | 1,87,521 0 0 | 1,624,944 0 | 2,01,498 0 0 | 16,107 0 0 | 4,05,126 0 0 | 75,999 | 36,968 | 112,967 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 351 | 147 0 0 | 1,275 0 | 158 0 0 | 1 0 0 | 316 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 10 092,786 | 43,22,836 0 0 | 38,757,515 0 | 44,80,613 0 0 | 6,34,090 0 0 | 94,37,419 0 0 | 1,528,061 | 889,066 | 2,417,127 |

(a) Excluding steamer earnings, Rs. 16,400.
(b) Excluding ballast train-miles, Rs. 9,958.
(c) Audited up to February 1909.

## DACCA STATE RAILWAY

*Approximate Return of Traffic and Mileage for the week ended 15th May 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 35,230 | 9,940 0 0 | 43,940 0 | 3,389 0 0 | 850 0 0 | 14,170 0 0 | 5,636 | (a)1,340 | 6,976 |
| Or per mile of railway .. | 410 | 116 0 0 | 499 0 | 39 0 0 | 10 0 0 | 165 0 0 | ... | ... | ... |
| For previous 19 weeks of half-year (b) ... .. .. | 774,467 | 2,31,615 0 0 | 1,418,410 0 | 1,03,397 0 0 | 6,619 0 0 | 3,41,631 0 0 | 103,544 | 26,208 | 129,752 |
| Total for 20 weeks .. | 809,727 | 2,41,555 0 0 | 1,462,350 0 | 1,06,777 0 0 | 7,469 0 0 | 3,55,801 0 0 | 109,340 | 27,548 | 136,788 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 39,569 | [illegible] 0 0 | 90,291 0 | 6,732 0 0 | 42 0 0 | 17,761 0 0 | 5,656 | 1,520 | 7,176 |
| Per mile of railway corresponding week of previous year ... | 460 | 128 0 0 | 1,050 0 | 78 0 0 | 1 0 0 | 207 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 860,418 | 2,60,20[illegible] 0 0 | 2,058,938 0 | 1,48,404 0 0 | 5,585 0 0 | 4,14,098 0 0 | 1,11,404 | 34,670 | 146,074 |

(a) Excluding ballast train-miles 700.
(b) Audited up to February 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 15th May 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs A. P. | Mds. s. | Rs. A. P | s. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,610 | 1,840 0 0 | 28,580 0 | 1,960 0 0 | 10 0 0 | 3,810 0 0 | 504 | (a)1,172 | 1,676 |
| Or per mile of railway ... ... | 137 | 55 0 0 | 851 0 | 58 0 0 | ... | 113 0 0 | ... | ... | ... |
| For previous 19 weeks of half-year (b) ... ... ... ... | 82,039 | 33,912 0 0 | 449,750 0 | 32,107 0 0 | 302 0 0 | 66,321 0 0 | 8,897 | 35,318 | 44,215 |
| Total for 20 weeks ... | 86,649 | 35,752 0 0 | 478,330 0 | 34,067 0 0 | 312 0 0 | 70,131 0 0 | 9,401 | 36,490 | 45,891 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 3,995 | 1,556 0 0 | 27,944 0 | 1,817 0 0 | 9 0 0 | 3,382 0 0 | 504 | 912 | 1,416 |
| Per mile of railway corresponding week of previous year ... | 119 | 47 0 0 | 832 0 | 54 0 0 | ... .. | 101 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 93,791 | 39,931 0 0 | 511,876 0 | 35,200 0 0 | 311 0 0 | 75,442 0 0 | 8,942 | 31,467 | 40,409 |

(a) Excluding ballast train-miles, 810.
(b) Audited up to February 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 15th May 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 12,370 | 3,090 0 0 | 32,510 0 | 2,060 0 0 | 20 0 0 | 6,070 0 0 | 2,010 | (a) 684 | 2,694 |
| Or per mile of railway ... ... | 229 | 74 0 0 | 602 0 | 38 0 0 | ... | 112 0 0 | ... | ... | ... |
| For previous 19 weeks of half-year (b) ... ... ... ... | 312,184 | 83,899 0 0 | 980,250 0 | 57,161 0 0 | 444 0 0 | 1,41,504 0 0 | 37,137 | 13,514 | 50,651 |
| Total for 20 weeks .. | 324,554 | 87,889 0 0 | 1,012,760 0 | 59,221 0 0 | 464 0 0 | 1,47,574 0 0 | 39,147 | 14,198 | 53,345 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 13,890 | 4,087 0 0 | 55,269 0 | 3,281 0 0 | 28 0 0 | 7,396 0 0 | 2,018 | 664 | 2,682 |
| Per mile of railway corresponding week of previous year ... | 256 | 76 0 0 | 1,024 0 | 61 0 0 | ... | 137 0 0 | .. | .. | .. |
| Total to corresponding date of previous year ... .. .. | 329,755 | 88,501 0 0 | 859,053 0 | 46,505 0 0 | −2,031 0 0 | 1,32,975 0 0 | 40,801 | 11,678 | 52,479 |

(a) Ballast train-miles, Nil.
(b) Audited up to February 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 15th May 1909 ... | Coaching ... | 11,397 0 0 | 22,020 0 0 |
| | Goods ... | 10,554 0 0 | |
| | Other earnings ... | 69 0 0 | |
| Audited earnings for the corresponding period of 1908 | Coaching ... | 10,377 0 0 | 20,262 0 0 |
| | Goods .. | 9,779 0 0 | |
| | Other earnings ... | 106 0 0 | |
| | Increase ... | | 1,758 0 0 |
| Receipts per mile for the week ending 15th May 1909 ... | ... | | 431 12 8 |
| Ditto for the corresponding period of 1908 ... | ... | | 397 4 8 |
| | Increase ... | | 34 7 7 |
| Receipts from 1st January to 15th May 1909 ... | ... | | 3,470,259 0 0 |
| Ditto for the corresponding period of 1908 ... | ... | | 3,461,609 0 0 |
| | Increase ... | | 8,650 0 0 |

Printed at the Printing Office, and published by the Book Deptt. of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 26th May 1909.

REGISTERED No. C 209.]

No. 22 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JUNE 2, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.


| | Page |
|---|---|
| Annual Report of the Royal Botanic Garden and other Gardens in Calcutta and the Lloyd Botanic Garden, Darjeeling, for the year 1908-09 ... | 831—834 |
| Weather and Crop Report for the week ending the 31st May 1909 ... ... ... ... ... ... ... | 835—840 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 29th May 1909 ... ... ... ... ... ... ... | 841 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th May 1909 ... ... ... ... ... ... ... ... | 842 |
| Railway Returns ... ... ... ... ... ... | 843—850 |


## ANNUAL REPORT OF THE ROYAL BOTANIC GARDEN AND OTHER GARDENS IN CALCUTTA, AND THE LLOYD BOTANIC GARDEN, DARJEELING, FOR THE YEAR 1908-09.

No. 297T.—Medl., dated Darjeeling, the 26th May 1909.

From—H. WHEELER, Esq., Offg. Secy. to the Govt. of Bengal, Municipal Dept.,

To—The Secy. to the Govt. of India, Department of Revenue and Agriculture.

I AM directed to submit, for the information of the Government of India, a copy of the Annual Report of the Royal Botanic Garden, Calcutta, for the year 1908-09.

2. The thanks of the Lieutenant-Governor have been conveyed to Captain A. T. Gage, I.M.S., and his subordinates for the work done by them during the year.

# ANNUAL REPORT

OF THE

# ROYAL BOTANIC GARDEN AND OTHER GARDENS IN CALCUTTA, AND OF THE LLOYD BOTANIC GARDEN, DARJEELING,

FOR THE YEAR

# 1908-1909.

## ROYAL BOTANIC GARDEN.

**General.**—The abnormal high temperature and drought that characterised the first and last few months of the year under review affected the garden to a certain extent. The garden ponds sank to an extremely low level, with which the garden pumping-engine, now almost at the end of its usefulness, had difficulty in coping, while latterly the small portable steam pump—a recent and most useful acquisition—had to be kept at work every day watering the trees and shrubs all over the garden. The survey of the garden was completed early in the year, and during the cold weather the task of ticketing the trees and shrubs was carried through. Over 13,300 trees and shrubs were carefully numbered with reference to the co-ordinated [illegible]es on the map previously prepared, and were provisionally named in a rough list. As only one number was given in cases where there were several specimens of the same species forming a group or part of an avenue, the actual number of individual trees and shrubs cultivated in the garden falls probably little short of 15,000. Considerable progress has already been made in checking the provisional identifications, but it will take some time to complete such an enormous number. This, however, must be done before a complete and accurate catalogue can be published. Continued attention has been given to combat the undermining effect of the river on certain parts of its bank and a new plan of defence, which it is hoped will prove more permanently effective than the system of driving piles, has been devised and put into execution. Towards the end of the year a beginning was made with the opening up of the Palmetum, most of the palm groups in this part of the garden having become extremely congested of late years. So far the result has been a decided enhancement of the landscape effect. A beginning has been made with the substitution of imperishable labels with raised lettering for the present painted zinc plant-labels, which readily become illegible after exposure to the weather and require constant repainting.

2. **Economic.**—The usual amount of work in the way of exchange of plants and seeds of economic importance with other countries has been done, but space does not permit of a detailed account. The introduction probably of the most economic importance during the year has been that of two new species of rubber-yielding trees. Last year the introduction through the Director of Kew of a new species of *Manihot* was chronicled, the name of which had not then been definitely ascertained. This year, however, a large consignment of seeds of two named species *Manihot dichotoma* Ule and *Manihot piauhyensis* Ule was received from the Director of the Royal Gardens, Kew. The only rubber-yielding species of *Manihot* hitherto cultivated in India is *Manihot Glaziovii*, the Ceara rubber tree. The two new species are natives of North East Brazil, as is the Ceara rubber tree and come from the neighbouring provinces of Bahia and Piauhy respectively. The importance of the present introduction lies in the much superior yield of rubber claimed for the new species. They are said to have a less hard bark, to be less liable to injury by wind or careless tapping and to give a much higher yield of good quality rubber than the Ceara rubber tree. Further, they are said to adapt themselves to cultivation in dry and comparatively unfertile areas more

readily than the latter. *Manihot dichotoma* or Jequie Maniçoba as it is called from the town of Jequie, which serves as the centre for the trade in its rubber, is a tree about 16—40 feet high, with a more compact crown and a thinner and paler bark than the Ceara tree possesses. *Manihot piauhyensis* is said to be a low tree (6—16 feet) with a broad and densely leafy crown. *Manihot dichotoma* is said to be the best for a firm loamy soil, while *Manihot piauhyensis* prefers a light sandy soil. *Manihot piauhyensis* is said to be ready for tapping from its third year of growth and *Manihot dichotoma* from its fourth year. In Brazil the trees are planted out about 1,000 to the acre. The annual yield of rubber per tree is said to be about 3·5—7 ounces for *Manihot dichotoma* with present methods, and 1lb.—2lbs. for *Manihot piauhyensis* or roughly $\frac{2}{5}$ of a ton per acre for the latter. Further details regarding those species are to be found in the Kew Bulletin of Miscellaneous Information No. 2 of 1908, from which the statements above are culled. All the available seed has now been distributed to various parts of India, but a good deal has been sown in the Garden, and next year and the following it is hoped there will be a considerable number of well-established plants available for distribution.

3. **Herbarium and Library.**—Between seventeen and eighteen thousand specimens were added to the Herbarium during the year. Of Indian plants the most important contribution was made by Mr. A. Meebold, in all nearly 9,000 specimens, chiefly from Assam, Southern India and the North-Western Himalaya. Mr. W. W. Smith, Curator of the Herbarium, collected about 3,000 specimens from the Eastern Himalaya, chiefly from the lower elevations. Mr. W. G. Craib, while officiating as Curator of the Herbarium, collected and subsequently named over 1,300 specimens from the North Cachar hills. The late Sir Harold Deane, K.C.S.I., forwarded what unhappily was his last collection of some hundred specimens from the North-Western Frontier. The accessions from outside India by gift or purchase comprise collections from Eastern Tibet and Yunnan, Java, the Philippine Islands, Australia, South Africa, North Africa, Persia, Europe and America. Over 5,000 sheets, chiefly Malayan and Himalayan specimens, have been distributed to other herbaria in and outside of India. Materials for the monographing of various natural orders and genera have been lent to botanists in India, Java, Great Britain, Hungary and Germany. Much of the Curator's time has been occupied in overtaking the arrears which accumulated during the long period the post was vacant. During the rains Herbarium work was entirely disorganised for about two months owing to serious leakage in the Herbarium roof, necessitating extensive repairs by the Department of Public Works. Library work has been of a normal routine character, calling for no special remarks.

4. **Publications.**—During the year Part 2 of Volume VI and Volume XI of the Annals of the Garden were issued from the press. The first comprises a Memoir by Professor G. S. and Mr. W. West, of 85 pages with 7 plates on Algae from Burma, and forms a valuable contribution to the Cryptogamic Botany of the East. The second is a magnificent monograph on the climbing palms of the genus *Calamus*, of over 500 pages with 238 double plates, by Signor Odoardo Beccari, the distinguished Italian botanist, explorer and authority upon Palms. It forms one of the most important contributions to systematic Botany that have appeared of late years. The third volume of the Records of the Botanical Survey of India was finished during the year, Mr. W. W. Smith, Curator of the Herbarium contributing the index to the whole volume.

5. **Interchange of seeds and plants.**—Over 1,100 packets of seeds of many various species were received from institutions and individuals in all parts of the world. Over 3,000 packets of seeds of tropical, semi-tropical and temperate plants, the last from the high altitudes of the Eastern Himalaya, were issued all over the world. Seeds of economic plants as usual formed a large proportion of the distribution. Over 9,000 plants were received during the year, the principal contributors being the Director of the Royal Gardens, Kew, the Director of Agriculture, Dutch Indies, M. Buysman of Lawang, Java, and the United States Agricultural Department. Over 33,000 plants were distributed, mostly within India, and consisting chiefly of trees for road-side arboriculture, the improvement of stations generally and such like.

## CALCUTTA GARDENS.

6. In connection with these gardens excellent work has been done by Mr. J. T. Johnson, the Assistant Curator, under somewhat disadvantageous circumstances. In the Eden Garden the old formal flower garden has been remodelled, and a new rose garden laid out, but lack of funds prevented the improvement of the garden in the neighbourhood of the bandstand being carried out, as was intended. In the Dalhousie Square Garden the experience of the last few years has shown the necessity of modifying the alignment of and widening certain of the paths, while narrowing others. There is scope also for better effect than at present in the treatment of the borders, and of the lawns along the tank, and it is hoped that during the coming year something will be accomplished in this direction. Considerable changes have been effected in the Curzon Garden in the way of remodelling and replanting the former rather unwieldy beds of shrubs, while several of the paths have had to be re-made. All those gardens suffer under the disadvantages of there being no provision for Durwans' quarters, or for the proper storage of tools and stores. The officer in charge is as yet unprovided with quarters nor has he so much as a room at his disposal for ordinary clerical work.

## LLOYD BOTANIC GARDEN, DARJEELING.

7. This garden has been maintained in good condition throughout the year. Several of the sloping lawns have been remade, and the nursery accommodation increased by the addition of three terraces. A good deal of trouble has been caused by the presence of the cockchafer grub, an old enemy of the garden, but means have been taken to restrict its ravages. During the year the bamboo *Arundinaria Hookeriana* flowered throughout the station and died, with the result that some handsome clumps of it in the garden have disappeared.

8. **Financial.**—The allotments for all the Gardens referred to in this Report have been spent in full, with the exception that there was a saving under salaries and establishment of Rs. 9,940-12-4 in the Royal Botanic Garden.

The revenues of Rs. 380-4 from the Royal Botanic Garden, of Rs. 152 from Hastings House and of Rs. 210 from the Dalhousie Square Garden were paid into the Calcutta Treasury. The revenue of Rs. 38 from the Lloyd Botanic Garden was paid into the Darjeeling Treasury.

* *

A. T. GAGE, CAPTAIN, I.M.S.,

*Supdt. of the Royal Botanic Garden, Calcutta,*

*and Lloyd Botanic Garden, Darjeeling.*

## WEATHER AND CROP REPORT.

*For the week ending the 31st May 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 2·15 | 9 | 9 | Rainfall sufficient. Ploughing and manuring of fields for *kharif* crops going on briskly. Thinning and weeding of jute continuing. Prospects of jute and sugarcane good. Cattle-disease reported from Jamalpur thana. Stocks of food-grains and fodder and water sufficient. |
| 2 | BIRBHUM ... | 0·85 | 9 | 9 | Rainfall at Rampur Hât 0·32 inch. Weather hot. Fodder and water sufficient. No apprehension of scarcity. |
| 3 | BANKURA ... | 0·30 | 10 | 10 | Rainfall at Vishnupur 1·42 inches. Weather seasonable. Lands being prepared and manured. Standing crops doing well. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 0·04 | 10 | 9 | Rainfall at Contai 0·04 inch. Sowings of autumn rice, jute and maize continuing. Prospects of late cotton and *rabi* crops fair. Cattle-disease in thanas Pantan, Mohanpur, Gopiballavpur and Midnapore. Fodder and water sufficient. Rain wanted. Common rice selling at 12 seers per rupee at Contai. Tamluk and Ghatal reports not received. |
| 5 | HOOGHLY ... | 1·28 | 9 | 8 | Weather hot. Stocks of food-grains sufficient. Lands being prepared for cultivation. Weeding of jute commenced in the Serampore subdivision. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 0·96 | 8½ | 8½ | This week's rainfall beneficial to agricultural operations. Sowings of jute and *aus* paddy nearly finished. Lands being prepared for winter paddy. Harvesting of *boro* paddy completed. Fodder and water sufficient. Agricultural stock in normal condition. |
| 7 | 24-PARGANAS | 1·15 | 9¾ | 9¾ | Weather seasonable. Sowing of jute finished. Common rice selling at 8 seers per rupee at Barasat, at 10¼ seers at Basirhat, at 9¾ seers at Diamond Harbour, and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 1·59 | 8⅝ | 8 9/16 | Rainfall at Ranaghat 2·65, at Kushtia 0·11 at Meherpur 0·64 and at Chuadanga 0·81 inches. Sowings of paddy and jute still continuing. Weeding going on. Prospects good. Prices of staple food-grains almost stationary. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Tehatta, Karimpur and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 2·51 | 8½ | 8½ | Two good showers during the week, which greatly benefited standing crops. Weather seasonable. Lands being prepared for winter rice. Condition of jute and *aus* paddy favourable at the Kandi subdivision and fair at the Lalbagh subdivision. Cattle-disease reported from Mahalandi village in police-station Gokarna. Fodder and water sufficient. |
| 10 | JESSORE ... | 0·82 | 9½ | 9 9/16 | Rainfall at Jhenida 1·06, at Magura 0·81, at Narail 0·99 and at Bangaon 1·17 inches. Weather extremely hot. Fall general. Paddy and jute seedlings doing well. Sowings still going on. Fodder and water insufficient at places. Cattle-disease reported from Narail. Condition of agricultural stock good. |
| 11 | KHULNA ... | 1·44 | 10 | 10 | Rainfall at Terragerhat 1·50 and at Satkhira 1·55 inches. Weather seasonable. Prices of staple food-grains stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Sowings of jute and early paddy continuing. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | Nil | 8½<br>14* | 8¾<br>14* | Weather hot and occasionally cloudy. Slight rain on the 27th instant, but not general. Early *makai* suffering for want of rain. Lands being prepared for the sowing of *bhadoi* crops. Sugarcane doing well. Food-stocks supplemented by imports. No cattle-disease. Fodder and water available. |
| 13 | GAYA ... | Nil | 10†<br>12 9/16* | 9 15/16†<br>12 13/16* | Weather hot with east winds. Sugarcane promising well. Sowing of *marua* continuing. *Cheena* being harvested. Prices stationary. Fodder and water for cattle scarce in parts of the district. Cattle-disease in four villages in the Aurangabad subdivision. |
| 14 | SHAHABAD ... | 0·02 | 9¼<br>14* | 9¼<br>14* | Rainfall at Buxar 0·49 inch. Sugarcane doing well. Prices of food-grains stationary. Food-stocks below the normal. Agricultural stock in normal condition. Fodder and water sufficient. |
| 15 | SARAN ... | 0·03 | 9½<br>13½* | 9½<br>13* | Rainfall at Sewan 0·13 inch. Weather seasonable. Lands being prepared for *bhadoi* crops. Gathering of cotton and sowing of *kodo* and *shama* almost finished. Prices of staple food-crops stationary. Food-stock resources external. Agricultural stock in fair condition. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 0·87 | 9<br>15* | 9<br>15* | Rainfall at Bettiah 1·69 inches. Weather hot and cloudy at times. Rain general by which agricultural operations have been greatly benefited. Fields being prepared for *bhadoi* and *aghani* crops, sowings of which have commenced. Condition of agricultural stock fair. Fodder and water sufficient. Cattle-disease in thana Shikarpur. |
| 17 | MUZAFFARPUR | 0·09 | 8¾<br>14* | 9<br>14½* | Weather hot and cloudy at times. Rainfall at Sitamarhi 0·45 and over an inch in some places. Severe hailstorm at Belsand. Common rice and maize selling at 8 and 13 seers a rupee, respectively, at Sitamarhi and at 8 and 12½ seers a rupee, respectively, at Hajipur. Fodder sufficient but water again running low. Cultivation of *bhadoi* crops in progress. Prospects so far favourable. Number of persons on test-works in the Sitamarhi subdivision on the 27th May—124 men, 262 women and 81 children—total 467. Number of persons gratuitously relieved and in poor-houses and kitchen—2,541. |
| 18 | DARBHANGA ... | Nil | 8½<br>12* | 8½<br>to<br>13* | Weather hot. Cultivation in progress except in the Singhia outpost, where want of moisture is retarding agricultural operations. Some good done by rain in the Madhubani subdivision. Rain urgently wanted in the Sadar subdivision. Food-stocks sufficient. Fodder available. A good deal of cholera reported now. Number of persons on relief-works on the 27th instant—46,641, and the number gratuitously relieved—31,547. *Makai* selling at 11 to 11½ seers a rupee in the interior. Prices rising. |
| 19 | MONGHYR ... | 0·11 | 8½ | 8¼ | Weather seasonable. Ploughing of lands continuing. *Bhadoi* crops suffering from want of rain. Prices of staple food-grains slightly fallen. Cattle-disease reported from the Sadar and Surajgarh thanas. Fodder sufficient. Water-supply deficient in many places in the Begusarai subdivision. Fodder reported scarce from Barbigha thana. *Makai* not sold. |
| 20 | BHAGALPUR ... | 2·72 | 8 3/16<br>12 2/5* | 8 3/16<br>12 2/5* | Weather seasonable. More rain urgently wanted. Condition of standing crops good. Stocks of staple food-grains sufficient. No cattle-disease reported. Fodder and water sufficient. Prices of staple food-grains stationary except in the Madhipura subdivision where they have fallen slightly. Number of persons on gratuitous relief—90 men, 221 women and 271 children—total 582—in the Madhipura subdivision, and 322 men, 778 women and 1,030 children—total 2,130—in the Supaul subdivision. Persons on test works—42 men, 84 women and 32 children—total 158—in the Madhipura subdivision and 39 men, 74 women and 9 children—total 122—in the Supaul subdivision. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 21 | PURNEA ... | Inches. 1·00 | 8 | 8 | Rainfall at Kishanganj 1·32 and at Araria 1·00 inches Weather hot and seasonable. Condition of jute and other *bhadoi* crops good. Weeding going on. Sowing of *aghani* paddy still going on. Stray cases of cattle-disease reported from Katihar, Rupauli and Raniganj thanas. Fodder and water becoming sufficient. 154 persons relieved gratuitously from private funds. Common rice selling at 8 seers a rupee at Araria and Kishanganj. |
| 22 | DARJEELING ... | 2·47 | 8<br>14* | 8<br>14* | Weather seasonable. Hills—Maize, potatoes, *bara* and *chota marua* and *bhadoi* paddy being grown. Terai—Sowings of winter rice in progress. Prospects of jute and sugarcane fair. Famine not apprehended. |
| 23 | SONTHAL PARGANAS. | 0·62 | 9⅝<br>11¼* | 9¾<br>12* | Rainfall at Deoghur 0·46, at Godda 0·26, at Jamtara 0·55, at Pakour 2·10 and at Rajmahal 0·09 inches. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Fodder and water still insufficient in the Godda and Pakour subdivisions. |
| 24 | CUTTACK ... | 0·07 | 10½ | 10½ | *Aghua* cotton being plucked. *Beali* and *saradh* paddy and jute and sugarcane growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 2·15 | 11½ | 11½ | Rainfall at Bhadrak 1·10 inch. Weather seasonable. Sowing of *saradh* and *beali* paddy continuing. Sugarcane thriving. Jute progressing well. Cattle-pox reported from mauzas Nuapur and Sarswatipur in thana Balasore. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 0·26 | 15 | 15 | Weather hot and cloudy. Ploughing of lands and sowing of *bhadoi* and winter paddy in progress. Sugarcane doing well. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water available. Cattle-disease reported. |
| 27 | PURI ... | 0·11 | 9 13/16 | 9 3/16 | Rainfall at Khurda 1·00 inch. Cotton in pods. *Dalua* paddy and castor being harvested. *Beali* and *saradh* paddy being sown. Common rice selling at 10½ seers per rupee at Khurda. 5 men, 31 women and 98 children—total 134—attending kitchens. |
| 28 | SAMBALPUR ... | 0·03 | 12 | 12 | Weather occasionally cloudy. Fields being manured. Sugarcane plants being watered and manured. Sowing of winter paddy commenced in Sambalpur. Condition of vegetables fair. Rinderpest in Sambalpur Tahsil. Fodder and water-supply sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 0·03 | 8½<br>11* | 8½<br>12* | Weather seasonable. Fields being ploughed. Standing crops good. Fodder and water sufficient. Cattle-disease in one thana. |
| 30 | RANCHI ... | 0·07 | 9 | 9 | Weather hot and cloudy. Ploughing continuing. Sowing of *bhadoi* crops and winter paddy in progress. Cattle-disease reported from ten thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 8½ | 9 | Weather very hot Fields being prepared for the next season's crops. Sugarcane doing well. Fodder and water available. Some cattle-disease reported. 277 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 1·50 | 10½ | 10½ | Weather seasonable. State of standing crops good. Early sowing of autumn rice commenced. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Stocks of food-grains adequate. Dhanbaid report not received |
| 33 | SINGHBHUM ... | Nil | 9 | 9 | Weather hot and cloudy. Ploughing and manuring of lands going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 9 and 12 seers per rupee at, Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 3·85 | 7 19/21 | 7 19/21 | Weather very hot and occasionally cloudy. Preparation of lands for *haimantik* paddy continuing. Jute plants thriving well. Prospects of standing crops favourable. Prices of staple food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Hindol ... ... 0·14<br>Athgarh ... ... 1·41<br>Ranpur ... ... 0·69<br>Bonai ... ... 0·12<br>Dhenkanal ... ... 0·69<br>Mayurbhanj... ... 0·06<br>Nilgiri ... ... 1·49<br>Keonjhar ... ... 0·73<br>Weather very hot. Preparation of lands for the next season's crop continuing in Hindol, Athgarh, Nayagarh, Bonai, Baramba, Mayurbhanj, Nilgiri, Pal-Lahara and Khandpara. Sowing of paddy in progress in Talchar, Athgarh, Nayagarh, Ranpur, Bonai, Dhenkanal, Gangpur, Mayurbhanj, Nilgiri, Keonjhar and Daspalla. The condition of sugarcane good in Talcher, Athmallik, Patna, Kalahandi Athgarh, Ranpur, Baud, Dhenkanal, Keonjhar, Khandpara. Fodder and water sufficient. Price of rice varying from 12 seers in Narsingpur, Khardpara, Mayurbhanj and Gangpur and 12½ seers in Athgarh and Athmallik to 17 seers in Patna and 18 seers in Talcher. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 22nd May 1909.

GENERAL SUMMARY.—Rain was general in all districts, Patna, Gaya, Darbhanga and Palamau excepted. In the Patna, Tirhoot and Chota Nagpur Divisions the fall was very light, and in all other districts it was moderate. The recent rain is reported to have facilitated the agricultural operations in Champaran and Howrah. Sowings of jute, paddy and other autumn crops are in progress and preparation of lands for the next season's crops continues. In parts of Darbhanga, cultivation is being retarded for want of moisture. Early sown *makai* in Patna and autumn crops in Monghyr are suffering for want of rain. Sugarcane and vegetables are doing well. There was a severe hail-storm in thana Bolsand in Muzaffarpur. The price of common rice has risen in Jessore, Patna, Muzaffarpur, the Sonthal Parganas and Palamau, has fallen in Midnapore, Hooghly, Nadia, Gaya, Monghyr and Puri, and has been stationary in the remaining districts. The fodder and water-supply is fairly adequate, but in parts of Jessore, Gaya and the Sonthal Parganas, some scarcity has been felt in this respect. Cattle-disease is reported from Burdwan, Midnapore, Nadia, Murshidabad, Jessore, Gaya, Champaran, Monghyr, Purnea, Balasore, Angul, Sambalpur, Hazaribagh, Ranchi and Palamau. 747 persons were on test-works in Muzaffarpur and Bhagalpur, and 46,641 persons attended famine relief-works in Darbhanga. Gratuitous relief was given to 37,365 persons in Muzaffarpur, Darbhanga, Bhagalpur, Purnea, Puri and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 1st June 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 29th May 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 29th May 1909. | | | Week ending Saturday, the 30th May 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 231 | 45,570 | 576 | 155 | 58,714 | 675 |
| Jute ... ... | 23 | 18,450* | 296 | 53 | 19,598† | 279 |
| Firewood ... ... | 48 | 48,950 | 672 | 26 | 21,000 | 327 |
| Other articles ... ... | 606 | 2,20,572 | 2,460 | 491 | 1,82,591 | 2,479 |
| Total ... | 908 | 3,33,542 | 4,004 | 725 | 2,81,903 | 3,760 |

* Weight by canal measurement, 19,812½ maunds.
† Ditto ditto, 25,650 „

CALCUTTA,
*The 1st June 1909.*

E. R. SIRET,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th May 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | | | ° | Inch. | | % | | | Inches. | |
| May | 23rd | 147·6 | 9·0 | 29·714 | 85·9 | 96·7 | 21·1 | 75·6 | 78·3 | 0·871 | 75·2 | 72 | N by E, WSW | 88 | Nil | Partially cloudy. <, ↗. |
| " | 24th | 146·4 | 10·2 | ·614 | 87·9 | 95·3 | 20·2 | 78·1 | 79·9 | ·929 | 76·7 | 71 | SW, SSW and SE. | 129 | ... | Chiefly clear. |
| " | 25th | 153·1 | 10·5 | ·609 | 88·6 | 98·6 | 19·5 | 79·1 | 80·3 | ·931 | 77·1 | 70 | SE, SW and SSW | 175 | ... | Chiefly clear. |
| " | 26th | 145·0 | 10·5 | ·617 | 88·6 | 97·0 | 16·2 | 80·8 | 79·2 | ·873 | 75·1 | 68 | SSW ... | 162 | ... | Chiefly clear. |
| " | 27th | 144·7 | 9·7 | ·612 | 88·9 | 96·8 | 15·2 | 81·6 | 79·4 | ·881 | 75·5 | 68 | S by W, SSE and S. | 192 | ... | Partially cloudy. t, <, p, ↗. |
| " | 28th | 146·0 | 7·8 | ·611 | 82·6 | 94·2 | 22·7 | 71·5 | 77·7 | ·895 | 75·9 | [illegible] | SSE by S, SSW and SSE. | 114 | 1·15 | Partially cloudy. |
| " | 29th | 145·2 | 4·9 | ·611 | 85·1 | 92·4 | 14·1 | 78·3 | 78·0 | ·890 | 75·7 | 77 | SSE and SE. | 110 | Nil | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·645 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 29·609 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 62·6 |
| The maximum possible number of hours of sunshine ... ... ... | 93·2 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 86·8 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 86·7 |
| The extreme variation of temperature ... ... ... ... | 27·1 |
| The maximum temperature ... ... ... ... | 98·6 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 22 |
| | % |
| The mean relative humidity ... ... ... ... ... | 73 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 75 |
| | Inches. |
| The total fall of rain from 23rd to 29th May 1909 ... ... | 1·15 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 1·40 |
| The total fall from 1st January to 29th May 1909 ... ... ... | 10·57 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 9·19 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

<, Lightning; ↗, strong wind; t, thunder; p, passing temporary showers.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 31st May 1909.*

E. P. HARRISON,
*for Director-General of Observatories.*

# BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of January 1909, compared with the corresponding period in 1908.*

| Description of Goods. | 1908. | | 1909 | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs | Tons. | Rs. | Tons. | Rs | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 47 | 878 | 62 | 1,116 | 15 | 238 | ..... | . | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 6,217 | 12,838 | 12,374 | 26,367 | 6,157 | 13,529 | .. | ... .. | |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... .. | 134 | 1,264 | 73 | 767 | ..... | . | 61 | 497 | |
| 2. Manufactured— | | | | | | | | | |
| (a) } Twist and (b) } yarn. { European | 3 | 27 | 21 | 267 | 18 | 240 | ..... | ..... | General development. |
| { Indian ... | 425 | 5,959 | 819 | 8,735 | 394 | 2,776 | ... .. | ..... | |
| (c) } Piece-goods { European | 853 | 8,581 | 1,703 | 18,838 | 850 | 10,257 | | ..... | |
| (d) } { Indian ... | 251 | 3,073 | 540 | 4,512 | 289 | 1,439 | . . . | .. .. | |
| (e) Others ... ... .. | 19 | 276 | 54 | 301 | 35 | 25 | ..... | | |
| IV.—Chemicals, excepting saltpetre | 127 | 241 | 105 | 331 | . .... | 90 | 22 | . .... | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 1 | 12 | 1 | 14 | ..... | 2 | | ..... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 6 | 129 | 9 | 135 | 3 | 6 | .. | . | |
| (b) Others .. ... | 446 | 2,908 | 1,268 | 8,409 | 822 | 5,501 | .. | .. .. | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 9 | 86 | 14 | 157 | 5 | 71 | ..... | . ... | |
| 2. Cutch ... ... ... | 10 | 53 | 5 | 31 | ... | ... .. | 5 | 22 | |
| 3. Indigo ... ... ... | 28 | 254 | 130 | 1,318 | 102 | 1,064 | ..... | ..... | |
| 4. Myrabolams ... .. | 12 | 83 | 6 | 66 | ..... | ... . | 6 | 17 | |
| 5. Tanning barks ... ... | 490 | 502 | 420 | 699 | ... . | 197 | 70 | ... .. | |
| 6. Turmeric ... ... ... | 118 | 1,050 | 147 | 1,152 | 29 | 102 | ..... | ..... | |
| 7. Others ... .. ... | 41 | 376 | 137 | 1,149 | 96 | 773 | ..... | .... | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... ... ... | [illegible] | 1,270 | 785 | 2,487 | 279 | 1,217 | ..... | . | |
| 2. Hay, straw and grass ... | 1,331 | 6,332 | 1,216 | 5,673 | ... . | ..... | 115 | 759 | |
| VIII.—Fruits and vegetables, fresh | 9,566 | 12,916 | 7,354 | 14,340 | ..... | 1,424 | 2,212 | .. ... | |
| IX.—Gram and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 6,858 | 21,741 | 3,126 | 12,753 | ..... | ..... | 3,732 | 8,988 | Demand in Tirhut. |
| 2. Jawar and bajra ... | 1,149 | 3,697 | 11,111 | 85,623 | 9,962 | 81,926 | ..... | ..... | |
| 3. } Rice { in the husk ... | 16,139 | 90,862 | 9,[illegible] | 41,914 | ..... | ..... | 6,781 | 48,888 | Poor crops. |
| 4. } { not in the husk | 17,448 | 87,632 | 11,963 | 42,174 | .. | ..... | 5,485 | 45,458 | |
| 5. Wheat ... ... ... | 966 | 3,196 | 4,290 | 23,250 | 3,324 | 20,054 | . | . . | Good crops and demand for export. |
| 6. Wheat-flour ... .. | 300 | 1,682 | 263 | 795 | | 1[illegible] | 37 | ..... | |
| 7. Makai ... ... ... | 14,338 | 73,235 | 28,453 | 1,93,8[illegible] | 14,115 | 1,20,641 | ..... | . .... | Good crops and demand in Tirhut. |
| 8. Others ... ... ... | 5,179 | 25,429 | 4,019 | 18,296 | . . | ..... | 1,160 | 7,133 | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ... | ..... | ... . | ..... | ..... | ..... | ... .. | |
| (b) Raw .. ... | 501 | 4,058 | 676 | 4,181 | 175 | 123 | .... | ..... | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | . | ... . | ... . | ..... | . . | ..... | ... .. | . ... | |
| (b) Raw ... ... | 193 | 1,070 | 392 | 2,168 | 199 | 1,098 | ..... | . . | |
| XI.—Horns ... .. ... ... | 29 | 206 | 8 | 76 | ... . | .. | 21 | 130 | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 518 | 2,022 | 631 | 3,257 | 113 | 1,235 | ..... | ... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... .. ... | 1,108 | 6,719 | 685 | 3,831 | ... . | ..... | 423 | 2,888 | |
| 2. Gunny-bags and cloth | 1,217 | 8,241 | 1,771 | 12,844 | 554 | 4,603 | .. | ..... | |
| XIV.—Lac ... ... ... ... | 162 | 1,191 | 180 | 1,186 | 18 | [illegible] | ... .. | . | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | 3 | 13 | 17 | 47 | 14 | 34 | ..... | .... . | |
| 2. Wrought, excepting boots and shoes. | 3 | 13 | 1 | 30 | ..... | 1[illegible] | 2 | ... . | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 4 | 23 | 6 | 50 | 2 | 27 | .. | ..... | |
| 2. Wines and spirits of all kinds, including country spirit. | 19 | 303 | 25 | 297 | 6 | ..... | ... .. | 6 | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | .... | ..... | ..... | ..... | .... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 36 | 435 | 64 | 481 | 28 | 46 | ..... | ..... | |
| 2. .. wrought ... | 117 | 1,071 | 195 | 1,504 | 78 | 433 | .. ... | ... . | |
| 3. Copper, unwrought ... | ..... | ..... | ... | ... .. | ..... | ..... | ... .. | ..... | |
| 4. .. wrought ... | 11 | 143 | 20 | 169 | 9 | 26 | .. .. | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 5 | 17 | ..... | . | ..... | ..... | 5 | 17 | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 471 | 2,229 | 774 | 4,601 | 303 | 2,372 | ... .. | ..... | |
| (b) Machinery and mill work. | 57 | 313 | 73 | 319 | 16 | 6 | ..... | ..... | |
| (c) Other manufactures, including hardware and cutlery. | 813 | 5,416 | 528 | 3,631 | ..... | ..... | 285 | 1,785 | |
| 6. Metallic ores ... ... | ..... | ..... | ..... | ..... | ..... | ..... | .. . | ..... | |
| 7. Others ... ... ... | 193 | 1,020 | 270 | 1,955 | 77 | 935 | ..... | ..... | |

| Description of Goods | 1908 | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substances— | | | | | | | | | |
| 1. Slate and stone | 755 | 1,978 | 1,731 | 3,293 | 976 | 1,315 | ..... | ..... | |
| 2. Chalk and lime | 972 | 4,189 | 681 | 2,208 | ..... | ..... | 291 | 1,981 | |
| 3. Others | 38 | 231 | | ..... | ..... | ..... | 38 | 231 | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine | 2,101 | 9,186 | 2,325 | 9,133 | 224 | | ..... | 53 | |
| 2. Castor | 64 | 546 | 106 | 708 | 42 | 162 | ..... | ..... | |
| 3. Cocoanut | | | 5 | 24 | 5 | 24 | ..... | ..... | |
| 4. Mustard and rape | 27 | 231 | 183 | 1,629 | 156 | 1,398 | ..... | ..... | |
| 5. Others | 51 | 505 | 42 | 235 | ..... | ..... | 9 | 271 | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor | 466 | 1,163 | 675 | 1,358 | 209 | 195 | ..... | ..... | |
| 2. Earthnuts | | | | | | | ..... | | |
| 3. Linseed | 823 | 3,421 | 693 | 2,732 | ..... | | 130 | 689 | |
| 4. Poppy | 6 | 27 | 68 | 397 | 62 | 280 | ..... | ..... | |
| 5. Rape and mustard | 397 | 1,828 | 1,924 | 10,378 | 1,527 | 8,550 | ..... | ..... | |
| 6. Til or jinjili | 552 | 2,941 | 2,165 | 10,148 | 1,613 | 7,207 | ..... | ..... | |
| 7. Others | 203 | 836 | 455 | 1,806 | 252 | 970 | ..... | ..... | |
| XXI.—Opium | 243 | 3,225 | 17 | 101 | ..... | ..... | 226 | 3,124 | |
| XXII.—Paper and Pasteboard | 203 | 855 | 262 | 1,291 | 57 | 436 | ..... | ..... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts | 113 | 1,017 | 248 | 2,473 | 135 | 1,456 | ..... | ..... | |
| 2. Ghee | 509 | 5,617 | 755 | 7,345 | 255 | 1,728 | ..... | ..... | |
| 3. Others | 769 | 4,143 | 588 | 3,248 | ..... | ..... | 181 | 895 | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Others | | | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXV.—Salt | 7,360 | 31,698 | 9,390 | 44,916 | 2,030 | 13,218 | ..... | ..... | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre | 797 | 3,385 | 2,186 | 8,206 | 1,389 | 4,821 | ..... | ..... | |
| 2. Other saline substances | 510 | 2,086 | 1,224 | 5,367 | 714 | 3,281 | ..... | ..... | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign | | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts | 192 | 1,498 | 237 | 1,950 | 45 | 452 | ..... | ..... | |
| 2. Cardamoms | 20 | 350 | 21 | 281 | ..... | ..... | 5 | 78 | |
| 3. Chillies | 920 | 806 | 1,143 | 3,504 | 223 | 2,698 | ..... | | |
| 4. Ginger | 134 | 1,016 | 134 | 1,798 | 56 | 782 | ..... | | |
| 5. Pepper | 43 | 412 | 64 | 718 | 21 | 306 | ..... | ..... | |
| 6. Others | 148 | 1,50 | 267 | 2,431 | 119 | 926 | ..... | ..... | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or cry (allised, including sugar-candy | 595 | 4,041 | 967 | 6,665 | 372 | 2,624 | ..... | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar | 1,386 | 8,903 | 2,108 | 1,624 | 722 | 3,631 | ..... | | |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 14,042 | 67,145 | 12,183 | 58,699 | 1,848 | ..... | ..... | 8,446 | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian | 13 | 104 | 9 | 83 | ..... | ..... | 4 | 21 | |
| XXXI.—Tobacco | | | | | | | | | |
| 1. Unmanufactured | 767 | 6,008 | 1,500 | 10,436 | 743 | 4,428 | | ..... | Good crops |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars | 4 | 68 | 1 | 21 | ..... | ..... | 3 | 47 | |
| (b) Other sorts | 24 | 270 | 32 | 364 | 8 | 94 | ..... | ..... | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought | 1,874 | 5,983 | 2,892 | 8,182 | 948 | 2,199 | ..... | ..... | |
| 2. Logs | 234 | 932 | 674 | 2,278 | 440 | 1,346 | | ..... | |
| 3. Poles | ..... | ..... | ..... | ..... | | | ..... | ..... | |
| 4. Manufactures | 409 | 2,352 | 747 | 4,672 | 338 | 2,320 | ..... | ..... | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw | 56 | 95 | 71 | 428 | ..... | 331 | 24 | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs | 1 | 8 | 2 | 20 | 1 | 12 | | ..... | |
| (b) (c) Piece-goods { European | 3 | 35 | ..... | ..... | ..... | ..... | 3 | 35 | |
| (c) Piece-goods { Indian | 7 | 76 | 32 | 345 | 25 | 269 | ..... | ..... | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Tudiko-seed | 311 | 2,053 | 692 | 2,012 | ..... | ..... | 119 | 641 | |
| 2. Firewood | 2,125 | 2,100 | 3,034 | 7,305 | 1,809 | 4,505 | ..... | ..... | |
| 3. Others, not specified above. | 1,066 | 10,048 | 4,000 | 9,607 | ..... | ..... | 306 | 9,941 | |
| Total | 1,28,901 | 6,0,391 | 1,63,[illegible]9 | 7,08,430 | 56,149 | 3,13,985 | 21,761 | 1,43,046 | |

GORAKHPUR, *the 26th May 1909.*

W. JENKINS,
for *Chief Auditor.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 15th May 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 523,437 | 4,13,031 0 0 | 76,83,784 0 | 12,95,911 0 0 | 46,525 0 0 | 17,55,437 0 0 | 165,674 | 220,804 | 386,478 |
| Or per mile of railway ... ... | .. | 180 2 7 | .. | 565 5 1 | 20 4 9 | 765 12 5 | ... | | |
| For previous 18¾ weeks of half-year | 9,808,815 | 85,87,792 0 0 | 12,78,33,969 9 | 2,10,74,257 0 0 | 8,28,477 0 0 | 3,04,90,526 0 0 | 3,042,664 | 3,996,045 | 7,038,708 |
| Total for 19¾ weeks ... | 10,332,252 | 90,00,793 0 0 | 13,55,17,753 0 | 2,23,70,168 0 0 | 8,75,002 0 0 | 3,22,45,963 0 0 | 3,208,340 | 4,216,846 | 7,425,186 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. ... | 655,222 | 4,81,658 8 1 | 79,63,115 10 | 12,05,761 15 0 | 34,871 1 10 | 17,22,291 8 11 | 165,407 | 232,131 | 392,538 |
| Per mile of railway corresponding week of previous year ... | ... | 210 9 8 | .. | 527 3 5 | 15 3 11 | 753 1 0 | | ... | |
| Total for corresponding 19¾ weeks of previous year ... ... .. | 10,858,803 | 99,12,097 2 4 | 14,48,62,003 0 | 2,29,36,396 8 0 | 8,00,865 7 8 | 3,36,49,359 2 0 | 3,162,701 | 4,489,231 | 7,651,932 |

*1909.*

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,312,028 | 20,57,070 | 3,02,58,280 | 49,14,207 | 2,17,919 | 71,89,196 | 3,136 | 1,077,717 | 4 4 7 |
| *2,292·37 | ,, ,, Feb. ... | 2,297,891 | 19,60,811 | 2,76,53,878 | 46,01,753 | 1,00,929 | 67,53,293 | 2,946 | 1,044,808 | 4 6 2 |
| *2,292·37 | First 6 days of March .. | 440,830 | 4,80,135 | 60,16,685 | 10,28,857 | 39,086 | 15,48,078 | 675 | 343,155 | 4 10 4 |
| 2,292·37 | Week ended 14th ,, ... | 567,310 | 5,14,413 | 71,31,914 | 11,16,505 | 35,533 | 16,66,454 | 727 | 387,568 | 4 4 9 |
| 2,292·37 | ,, ,, 20th ,, ... | 531,202 | 4,93,955 | 68,89,816 | 11,38,811 | 35,536 | 16,68,302 | 728 | 386,272 | 4 5 1 |
| 2,292·37 | ,, ,, 27th ,, ... | 527,933 | 4,84,703 | 66,56,271 | 10,[illegible],218 | 44,474 | 16,16,394 | 705 | 381,653 | 4 3 9 |
| 2,292·37 | ,, ,, 3rd April ... | 551,745 | 4,74,848 | 72,36,065 | 11,7[illegible],519 | 42,474 | 16,91,832 | 738 | 389,371 | 4 5 [illegible] |
| 2,292·37 | ,, ,, 10th ,, | 511,009 | 4,59,036 | 73,85,907 | 12,15,520 | 42,474 | 17,17,020 | 749 | 389,380 | 4 6 7 |
| 2,292·37 | ,, ,, 17th ,, . | 503,789 | 3,99,182 | 67,04,530 | 11,44,882 | 42,474 | 15,86,938 | 692 | 384,075 | 4 2 1 |
| 2,292·37 | ,, ,, 24th ,, ... | 512,908 | 4,09,658 | 73,97,150 | 12,42,948 | 46,[illegible] | 16,99,151 | 741 | 389,318 | 4 5 11 |
| 2,292·37 | ,, ,, 1st May ... | 516,163 | 4,08,679 | 72,86,010 | 11,86,326 | [illegible] | 16,41,639 | 716 | 395,919 | 4 2 10 |
| 2,292·37 | ,, ,, 8th ,, ... | 545,884 | 4,14,993 | 73,94,673 | 12,20,820 | [illegible] | 17,12,938 | 747 | 396,172 | 4 6 11 |
| 2,292·37 | ,, ,, 15th ,, ... | 524,437 | 4,13,001 | 76,83,784 | 12,95,911 | 46,525 | 17,55,437 | 766 | 386,478 | 4 8 8 |
| | Totals up to date ... | 10,332,252 | 90,00,793 | 13,55,17,753 | 2,23,70,168 | 8,75,002 | 3,22,45,963 | 729 | 7,425,186 | 4 5 [illegible] |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded.

*1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,641 | 20,92,534 | 3,18,68,828 | 50,53,727 | 1,75,350 | 73,21,611 | 3,201 | 1,092,116 | 4 5 8 |
| 2,287·05 | ,, ,, Feb. ... | 2,421,324 | 23,30,586 | 3,04,94,003 | 50,90,001 | 1,81,028 | 76,32,565 | 3,337 | 1,107,307 | 4 10 7 |
| 2,287·05 | Week ended 7th March ... | 6[illegible],809 | 5,14,939 | 73,[illegible],192 | 11,[illegible],979 | 4[illegible],082 | 17,[illegible],990 | 750 | 385,454 | 4 6 8 |
| 2,287·05 | ,, ,, 14th ,, ... | 508,430 | 5,44,733 | 77,1[illegible],217 | 10,78,964 | 34,757 | 16,[illegible],454 | 725 | 378,642 | 4 6 1 |
| 2,287·05 | ,, ,, 21st ,, ... | 476,295 | 4,[illegible],610 | 74,70,840 | 11,14,138 | 40,026 | 15,89,574 | 695 | 383,356 | 4 0 8 |
| 2,287·05 | ,, ,, 28th ,, ... | 510,075 | 5,15,[illegible] | 83,92,115 | 12,84,537 | 39,6[illegible]5 | 18,3[illegible],249 | 804 | 408,[illegible]76 | 4 8 1 |
| 2,287·05 | ,, ,, 4th April . | 500,984 | 4,78,044 | 72,47,140 | 11,48,395 | 41,244 | 16,78,283 | 735 | 400,[illegible]07 | 4 2 3 |
| 2,287·05 | ,, ,, 11th ,, ... | 556,498 | 4,58,863 | 70,26,325 | 11,18,150 | 44,801 | 16,51,814 | 722 | 401,[illegible]09 | 4 1 1[illegible] |
| 2,287·05 | ,, ,, 18th ,, .. | 564,435 | 4,75,875 | 69,77,157 | 11,24,125 | 44,489 | 16,44,489 | 7[illegible]9 | 407,989 | 4 0 6 |
| 2,287·05 | ,, ,, 25th ,, ... | 568,031 | 4,88,960 | 7[illegible],13,502 | 11,73,0[illegible] | 40,[illegible]36 | 17,0[illegible] | 744 | 389,994 | 4 5 10 |
| 2,287·05 | ,, ,, 2nd May ... | 585,952 | 5,15,464 | 71,40,803 | 11,66,7[illegible]4 | [illegible],721 | 17,18,9[illegible] | 752 | 383,142 | 4 7 1 |
| 2,287·05 | ,, ,, 9th ,, ... | 651,106 | 5,20,184 | 77,33,574 | 12,33,85[illegible] | 42,015 | 17,95,058 | 785 | 388,294 | 4 10 [illegible] |
| 2,287·05 | ,, ,, 16th ,, ... | 655,522 | 4,81,659 | 79,63,115 | 12,05,[illegible]05 | 34,871 | 17,22,291 | 753 | 392,[illegible]15 | 4 6 2 |
| | Totals up to date ... | 10,854,803 | 99,12,098 | 14,48,62,003 | 2,29,36,396 | 8,00,865 | 3,36,49,359 | 752 | 7,651,932 | 4 6 [illegible] |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 15th May 1909 on 768 miles open for all descriptions of traffic, and on additional 3 miles for goods traffic only.*

| | Coaching Traffic | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 65,530 | 41,503 0 0 | 451,000 0 | 41,000 0 0 | 2,500 0 0 | 85,000 0 0 | 15,169 | 20,356 | 35,525 |
| Or per mile of railway | 85·29 | 54·04 | 587·35 | 53·18 | 3 24 | 110·46 | 19·75 | 26 40 | 46·15 |
| For previous 19 weeks of half-year ... ... . . | 1,320,614 | 8,52,762 0 0 | 6,454,921 0 | 7,88,453 0 0 | 85,680 0 0 | 17,26,835 0 0 | 267,384 | 361,145 | 628,829 |
| Total for 20 weeks .. | 1,386,144 | 8,94,262 0 0 | 6,905,921 0 | 8,29,453 0 0 | 88,180 0 0 | 18,11,835 0 0 | 282,553 | 381,501 | 664,354 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year ... | 64,678 | 40,658 0 0 | 270,462 0 | 47,607 0 0 | 2,844 0 0 | 86,599 0 0 | 15,655 | 20,192 | 35,851 |
| Per mile of railway corresponding week of previous year .. | 84·22 | 52·94 | 350·66 | 55·90 | 3·69 | 112 53 | 20 39 | 26·19 | 46·58 |
| Total to corresponding date of previous year ... . . | 1,353,704 | 9,08,970 0 0 | 5,437,142 0 | 7,59,269 0 0 | 90,201 0 0 | 17,58,380 0 0 | 314,350 | 407,306 | 721,656 |

FINANCIAL YEAR.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 15th May 1909 | | | Receipts for week ending 16th May 1908 | | | Total receipts from 1st April 1909 to 15th May 1909 | | | Total receipts from 1st April 1908 to 16th May 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 85,600 | 110 46 | 771 | 86,599 | 112·53 | 771 | 5,52,216 | ... | 771 | 5,51,764 | ... | 452 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 15th May 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. | Rs. | | | |
| Total traffic for the week on 1,870 miles open | 368,200 | 1,42,420 | 1,363,260 | 1,95,630 | 17,960 | 3,65,710 | 59,079 | (c)53,337 | 112,416 |
| Or per mile of railway | 196·91 | 76·16 | 729·02 | 104·62 | 9·60 | 195·57 | ..... | ..... | ..... |
| For previous 18 weeks of half-year (d) ... . | 6,145,868 | 25,37,288 | 23,208,906 | 33,56,899 | 5,99,673 | 64,03,860 | 1,052,475 | 910,877 | 1,963,352 |
| Total for 19 weeks | 6,514,068 | 26,79,708 | 24,572,166 | 35,52,529 | 6,17,633 | 67,69,570 | 1,111,554 | 964,214 | 2,075,768 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open .. .. | 457,218 | 1,66,177 | 1,240,286 | 1,65,635 | 27,904 | 3,59,716 | 60,227 | (e)49,306 | 109,533 |
| Per mile of corresponding week of previous year .. . | 255·32 | 92·48 | 690 20 | 92·17 | 15 53 | 200·18 | .. | .... | ..... |
| Total to corresponding date of previous year ... ... ... | 6,781,709 | 25,92,578 | 23,657,589 | 32,51,424 | 6,13,197 | 63,57,189 | 1,124,115 | 922,087 | 2,046,202 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week .. | | 2 41 | | 3·67 | [illegible] | 3·25 | | | |
| Ditto for corresponding week of previous year . .. .. | | 2 76 | | 3·36 | [illegible] | 3 28 | | | |

(a) Decrease in over passengers due to heavy ecolig traffic last year.
(b) Increase chiefly under coal and foreign outward.
(c) Include Saleamaveo ballast trains.
(d) Includes revised figures up to February 1909.
(e) Includes 3,328 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 22nd May 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 423,220 | 1,94,310 0 0 | 1,537,620 0 | 1,95,050 0 0 | 17,740 0 0 | 4,07,100 0 0 | 76,752 | (b)42,812 | 119,564 |
| Or per mile of railway ... ... | 283 | 130 0 0 | 1,027 0 | 130 0 0 | (a)1 0 0 | (a)261 0 0 | ... | ... | ... |
| For previous 20 weeks of half-year (c) ... ... ... ... | 8,957,465 | 40,32,399 0 0 | 41,668,109 0 | 49,72,342 0 0 | 6,62,899 0 0 | 96,67,640 0 0 | 1,495,348 | 1,017,056 | 2,512,404 |
| Total for 21 weeks ... | 9,380,685 | 42,26,709 0 0 | 43,206,029 0 | 51,67,392 0 0 | 6,80,639 0 0 | 1,00,74,740 0 0 | 1,572,100 | 1,059,868 | 2,631,968 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 419,392 | 1,87,757 0 0 | 1,441,372 0 | 1,76,385 0 0 | 14,950 0 0 | 3,79,092 0 0 | 75,051 | 35,604 | 110,655 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | 324 | 147 0 0 | 1,131 0 | 139 0 0 | 1 0 0 | 287 0 0 | ... | .. | ... |
| Total to corresponding date of previous year ... ... | 10,476,178 | 45,10,594 0 0 | 40,198,887 0 | 46,56,997 0 0 | 6,18,9[illegible]0 0 0 | 98,16,541 0 0 | 1,605,112 | 924,670 | 2,527,782 |

(a) Excluding steamer earnings, Rs. 16,100.
(b) Excluding ballast train-miles, Rs. 9,140.
(c) Audited up to March 1909.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 22nd May 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 35,670 | 10,960 0 0 | 56,860 0 | 4,210 0 0 | 240 0 0 | 15,410 0 0 | 5,596 | (a)1,200 | 6,796 |
| Or per mile of railway ... | 415 | 127 0 0 | 661 0 | 49 0 0 | 3 0 0 | 179 0 0 | ... | ... | ... |
| For previous 20 weeks of half-year (b) ... ... . .. | 839,003 | 2,60,010 0 0 | 1,384,983 0 | 1,[illegible]107 0 0 | 17,085 0 0 | 3,66,202 0 0 | 109,390 | 27,530 | 136,920 |
| Total for 21 weeks .. | 874,673 | 2,60,970 0 0 | 1,441,843 0 | 1,13,[illegible] 0 0 | 7,325 0 0 | 3,81,612 0 0 | 114,986 | 28,730 | 143,716 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 28,083 | 11,750 0 0 | 73,224 0 | 5,302 0 0 | 84 0 0 | 17,136 0 0 | 5,656 | 1,284 | 6,940 |
| Per mile of railway corresponding week of previous year . | 443 | 136 0 0 | 851 0 | 62 0 0 | 1 0 0 | 199 0 0 | .. | .. | .. |
| Total to corresponding date of previous year ... ... | 898,531 | 2,71,959 0 0 | 2,132,162 0 | 1,53,706 0 0 | 5,569 [illegible] | 4,31,234 0 0 | 1,17,060 | 36,954 | 153,0[illegible] |

(a) Excluding ballast train-miles, 600.
(b) Audited up to March 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 22nd Ma[illegible]909 on 33[illegible]6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 4,810 | 1,710 0 0 | 20,100 0 | 1,630 0 0 | 20 0 0 | 3,120 0 0 | 141 | (a) [illegible] | 1,4[illegible] |
| Or per mile of railway .. .. | 143 | 51 0 0 | 607 0 | 50 0 0 | 1 0 0 | [illegible] 0 0 | .. | .. | ... |
| For previous 20 weeks of half-year (b) ... ... ... ... | 91,93[illegible] | 38,618 0 0 | 509,926 0 | 35,605 0 0 | 313 0 0 | 74,[illegible]36 0 0 | 9,582 | 38,[illegible]80 | 47,9[illegible] |
| Total for 21 weeks ... | 96,747 | 40,328 0 0 | 530,026 0 | 37,295 0 0 | 333 0 0 | 7[illegible],956 0 0 | 10,023 | 39,375 | 4[illegible] |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 4,710 | 1,647 0 0 | 20,012 0 | 1,559 0 0 | 17 0 0 | 3,223 0 0 | 442 | 1,149 | 1,[illegible] |
| For mile of railway corresponding week of previous year ... | 140 | 49 0 0 | 596 0 | 46 0 0 | 1 0 0 | 96 0 0 | ... | . | .. |
| Total to corresponding date of previous year ... ... ... | 98,501 | 41,578 0 0 | 531,888 0 | 36,759 0 0 | 328 0 0 | 78,665 0 0 | 9,383 | 32,616 | [illegible] |

(a) Excluding ballast train-miles, 900.
(b) Audited up to March 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 22nd May 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 12,320 | 4,010 0 0 | 33,890 0 | 2,010 0 0 | 20 0 0 | 6,040 0 0 | 2,010 | (a) 684 | 2,694 |
| Or per mile of railway ... .. | 228 | 74 0 0 | 720 0 | 37 0 0 | 1 0 0 | 112 0 0 | ... | ... | .. |
| For previous 20 weeks of half-year (b) .. ... .. .. | 337,784 | 93,446 0 0 | 1,059,433 0 | 59,407 0 0 | 477 0 0 | 1,53,330 0 0 | 38,870 | 14,393 | 53,263 |
| Total for 21 weeks . | 350,104 | 97,456 0 0 | 1,093,323 0 | 61,417 0 0 | 497 0 0 | 1,59,370 0 0 | 40,880 | 15,077 | 55,957 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 12,784 | 4,130 0 0 | 48,425 0 | 2,923 0 0 | 12 0 0 | 7,065 0 0 | 2,011 | 971 | 2,982 |
| Per mile of railway corresponding week of previous year .. | 237 | 77 0 0 | 897 0 | 54 0 0 | ... | 131 0 0 | .. | .. | .. |
| Total to corresponding date of previous year ... .. . | 342,538 | 92,631 0 0 | 907,478 0 | 49,420 0 0 | −2,020 0 0 | 1,40,040 0 0 | 42,812 | 12,649 | 55 461 |

(a) Ballast train-miles, Nil.
(b) Audited up to March 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 22nd May 1909 ... | Coaching ... | 10,502 0 0 | 21,727 0 0 |
| | Goods ... | 11,162 0 0 | |
| | Other earnings .. | 63 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 10,673 0 0 | 21,320 0 0 |
| | Goods . | 10,573 0 0 | |
| | Other earnings ... | 74 0 0 | |
| | Increase | — | 407 0 0 |
| Receipts per mile for the week ending 22nd May 1909 . ... | ... | — | 426 0 4 |
| Ditto for the corresponding period of 1908 ... | ... | — | 418 0 8 |
| | Increase | — | 7 15 8 |
| Receipts from 1st January to 22nd May 1909 ... | ... | ... | 3,61,986 0 0 |
| Ditto for the corresponding period of 1908 ... | ... | ... | 3,52,929 0 0 |
| | Increase | ... | 9,057 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 2nd June 1909.

REGISTERED No. C 209.

No. 24 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, JUNE 16, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.


| | Page |
|---|---|
| Report on the working of the Steam trawler *Golden Crown* ... | 875—878 |
| Monthly Weather and Crop Report of Bengal for May 1909 ... | 879—880 |
| Weather and Crop Report for the week ending the 14th June 1909 ... | 881—886 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 12th June 1909 ... | 887 |
| Area leased for Irrigation up to end of April 1909 ... | 888—889 |
| Abstract statement showing Tollage on Canals in Bengal classed as Major and Minor Works for the month of April 1909 ... | 890—891 |
| Table of Rainfall recorded at stations in Bengal in May 1909 ... | 892—897 |
| District Rainfall Table of the Province of Bengal for May 1909 ... | 898—899 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of May 1909 ... | 900 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th June 1909 | 901 |
| Railway Returns ... | 902—909 |


## REPORT ON THE WORKING OF THE STEAM TRAWLER *GOLDEN CROWN*.

THE following papers are published for general information.

F. W. DUKE,
*Offg. Chief Secy. to the Govt. of Bengal.*

CALCUTTA,
*The 8th June 1909.*

*Report on the working of the Government steam trawler* Golden Crown *for the quarter ending 31st March 1909.*

DURING the quarter under review the *Golden Crown* made six voyages to the Bay of Bengal, this being one less than that of the previous quarter.

The dates of these voyages were :—

1. December 30th, 1908 to January 7th, 1909.
2. January 11th to 19th, 1909.
3. January 23rd to 29th, 1909.
4. February 9th to 15th, 1909.
5. February 19th to 27th, 1909.
6. March 5th to 15th, 1909.

Although the first voyage was commenced during the December quarter, fishing did not start until January, so the results are included here. The trawler also left for sea again on March 30th. At a meeting of the Fishery Board held on 19th March it was decided that the trawler should not go to

sea until certain alterations had been made, and this is the reason why one trip less was made during the quarter.

### Details of Journeys.

To facilitate comparison with the previous quarter the above dates include the whole time the ship was away from port. The total number of days is thus 53, this being one more than the previous quarter. The average length of voyage is, however, $8\frac{5}{6}$ days, as compared with $7\frac{3}{7}$ for the previous quarter. This is an improvement, since, as will be seen later, with practically the same quantity of fish the expenses must be less, since one charge or pilotage dues has been saved as well as the coal bill for an extra journey.

Very probably if two longer journeys per month were made more fish would be caught, since the vessel would be longer on the fishing grounds and expenses would be lower. The actual number of days during which fishing operations were carried on was $31\frac{1}{4}$; during January $14\frac{3}{4}$, during February $8\frac{3}{4}$ and during March $7\frac{3}{4}$. This number is somewhat less—nearly four days—than for the previous quarter, although the trawler was one day more away from the port. This is partly due to the fact that longer voyages were made and more distant grounds visited, and also partly to the damage done to the nets owing to the rockier nature of the ground trawled over, the necessary repairs causing frequent delays, since, as was explained in the previous report, the *Golden Crown* can only trawl with her port gear.

The first voyage was to the Arakan coast, where trawling was tried in the neighbourhood of Elephant Point and subsequently off St. Martin's Reef and Oyster Isle (near Akyab). Then a course was set for the Orissa coast and fishing was tried off Konarak.

During the second voyage the ground trawled over was off the entrance to the Eastern Channel, in nearly 30 fathoms water, and the same ground was again trawled over during the 3rd and 4th voyages. On the fifth voyage trawling was tried first of all off Konarak and then off Gopalpur in 27 fathoms. After a few hauls at Gopalpur we steamed back to Puri and from there trawled back to Konarak. Later trawling was tried off the entrance to the Eastern Channel and down nearly as far as Matla Lightship. The last voyage of the quarter was to the Orissa and Ganjam Coast. Trawling was tried off Konarak, Puri, Gopalpur, Sonapur, Kati, Pundi and Baruva, mainly in depths from 20 to 30 fathoms.

### Weight of Fish Landed.

During this quarter all fish put below into the hold has been weighed. It is perhaps as well to emphasise here that sharks and sawfish are not included in the totals mentioned below.

The total weight of edible fish was :—

| | | |
|---|---|---|
| 1 | 4,262 | lbs. |
| 2 | 19,020 | ,, |
| 3 | 13,914 | ,, |
| 4 | 17,989 | ,, |
| 5 | 8,958 | ,, |
| 6 | 17,977 | ,, |
| | 82,120 | lbs, or $36\frac{1}{2}$ tons approximately. |

The details of these catches are submitted in an appendix.

During the quarter the average catch per day's absence from Port of the *Golden Crown* was 13·80 cwts.; and the average duration of voyage 8·84 days.

For each day's fishing the quantity of fish caught was nearly 23 cwts.

### Conclusion.

It has been found impossible to bring the list of species captured up-to-date. From the material already examined it is apparent that quite a number of species, not previously captured by the *Golden Crown*, have been obtained and several of these are marketable fish of excellent appearance and taste.

## APPENDIX.

*Statement showing the total weight of each kind of fish landed per voyage.*

| NAME OF FISH. | 31st December 1908 to 6th January 1909. | 12th to 18th January 1909. | 21th to 28th January 1909. | 10th to 14th February 1909. | 24th to 26th February 1909. | 5th to 16th March 1909. | TOTAL. |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | MDS. | MDS. | MDS. | MDS. | MDS. | MDS. | MDS. |
| Whitings .. ... | 882 | 3,914 | 1,878 | 2,323 | 735 | 3,366 | 13,098 |
| Gurnards ... | 1,163 | 4,759 | 4,054 | 3,315 | 2,357 | 2,273 | 17,921 |
| Bhekties ... ... | 21 | 277 | 410 | 159 | 755 | 4,243 | 5,895 |
| Prawns .. ... | 59 | 314 | 80 | 350 | 389 | 941 | 2,133 |
| Small flats .. | 607 | 790 | 331 | 972 | 1,246 | 2,357 | 6,303 |
| Red flats ... ... | 77 | ... | ..... | ..... | 319 | 1,007 | 1,403 |
| Pomfrets ... ... | 236 | 1,935 | 1,070 | 2,775 | 351 | 146 | 6,513 |
| Conger eels ... | 92 | 4,381 | 3,663 | 3,836 | 1,056 | 226 | 13,254 |
| Halibuts . | 39 | 348 | 105 | 194 | 84 | 320 | 1,090 |
| Skates .. ... | 631 | 1,556 | 1,738 | 2,820 | 1,230 | 2,519 | 10,197 |
| Turtles ... ... | ..... | 6 in No. | ..... | ..... | ..... | 80 | 80 |
| Soles ... ... | 45 | 401 | 228 | 178 | 64 | 59 | 975 |
| Smelts ... ... | ..... | ..... | ..... | ..... | 32 | 282 | 314 |
| Mackerel ... ... | ..... | ..... | ..... | 477 | 43 | 58 | 578 |
| Rock salmon | 84 | 256 | 327 | 403 | 56 | ..... | 1,126 |
| Red perch ... | [illegible] | ..... | ..... | 161 | ..... | ..... | 345 |
| Mixed ... ... | 142 | 89 | ..... | ..... | ..... | ..... | 238 |
| Herring ... ... | ..... | ..... | ..... | 26 | ..... | ..... | 26 |
| Shark's fins ... | ..... | ..... | ..... | ..... | 241 | 100 | 341 |
| GRAND TOTAL ... | 4,262 | 19,020 | 13,914 | 17,989 | 8,958 | 17,977 | 82,120 |

J. TRAVIS JENKINS,

*Fishery Adviser to Government of Bengal.*

## STATEMENT SHOWING THE WEIGHT OF FISH BROUGHT TO SALE AND THE SALE-PROCEEDS FOR THE QUARTER ENDING 31st MARCH, 1909.

| Months. | Weight of fish brought to sale.* | | Sale proceeds of fish. | | |
|---|---|---|---|---|---|
| | MDS. | SRS. | RS. | A. | P. |
| January 1909 ... | 227 | 26 | 974 | 9 | 3 |
| February ,, ... | 113 | 11 | 1,533 | 3 | 9 |
| March ,, ... | 182 | 22 | 545 | 13 | 3 |
| Total ... | 523 | 19 | 3,053 | 10 | 3 |

* Fish sent direct to Chinsurah were not weighed. The weight given is the weight of fish stored at the Bank Hall Store and brought to the Hogg Market for sale.

A. AHMAD,

*Commissioner of Fisheries, Bengal.*

## THE DRYING HOUSE FACTORY AT AHIREEPOOKER ROAD.

A small model factory was started at 26, Ahireepooker Road, in order to experiment in the preparation of isinglass, fish-oil and fish manure from fish brought in by the *Golden Crown*. The oil is extracted by a simple process from the fish livers by heating them with water, the refuse being utilised as manure. The oils extracted from different species and the manure were sent to the Reporter on Economic Products for analysis and the result is given below. From Mr. Hooper's analysis of the isinglass prepared at the factory, it will be seen that the process in use is still capable of great improvement. These experiments have been undertaken in order to ascertain, if these articles have any commercial value and it is gratifying to find that the despatch of samples of the present imperfect products to well known firms in the United Kingdom produced immediate orders for large consignments. But it is not, of course, the intention of Government to embark in any commercial enterprise and the efforts of the department will be confined to improving the processes of manufacture.

Analysis of fish manure—

| | |
|---|---|
| Moisture ... ... ... ... | 13·70 |
| Oil ... ... ... ... ... | 40·00 |
| Organic matter* ... ... ... ... | 42·75 |
| Ash ... ... ... ... ... | 3·55 |
| Total ... | 100·00 |

| | |
|---|---|
| * Containing nitrogen ... ... ... ... | 5·83 |
| Ditto phosphoric acid ... ... ... ... | 0·97 |

Analysis of Isinglass—

| | |
|---|---|
| Water ... ... ... ... | 15·55 |
| Soluble isinglass ... ... ... ... | 72·80 |
| Fibre or Chondrin ... ... ... ... | 10·30 |
| Ash ... ... ... ... ... | 1·35 |
| Total ... | 100·00 |

A. AHMAD,
*Commissioner of Fisheries, Bengal.*

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR MAY 1909.

*Character of the season.*—The rainfall, although general throughout the Province, was below the average in all districts, excepting Khulna, where it was slightly in excess. The usual rainfall table is appended.

II.—*Progress of agricultural operations.*—Good rain in April with the showers received in May enabled much progress to be made in the preparation of lands for the early monsoon crops. The sowing of autumn paddy was generally in full swing throughout the month. Towards the latter part of the month, however, sowings were checked in parts of Burdwan, Jessore, Darbhanga and Monghyr for want of moisture.

III.—*State of standing crops.*—Sugarcane and other standing crops were greatly benefited by the rainfall, and present prospects of these crops are reported to be favourable.

IV.—*Prospects and probable outturn of harvests.*—Prospects of the autumn crops are so far good.

V.—*Damage to crops.*—No serious damage has been reported, except in Purnea, where a large portion of the mango crop was destroyed by a cyclone. The early sown autumn crops suffered in parts of Patna and Monghyr for want of timely rain.

VI.—*Condition of agricultural stock.*—Cattle are reported to be in fair condition, but rinderpest was prevalent in parts of Nadia and Sambalpur. Ordinary cattle-diseases were reported from all districts, except Birbhum, Bankura, Saran, Darjeeling, Cuttack and Singhbhum.

VII.—*Failure of pasturage and fodder.*—The rain greatly improved the supplies of fodder and water. Deficiency of these supplies was reported only from parts of Murshidabad, Jessore, Gaya, Darbhanga, Monghyr and the Sonthal Parganas.

VIII.—*Prices of food-grains.*—The price of common rice showed a tendency to rise. During the latter part of May the price of coarse rice rose in 11 districts, fell in 7 districts, and was stationary in the remaining districts. It varied from 8 seers in Purnea to 15 seers in Angul. Prices of staple food-grains were easier than in the corresponding period of last year.

IX.—*Condition of labouring classes and agricultural population.*—Agricultural operations were in full swing throughout the Province and provided ample employment for agricultural labourers. The condition in the districts where scarcity prevails appears to have improved. The number of persons on test-works, although showing an increase at the beginning of the month fell towards its end. Large numbers are still attending famine relief-works in Darbhanga, and gratuitous relief is still being given in Darbhanga, Muzaffarpur, Bhagalpur, Purnea and Palamau.

CALCUTTA,
*The 14th June 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Statement showing the Rainfall in each district during May 1909.*

| Division. | District. | Normal district rainfall for the month of May. | Actual district rainfall for the month of May 1909. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 5·08 | 4·51 | —0·57 |
| | Birbhum ... | 4·07 | 2·33 | —1·74 |
| | Bankura ... | 4·36 | 3·57 | —0·79 |
| | Midnapore ... | 5·39 | 4·29 | —1·10 |
| | Hooghly ... | 5·50 | 4·31 | —1·19 |
| | Howrah ... | 5·27 | 3·80 | —1·47 |
| | 24-Parganas ... | 5·49 | 5·44 | —0·05 |
| | Calcutta ... | 5·60 | 4·52 | —1·08 |
| | Nadia ... | 6·72 | 5·42 | —1·30 |
| | Murshidabad ... | 5·13 | 3·38 | —1·75 |
| | Jessore ... | 7·13 | 6·44 | —0·69 |
| | Khulna ... | 6·45 | 6·91 | +0·46 |
| Bihar ... | Patna ... | 1·75 | 0·16 | —1·59 |
| | Gaya ... | 1·18 | 0·09 | —1·09 |
| | Shahabad ... | 0·77 | 0·10 | —0·67 |
| | Saran ... | 1·55 | 0·40 | —1·15 |
| | Champaran ... | 2·61 | 1·76 | —0·85 |
| | Muzaffarpur ... | 2·29 | 1·26 | —1·03 |
| | Darbhanga ... | 2·56 | 1·73 | —0·83 |
| | Monghyr ... | 2·16 | 0·67 | —1·49 |
| | Bhagalpur ... | 3·15 | 1·82 | —1·33 |
| | Darjeeling ... | 9·29 | 8·34 | —0·95 |
| | Purnea ... | 5·41 | 2·46 | —2·95 |
| | Sonthal Parganas | 2·75 | 1·68 | —1·07 |
| Orissa ... | Cuttack ... | 4·23 | 3·37 | —0·86 |
| | Balasore ... | 5·06 | 4·34 | —0·72 |
| | Angul ... | 2·42 | 1·11 | —1·31 |
| | Puri ... | 3·13 | 1·31 | —1·82 |
| | Sambalpur ... | 1·23 | 0·18 | —1·05 |
| Chota Nagpur | Hazaribagh ... | 1·89 | 0·18 | —1·71 |
| | Ranchi ... | 1·69 | 1·29 | —0·40 |
| | Palamau ... | 0·94 | 0·16 | —0·78 |
| | Manbhum ... | 2·81 | 1·43 | —1·38 |
| | [illegible]bhum ... | 3·33 | 1·64 | —1·69 |

## WEATHER AND CROP REPORT.

*For the week ending the 14th June 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 2·46 | 9 | 9 | Weather seasonable. Preparation of lands for the sowing of *kharif* crops going on. Jute and sugar-cane doing well. No cattle-disease. Stocks of food-grains and fodder and water sufficient. |
| 2 | BIRBHUM ... | 7·30 | 9 | 9 | Weather cloudy. Abnormal rainfall at Rampur Hât 15·35 inches where the Brahmini river has overflowed. Fodder and water sufficient. No apprehension of scarcity. |
| 3 | BANKURA ... | 3·78 | 9½ | 10 | Rainfall at Vishnupur 3·77 inches. Weather seasonable. Transplanting of *aus* paddy going on. Agricultural work being retarded by heavy rain in the interior. Prospects of sugarcane not good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE .. | 0·29 | 9½ | 9¾ | Rainfall at Contai 5·97, at Tamluk 3·93 and at Ghatal 2·06 inches. Sowings of *bhadoi* crops, jute and winter rice continuing. *Til* being harvested in the Ghatal subdivision. Outturn of tobacco not fair in the Tamluk subdivision. Fodder and water sufficient. Cattle-disease in thanas Dantan, Keshiari and Mohanpur. Common rice selling at 10 seers per rupee at Contai, at 8 seers at Tamluk and at 9½ seers at Ghatal. |
| 5 | HOOGHLY ... | 2·85 | 8 | 8½ | Weather cloudy. Stocks of food-grains sufficient. Condition of jute and vegetables good. Sowings of paddy seedlings continuing. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 3·27 | 9 | 9 | Cultivation retarded to some extent by the heavy rainfall of this and the last week. *Aus* paddy and jute doing fairly well. Sowings of paddy seedlings and preparation of lands for winter rice making slow progress owing to heavy rain. Fodder and water sufficient. Condition of agricultural stock fair. Common rice selling at 8½ seers per rupee at Ulubaria. |
| 7 | 24-PARGANAS | 4·13 | 9½ | 9¾ | Weather seasonable. Weeding of jute going on. Common rice selling at 8 seers per rupee at Barasat, at 10½ seers at Basirhat, at 9⅝ seers at Diamond Harbour, and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 2·94 | 9 6/16 | 8 9/16 | Rainfall at Ranaghat 4·55, at Kushtia 2·56, at Meherpur 1·61 and at Chuadanga 2·87 inches. Weeding of *aus* paddy and jute continuing. Prospects of standing crops good. Prices of staple food-grains fallen. Stocks of food-grains sufficient. Cattle-pox prevailing in thanas Karimpur and Gangani. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 7·18 | 8½ | 8½ | Heavy rain during the week. Weather cloudy. Condition of sugarcane and mulberry favourable at the Lalbagh subdivision. Cultivation of *aman* paddy considerably benefited and *aus* paddy slightly affected in some parts by rain. Fodder and water sufficient. Parts of Kandi subdivision inundated by the heavy rainfall. Condition of agricultural stock good. |
| 10 | JESSORE ... | 9·14 | 9¾ | 9⅜ | Rainfall at Jhenida 2·52, at Magura 2·85, at Narail 3·44 and at Bangaon 8·59 inches. Weather seasonable. Rain general. Paddy and jute seedlings doing well. Standing crops benefited by rain. No more rain wanted for the present. Cattle-disease reported from Jhenida. Fodder and water sufficient. Condition of agricultural stock good. |
| 11 | KHULNA ... | 2·92 | 10 | 10 | Rainfall at Bagerhat 2·65 and at Satkhira 6·31 inches. Weather cloudy and rainy. Prices of staple food-grains stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Sowings of early paddy and winter rice still continuing. Prospects of jute fair. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 7·41 | 8¾<br>13* | 8¾<br>13* | Weather cloudy and rainy. Rainfall general and more than sufficient for present agricultural purposes. *Marua* being transplanted. Food-stocks supplemented by imports. Condition of agricultural stock fair. |
| 13 | GAYA ... | 12·13 | 9⅛ †<br>12 9/16* | 10 †<br>12 9/16* | Weather cloudy and rainy. Rainfall general. Sugarcane promising well. Sowing of *marua* and *makai* and paddy commenced in some places. Prices slightly risen at the Sadar subdivision, stationary elsewhere. Cattle-disease in five villages in the Nawadah and Aurangabad subdivisions. Fodder and water for cattle available. |
| 14 | SHAHABAD ... | 4·66 | 9<br>14* | 9<br>14* | Rainfall at Buxar 5·58, at Sasaram 14·77, at Bhabua 13·23, and at Dehri 11·00 inches. Sugarcane doing well. Prices of food-grains stationary. Food-stocks under the normal. Condition of agricultural stock fair. Fodder and water sufficient. |
| 15 | SARAN ... | 3·70 | 9½<br>12* | 9½<br>12½* | Rainfall at Siwan 3·56, and at Gopalganj 8·47 inches. Weather cloudy. Sugarcane and *cheena* greatly benefited by the recent rain. Ploughing operations commenced. Sowing of *makai* and paddy going on. Prices of staple food-crops stationary. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 7·35 | 8¾ / 14* | 9 / 14½* | Weather cloudy. Rainfall at Bettiah 5·63 inches. Copious rain throughout the district. Agricultural operations retarded. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 17 | MUZAFFARPUR | 9·03 | 9 / 13* | 9 / 13½* | Weather cool and cloudy. Rainfall at Sitamarhi 5·46 and at Hajipur 8·10 inches. Rain general and sufficient throughout the district and immense good done by it to all standing crops. Sowings in progress everywhere. Common rice and *makai* selling at 8 and 12½ seers a rupee respectively at Sitamarhi and Hajipur. Fodder and water ample. Cattle-disease reported in thanas Mahwa, Katra, and Sakra. Work in test-works stopped by rain. One test-work closed and another about to be closed. Number of persons gratuitously relieved and in poor-houses and kitchens on Thursday, the 10th instant, 2,030. |
| 18 | DARBHANGA ... | 14·77 | 8 / 11½* | 8 / 11½* | Heavy rainfall almost throughout the week. Agricultural prospects immensely improved. Food-stocks sufficient. Fodder and water-supply difficulties fully relieved by the rainfall. Number of persons on relief-works on the 10th instant—3,324, the large decrease being due to rainfall on Thursday last. Number of persons gratuitously relieved—23,277, exclusive of the figures for Roserha charge, which have not yet been received. *Makai* selling at 11½ seers a rupee at the Sadar subdivision but dearer in the interior. [illegible] prices continuing. |
| 19 | MONGHYR ... | 7·98 | 8 / 12* | 8¼ | Weather very rainy and cloudy with occasional sunshine. Ploughing and sowing of *bhadoi* crops continuing. Prices of staple food-grains stationary. No cattle-disease reported. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 9·06 | 8¼ / 12⅜* | 8 3/16 / 12⅝* | Weather seasonable. Agricultural operations immensely benefited by the heavy rainfall of the week. Apprehension of famine practically over now. Agricultural operations in full swing. The excellent *mung* crop in the Madhipura subdivision considerably damaged by the heavy rainfall. Prices of staple food-crops stationary. No cattle-disease reported. Fodder and water sufficient. *Marua* and *makai* being harvested in the Supaul subdivision. Number of persons on gratuitous relief—73 men, 173 women and 274 children—total 520—in Madhipura, and 390 men, 1,067 women and 1,719 children—total 3,176—in Supaul. Number of persons on test works—175 men, 93 women and 56 children—total 324—in Madhipura, and 54 men, 103 women and 30 children—total 187—in Supaul. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | 12·32 | 8 | 8 | Weather hot and cloudy. Rainfall at Araria 14·32, at Kishanganj 11·00 and at Forbesganj 14·58 inches. Heavy rain throughout the district with strong east winds. Weeding operations temporarily retarded. Prospects of jute good. Condition of agricultural stock good. Fodder and water now sufficient. Stray cases of cattle-disease reported from Raniganj and Kadwa thanas. 43 persons relieved gratuitously from private funds. Common rice selling at 8 seers per rupee at Araria and Kishanganj. Gratuitous relief to be closed on the 15th. |
| 22 | DARJEELING ... | 19·04 | 8<br>13* | 8<br>14* | Weather seasonable. Rainfall at Siliguri 19·11 inches. Hills—Maize, potatoes, *bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Sowing of jute finished; that of *bhadoi* and winter rice going on. Prospects hopeful. Prices stationary. Agricultural stock in good condition. |
| 23 | SONTHAL PARGANAS. | 8·91 | 9<br>12* | 9⅚<br>11¼* | Rainfall: Deoghur 4·66, at Godda 8·55, at Jamtara 8·47, at Pakour 7·79 and at Rajmahal 6·20 inches. Sowing of maize retarded, but condition of paddy seedlings improved by heavy rain. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Fodder and water sufficient. Cattle-disease reported from the Pakour subdivision. |
| 24 | CUTTACK ... | 1·85 | 10½ | 10 | Sugarcane, *mandia*, jute, *beali* and *saradh* paddy growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 1·63 | | 12 | Rainfall at Bhadrak 3·55 inches. Weather seasonable. Sowings of *saradh* paddy continuing. Sugarcane, jute and *beali* paddy seedlings thriving. Vegetables doing well. Fodder and water and food-stocks sufficient. Common rice selling at 11 seers per rupee at Bhadrak. Prices rising. |
| 26 | ANGUL ... | 3·85 | 15 | 15 | Rainfall at Phulbani 3·74 inches. Weather hot and cloudy. Sowing of *bhadoi* crops and winter rice in full swing. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 0·42 | 9 13/16 | 9 13/16 | Rainfall at Khurda 2·82 inches. Weather cloudy. Sugarcane, *beali* and *saradh* paddy thriving. Cotton being collected. Cattle-disease in Bhubaneswar *chakla*. Common rice selling at 10½ seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | 7·70 | 11½ | 12 | Weather cloudy. Sowings of winter and autumn rice and maize in progress. Condition of standing crops—vegetables and sugarcane good. Rinderpest in both Tahsils. Stocks of food-grains sufficient. No apprehension of scarcity. Fodder and water sufficient. Common rice selling at 13½ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 2·32 | 8½ / 11* | 8½ / 11* | Weather seasonable. Paddy and *bhadoi* crops being sown. Standing crops good. Food-stocks and fodder and water sufficient. |
| 30 | RANCHI ... | 3·98 | 9 | 9 | Weather hot and cloudy. Ploughing continuing. Sowings of *bhadoi* crops and winter paddy in full swing. Cattle-disease reported from three thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | 3·97 | 8⅞ | 8⅞ | Rainfall general. Weather cloudy and sultry. Ploughing continuing everywhere. Fodder and water available. Some cattle-disease. 332 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 2·36 | 10 | 10 | Rainfalll at Pandra 7·46 inches. Weather seasonable. State of standing crops good. Sowings of autumn rice, *arhar* and cotton going on. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 3·47 | 9 | 9 | Weather hot and cloudy. Ploughing and manuring of lands almost completed. Sowing operations in rapid progress. Condition of cattle good. Fodder and water sufficient. Common rice selling at 9 and 11 seers per rupee at Kharsawan and Seraikella, respectively. |
| 34 | COOCH BEHAR | 36·35 | 8 | 8 | Weather hot and rainy. Preparation of lands for *haimantik* paddy going on. Jute plants thriving well. Prospects of standing crops favourable. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | |

| Name of States. | Rainfall in inches. |
|---|---|
| Athgarh ... | ... 1·51 |
| Athmallik ... | ... 2·15 |
| Baramba ... | ... 1·72 |
| Baud ... | ... 2·73 |
| Bamra ... | ... 4·53 |
| Daspalla ... | ... 1·81 |
| Dhenkanal ... | ... 1·80 |
| Gangpur ... | ... ·81 |
| Hindol ... | ... 3·31 |
| Keonjhar ... | ... 3·18 |
| Khandpara ... | ... Good rain for 4 days. |
| Mayurbhanj ... | ... 4 |
| Narsingpur ... | ... 2·32 |
| Nilgiri ... | ... 4·26 |
| Pal-Lahara ... | ... 3·13 |
| Patna ... | ... 5·31 |
| Rairakhol ... | ... 4 |
| Ranpur ... | ... 3·62 |
| Sonpur ... | ... 2·15 |
| Talcher ... | ... 3·31 |

Good rain fallen. Ploughing of lands and sowing of paddy continuing vigorously in all States. Sugarcane growing well in the States of Athgarh, Athmallik, Baramba, Baud, Dhenkanal, Kalahandi, Keonjhar, Patna, and Talcher. Fodder and water sufficient. Price of rice varying from 11 seers in Mayurbhanj and 12 seers in Athmallik, Bonai, Keonjhar, and Narsingpur to 17 seers in Patna and 18 seers in Talcher.

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 5th June 1909.

GENERAL SUMMARY.—The rainfall during the week under report was general all over the Province, the fall being very heavy in Bihar and also in Birbhum, Darjeeling and Cooch Behar. A fall of 19·04 inches was recorded at Darjeeling and of 36·35 inches at Cooch Behar. In North Bihar and in the Bhagalpur Division, as well as in parts of Birbhum, Murshidabad, Jessore, Patna, Shahabad, and Sambalpur the rainfall varied from 7·18 to 15·35 inches. The recent rain has temporarily retarded agricultural work in parts of Bankura, Champaran, Purnea and the Sonthal Parganas, but will be very beneficial for ploughing and sowing. Prospects of standing crops have improved. Jute and sugarcane are doing well. The price of common rice has risen in Bankura, Midnapore, Hooghly, the 24-Parganas, Gaya, Champaran, Monghyr, the Sonthal Parganas, Balasore and Sambalpur, and has fallen in Nadia and Jessore. Rinderpest is prevalent in parts of Nadia and Sambalpur. Ordinary cattle-disease is reported from Midnapore, Jessore, Gaya, Muzaffarpur, Purnea, the Sonthal Parganas, Angul, Puri, Ranchi, Palamau and Manbhum. Supplies of fodder and water are adequate. The water-supply difficulties in North Bihar have been fully relieved by the recent rain. Test-works in Muzaffarpur were not attended owing to heavy rain. 511 persons were on test-works in Bhagalpur. In Darbhanga 3,324 persons attended famine relief-works as against 45,407 persons in the previous week. This very large reduction was due to the heavy rainfall. Gratuitous relief was given to 29,378 persons in Muzaffarpur, Darbhanga, Bhagalpur, Purnea and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 15th June 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 12th June 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 12th June 1909. | | | Week ending Saturday, the 13th June 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 199 | 3[illegible]350 | 410 | 164 | 69,365 | 767 |
| Jute ... ... | 14 | 20,[illegible]00* | 199 | 78 | 34,520† | 482 |
| Firewood ... ... | 13 | 14,1[illegible] | 209 | 56 | 48,950 | 736 |
| Other articles ... ... | 531 | 2,09,09[illegible] | 2,183 | 530 | 1,89,915 | 2,064 |
| Total ... | 757 | 2,73,1[illegible]0 | [illegible],001 | 828 | 3,42,760 | 4,049 |

* Weight by canal measurement, 26,9[illegible] maunds.
† Ditto ditto, 50,0[illegible] ,,

CALCUTTA,
*The 15th June 1909.*

E. R. SIBET,
for *Under-Secy. to the Govt. of Bengal.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of April 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Disposed. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system... ... ... | 1,342 | ... | | ... | ... | 62,670 | ... | ... | ... | ... | ... | 62,670 | 3·67 | 3·67 | ... | ... | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,055 | 420 | 126 | ... | | 85,148 | ... | ... | ... | ... | ... | 85,148 | 5·29 | 5·29 | ... | ... | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 57 | 10 | ... | ... | 24,590 | ... | ... | ... | ... | ... | 24,590 | 9·22 | 9·22 | 0·06 | 0·06 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 728 | 29 | 2 | ... | ... | 5,158 | ... | ... | ... | ... | ... | 5,158 | 9·30 | 9·30 | 0·12 | 0·12 | Average rainfall of Jenapur and Akhoyapada, Jajpur. |
| | | Jajpur Canal ... ... ... ... | 700 | 57 | 51 | 7 | ... | 16,852 | ... | ... | 5 | 6 | 11 | 16,863 | 4·68 | 4·68 | 0·12 | 0·12 | |
| | Balasore | Dudhai Canal ... ... ... | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 85 | 3 | 24 | ... | 34,264 | ... | ... | 150 | 3 | 153 | 34,416 | 12·90 | 12·90 | ... | ... | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 31 | ... | 2,28,652 | ... | ... | 155 | 8 | 163 | 228,845 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 250,957 | ... | ... | 220 | 10 | 230 | 251,187 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 77 | ... | ... | ... | 45,135 | ... | ... | ... | ... | ... | 45,135 | 8·95 | 8·93 | 0·04 | 0·04 | |
| | | Panchkura ... ... ... | 522 | 10 | 1 | ... | ... | 4,897 | ... | ... | ... | ... | ... | 4,897 | 4·83 | 4·83 | 0·00 | 0·00 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5·05 | 5·05 | 0·00 | 0·00 | |
| | | Total Midnapore Canal ... | ... | ... | ... | ... | ... | 50,032 | ... | ... | ... | ... | ... | 50,032 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 47,265 | ... | ... | ... | ... | ... | 47,265 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... ... | 1,000 | 165 | 165 | ... | | 14,186 | ... | ... | ... | ... | ... | 14,186 | 8·12 | 8·12 | ·96 | ·96 | |
| | | Total of the corresponding period of last year | ... | | ... | ... | ... | 19,520 | ... | ... | ... | ... | ... | 19,520 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE ... | Shahabad ... | Western Main ... ... ... | 1,850 | 676 | 65 | 136 | ... | 17,685 | .. | ... | ... | 268 | 268 | 15,953 | 0·51 | 0·51 | 0·00 | 00·0 |
| | | Buxar ... ... ... ... | .. | 184 | 138 | 4,731 | 1,640 | 56,740 | ... | ... | ... | 4,575 | 4,575 | 91,315 | 1·55 | 1·55 | 0·00 | 00·0 |
| | | Arrah ... ... ... ... | 2,650 | 312 | 272 | 8,359 | 2,887 | 133,467 | ... | ... | ... | 10,786 | 10,786 | 144,253 | 1·64 | 1·64 | 0·00 | 00·0 |
| | Patna and Gaya | Eastern Main ... ... ... | 1,850 | 278 | 236 | ... | . | 2,970 | ... | ... | ... | ... | . | 2,970 | | | | |
| | | Patna ... ... ... ... | | | | 4,498 | 3,094 | 85,176 | ... | ... | ... | 3,583 | 3,883 | 89,059 | | | | |
| | | Total Sone Canals ... | .. | ... | .. | 17,684 | 7,621 | 324,038 | ... | ... | ... | 19,512 | 19,512 | 343,550 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 327,135 | ... | . | ... | 11,819 | 11,819 | 338,954 | ... | ... | ... | ... |
| GANDAK ... | Champaran ... | Teur ... ... ... | 174 | ... | ... | ... | 102 | ... | ... | ... | ... | ... | ... | ... | 6·43 | 6·43 | 0·00 | 0·00 |
| | | Total of the corresponding period of last year. | ... | ... | .. | ... | .. | ... | ... | . | ... | 109 | 109 | 109 | ... | .. | ... | ... |
| | | Dhaka ... ... ... ... | 390 | ... | ... | 103 | 121 | . | ... | ... | ... | 216 | 216 | 216 | 5·31 | 5·31 | 0·00 | 0·00 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 335 | 335 | 335 | ... | ... | ... | ... |
| | Saran ... ... | Saran ... ... ... ... | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL ... | ... | ... | ... | 17,8 8 | 7,014 | [illegible],938 | ... | ... | 155 | 19,736 | 19,891 | 636,829 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 644,877 | .a | ... | 220 | 12,273 | 12,493 | 657,370 | ... | ... | ... | ... |

CALCUTTA,
*The 11th June 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of April 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | ..... | ..... | ..... | ..... | 2 | 2 | 2,461 | 2,461 | 53,578 | 53,578 | 895 | 895 |
| Kendrapara ditto ... | 5,009 | 5,009 | 43,132 | 43,132 | 4,000 | 4,000 | 6,128 | 6,128 | 32,495 | 32,495 | 3,082 | 3,082 |
| High Level, Range I | 1,351 | 1,351 | 14,323 | 14,323 | 963 | 963 | 2,420 | 2,420 | 24,744 | 24,744 | 1,384 | 1,384 |
| High Level, Range II | 357 | 357 | 20,188 | 20,188 | 147 | 147 | 489 | 489 | 3,803 | 3,803 | 141 | 141 |
| High Level, Range III | 86 | 86 | 5,058 | 5,058 | 49 | 49 | 24 | 24 | 1,435 | 1,435 | 18 | 18 |
| Jajpur Canal ... | 176 | 176 | 3,551 | 3,551 | 34 | 34 | 282 | 282 | 2,058 | 2,058 | 39 | 39 |
| Total Orissa Canals | 6,979 | 6,979 | 86,252 | 86,252 | 5,195 | 5,195 | 11,804 | 11,804 | 118,113 | 118,113 | 5,559 | 5,559 |
| Midnapore Canal ... | 7,814 | 7,814 | 6,432 | 6,432 | 3,746 | 3,746 | 7,588 | 7,588 | 3,900 | 3,900 | 3,206 | 3,206 |
| Hijili Tidal Canal ... | 10,967 | 10,967 | 1,445 | 1,445 | 7,837 | 7,837 | 5,800 | 5,800 | 755 | 755 | 4,575 | 4,375 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 1,316 | 1,316 | 240,334 | 240,334 | 1,728 | 1,728 | 538 | 538 | 198,069 | 198,069 | 681 | 681 |
| Arrah ditto ... | 115 | 115 | 183,135 | 183,135 | 634 | 634 | 50 | 50 | 146,813 | 146,813 | 332 | 332 |
| Buxar ditto ... | 362 | 362 | 102,093 | 102,093 | 488 | 488 | 29 | 29 | 10,829 | 10,829 | 38 | 38 |
| Total Sone Canals ... | 1,793 | 1,793 | 525,562 | 525,562 | 2,850 | 2,850 | 617 | 617 | 355,711 | 355,711 | 1,051 | 1,051 |
| Grand Total ... | 27,553 | 27,553 | 619,691 | 619,691 | 19,628 | 19,628 | 25,809 | 25,809 | 478,479 | 478,479 | 14,391 | 14,391 |

Calcutta,
*The 12th June 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of April 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 36,273 | 36,273 | 2,800 | 2,800 | 21,934 | 21,934 | 35,842 | 35,842 | 4,082 | 4,082 | 24,067 | 24,067 |
| Tolly's Nala ... ... | 19,095 | 19,095 | 1,245 | 1,245 | 6,103 | 6,103 | 17,974 | 17,974 | 950 | 950 | 5,604 | 5,604 |
| Madaripur Bhil Route ... | 1,243 | 1,243 | 194 | 194 | 689 | 689 | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | 56,611 | 56,611 | 4,239 | 4,239 | 28,726 | 28,726 | 53,816 | 53,816 | 5,032 | 5,032 | 29,671 | 29,671 |
| Orissa Coast Canal ... | 4,962 | 4,962 | 10,345 | 10,345 | 1,645 | 1,645 | 3,030 | 3,030 | 4,380 | 4,380 | 1,044 | 1,044 |
| Nadia Rivers ... | 4,793 | 4,793 | 231 | 231 | 1,787 | 1,787 | 3,431 | 3,431 | 410 | 410 | 1,266 | 1,266 |
| Grand Total ... | 66,366 | 66,366 | 14,815 | 14,815 | 32,158 | 32,158 | 60,277 | 60,277 | 9,822 | 9,822 | 31,981 | 31,981 |

Calcutta,
*The 12th June 1909.*

G. G. Dey,
*Under-Secy to the Govt. of Bengal.*

## TABLE OF RAINFALL RECORDED A

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan. | Burdwan ... | Kalna ... | ... | 0·89 | 0·41 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | 0·81 | 0·30 | 0·7 |
| | | | Burdwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | 0·64 | 0·92 | 1·2 |
| | | | Katwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... | 1·19 | 0·09 | 0·5 |
| | | | Raniganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | 0·35 | ... |
| | | | Mankur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·93 | ... | ... | 1·18 | 2·00 | ... |
| | | Birbhum ... | Suri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | 0·90 | 0·3 |
| | | | Hetampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | ... | 0·72 | 0·2 |
| | | | Rampur Hât | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·46 | ... | ... | ... | 0·19 | ... | 0·2 |
| | | | Bolpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | 0·4 |
| | | | Murari ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | ... | ... | 0·42 | ... | ... |
| | | | Labpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·8 |
| | | Bankura .. | Bankura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | ... | 0·01 | 0·40 | 0·85 | 0·0 |
| | | | Vishnupur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·52 | ... | 0·25 | 2·55 | ... | 0·0 |
| | | | Maliara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | 0·11 | ... | ... |
| | | | Khatra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | ... | 0·05 | 0·0 |
| | | | Indas ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | 0·32 | ... | 0·8 |
| | | | Kotalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·26 | ... | 0·25 | 1·42 | ... | 0·7 |
| | | | Onda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | 0·53 | 0·33 | ... |
| | | | Gangajalghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | 0·2 |
| | | | Raipur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·00 | ... | ... | ... | ... | ... |
| | | | Sonamukhi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·75 | ... | ... | 0·26 | 0·11 | 0·0 |
| | | Midnapore . | Pachet ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·46 | ... | 1·00 | 1·0 |
| | | | Contai .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·03 | 0·04 | ... | 1·65 | ... | 1·3 |
| | | | Tamluk .. | 0·05 | ... | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·24 | ... | ... | 0·50 | ... | 0·6 |
| | | | Midnapore .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | ... | 0·4 |
| | | | Ghatal .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·47 | ... | ... | 0·11 | ... | 1·1 |
| | | | Kukrahaty ... | 0·13 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | 0·45 | ... | 0·0 |
| | | | Amlagura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·0 |
| | | | Panskura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | 0·03 | ... | ... | 0·8 |
| | | | Dantan . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·75 | ... | 0·7 |
| | | | Chandrakona | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·7 |
| | | | Bhagwanpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | ... | ... | 0·13 | ... | 0·8 |
| | | | Gopibalhavpore. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | ... | ... | 0·80 | ... | 0·1 |
| | | | Silda ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | ... | ... | 0·02 | 0·09 | 0·2 |
| | | | Goaltore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·96 | ... | ... | 0·10 | 0·02 | 1·7 |
| | | | Mohanpore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·50 | ... | 1·00 | 1·0 |
| | | | Janka (Khejuri). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | ... | ... | 0·86 | ... | 1·3 |
| | | | Nandigram ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | 0·99 | 0·7 |
| | | | Narajole ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | 0·14 | 0·10 | ... | 0·83 | 0·5 |
| | | Hooghly .. | Serampore ... | 0·22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | 0·21 | ... | 0·7 |
| | | | Hooghly . | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 0·29 | 0·16 | 0·3 |
| | | | *Arambagh* (Jahanabad). | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | ... | ... | 0·68 | ... | 0·10 | 0·35 | 0·01 | 1·3 |
| | | Howrah .. | Howrah ... | 0·25 | 0·01 | 0·04 | 0·1[illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | 0·14 | ... | 0·9 |
| | | | Mohesreka ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | 0·02 | ... | 1·0 |
| | | | Uluberia .. | 0·39 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | 0·11 | ... | 0·6 |
| | | | *Amta* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | ... | ... | 0·01 | ... | 0·6 |
| | | 24-Parganas ... | Saugor Island | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·01 | 1·25 | ... | 1·8 |
| | | | Diamond Harbour. | 0·41 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | 0·10 | ... | 0·0 |
| | | | *Budge-Budge* | 0·82 | 0·38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | 0·06 | ... | 0·7 |
| | | | Canning Town | 0·21 | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | 0·03 | ... | 0·4 |
| | | | Alipore (Obsy.) | 0·25 | ... | ... | 0·85 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... | 0·08 | ... | 0·7 |
| | | | Barrackpore .. | 0·42 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·02 | 1·1 |
| | | | Dum-Dum ... | ... | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... | ... | 0·43 | ... | 1·1 |
| | | | Barasat ... | 1·67 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... | 1·45 |
| | | | Basirhat | 1·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | 0·57 |
| | | | Frasergunj ... | | | | | | | | | | | | | | | | | | | | |
| | Presidency. | Nadia ... | Ranaghat ... | ... | 0·39 | 0·34 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | 1·24 | 0·10 | 1·78 |
| | | | Krishnagar .. | ... | ... | 1·28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·57 | 0·12 | 1·10 |
| | | | Chuadanga ... | ... | ... | 0·82 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·29 | 0·36 | 0·31 | 1·21 |
| | | | Meherpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·04 | ... | 0·11 | 0·12 | 0·31 | 0·85 |
| | | | Kushtia ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | 1·18 | 0·55 | 1·09 |
| | | | Haringhata ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·70 | 0·80 | 0·45 |
| | | Murshidabad | Kandi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | ... | ... | 0·10 | 0·22 | 0·74 |
| | | | Berhampore... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | 0·47 | 0·10 | 0·02 |
| | | | Lalbagh .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·60 | ... | 0·34 |
| | | | Azimganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·30 | 0·52 |
| | | | Jangipur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·92 | ... | ... | ... | ... | ... | 0·07 |
| | | | Lalgola ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | ... | ... | 0·30 | ... |
| | | | Akriganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | ... | ... | ... | 0·63 | ... | 0·02 |
| | | | Patkabari . | | | | | | | | | | | | | | | | | | | | |
| | | | Dumkal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·45 | 0·01 | 0·81 |
| | | | *Kullyanganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·77 | ... | ... | ... | 0·69 | ... | 0·12 |
| | | Jessore .. | Narail ... | 0·23 | 0·28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·68 | 1·22 | ... | 0·25 |
| | | | Jessore ... | ... | 0·68 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | ... | 0·26 |
| | | | Jhenida .. | ... | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | 1·15 | 0·56 | ... | 0·39 |
| | | | Magura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 2·01 | 0·33 | 1·00 |
| | | | Bangaon ... | ... | 1·13 | 1·95 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·50 | 0·10 | 0·85 |
| | | Khulna ... | Satkhira ... | 0·24 | 1·94 | 1·40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·77 | 0·81 | ... | 0·77 |
| | | | Bagerhat ... | 1·15 | 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | 1·06 | ... | 0·32 |
| | | | Khulna ... | 1·00 | 0·30 | 0·48 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·74 | ... | ... | 0·46 |
| | | | *Kaliganj* .. | ... | 2·58 | 1·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 1·00 | ... | 0·77 |
| | | | Nakipur .. | ... | 2·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | 0·34 | ... | 1·05 |
| | | | *Dumuria* ... | 0·57 | 1·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·95 | 1·08 | ... | 0·65 |
| | | | Rampal .. | 0·32 | ... | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·32 | 1·45 | ... | 0·12 |
| | | | *Kalaroa* ... | 0·50 | 2·20 | 0·70 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | 1·34 | ... | 0·40 |
| | | | *Parkgunjha* ... | 0·09 | 0·89 | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·63 | 1·10 | ... | 0·54 |
| | | | *Mollahat* . | 0·93 | 0·26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | 0·99 | 0·75 | ... | 0·20 |
| | | | *Morelganj* ... | 0·22 | 0·21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·85 | ... | 0·22 |
| | | | *Tala* ... | 0·43 | 1·80 | 0·48 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·79 | 1·29 | ... | 0·30 |
| Bihar. | Patna. | Patna ... | Patna .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | ... | ... | ... | ... |
| | | | Dinapore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jihar .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | ... |
| | | | Bikram ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... |
| | | | Hilsa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Islampur* ... | | | | | | | | | | | | | | | | | | | | |
| | | | *Asthawan* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Gaya ... | Aurangabad... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gaya ... | | | | | | | | | | | | | | | | | | | | |
| | | | Nawadah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jahanabad ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arwal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Daudnagar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sherghati ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rajauli ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pakri Barawan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Deo* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nabinagar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN MAY 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st May 1909. | Average rainfall from 16th to 31st May. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·45 | ... | ... | ... | ... | ... | ... | 0·28 | ... | 0·04 | ... | 7 | 7·10 | 3·95 | 5·73 | 0·89 | 2·63 | 3·04 | Kalna .. | Burdwan ... | Burdwan. | North-West Bengal. |
| 0·75 | ... | 0·00 | ... | ... | ... | ... | 0·99 | ... | ... | 1·16 | 7 | 7·32 | 6·60 | 5·66 | 1·23 | 6·59 | 3·27 | Burdwan. | | | |
| 0·65 | ... | ... | ... | ... | ... | ... | 0·57 | ... | ... | ... | 6 | 7·23 | 3·38 | 5·51 | 1·19 | 3·05 | 2·00 | Katwa. | | | |
| 1·05 | ... | 0·90 | 0·12 | ... | ... | ... | 0·42 | ... | ... | ... | 6 | 5·18 | 3·46 | 3·77 | 1·05 | 2·84 | 2·40 | Raniganj. | | | |
| 0·55 | ... | ... | ... | ... | ... | 0·53 | ... | ... | ... | ... | 5 | 5·53 | 5·19 | 4·85 | 2·00 | 4·26 | 3·16 | Mankur. | | | |
| 0·03 | ... | ... | ... | ... | ... | ... | 0·85 | ... | ... | ... | 4 | 5·81 | 3·11 | 3·18 | 0·98 | 2·13 | 3·86 | Suri .. | Birbhum ... | | |
| 0·42 | ... | 0·54 | ... | ... | ... | ... | 0·57 | ... | ... | ... | 6 | 5·88 | 2·82 | 3·63 | 0·72 | 2·47 | 2·40 | Hetampur. | | | |
| ... | ... | ... | 0·14 | 0·18 | ... | ... | ... | ... | ... | ... | 5 | 6·26 | 1·20 | 4·38 | 0·46 | 0·74 | 2·34 | Rampur Hât. | | | |
| 0·55 | ... | 0·04 | ... | ... | ... | 0·62 | 0·25 | ... | ... | ... | 5 | 6·20 | 2·46 | 4·86 | 0·62 | 2·46 | 3·28 | Bolpur. | | | |
| 0·02 | ... | ... | ... | ... | ... | ... | 1·12 | ... | ... | ... | 3 | 6·17 | 1·96 | 4·21 | 1·12 | 1·56 | 2·77 | Murari. | | | |
| 0·13 | ... | ... | ... | ... | ... | ... | 1·25 | ... | ... | ... | 4 | 6·71 | 2·41 | 4·17 | 1·25 | 2·41 | 2·04 | Labpur. | | | |
| 0·35 | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | 5 | 6·19 | 2·12 | 3·58 | 0·85 | 1·93 | 2·33 | Bankura ... | Bankura ... | | |
| 0·67 | ... | ... | ... | 0·02 | ... | ... | 1·40 | ... | ... | ... | 5 | 6·81 | 5·45 | 5·05 | 2·55 | 4·93 | 3·01 | Vishnupur. | | | |
| 0·58 | ... | 0·69 | ... | ... | ... | ... | 0·56 | ... | ... | ... | 5 | 5·81 | 2·66 | 3·63 | 0·69 | 2·04 | 2·18 | Maliara | | | |
| 0·32 | ... | ... | ... | ... | ... | ... | 0·38 | ... | ... | ... | 3 | 5·90 | 0·89 | 4·18 | 0·39 | 0·78 | 2·63 | Khatra. | | | |
| 0·14 | ... | ... | 0·12 | ... | ... | ... | 0·62 | ... | 1·05 | 0·52 | 8 | 6·63 | 4·08 | 5·64 | 1·05 | 3·58 | 3·61 | Indas. | | | |
| 0·41 | ... | ... | ... | ... | ... | ... | 1·41 | ... | ... | ... | 6 | 5·13 | 5·47 | 3·98 | 1·42 | 4·21 | 2·49 | Kotalpur. | | | |
| 0·67 | ... | ... | ... | 0·20 | ... | ... | 1·45 | ... | 1·27 | ... | 7 | 5·06 | 4·70 | 3·51 | 1·45 | 4·45 | 2·19 | Onda. | | | |
| 0·63 | ... | 0·36 | ... | ... | ... | ... | 0·76 | ... | ... | ... | 5 | 4·81 | 2·19 | 3·77 | 0·76 | 1·99 | 2·59 | Gangajalghati | | | |
| 1·90 | ... | ... | 1·10 | ... | ... | 0·70 | ... | ... | ... | 0·25 | 5 | 7·40 | 4·95 | 5·59 | 1·90 | 3·95 | 3·81 | Raipur. | | | |
| 0·61 | ... | 0·12 | ... | ... | ... | ... | 0·35 | ... | ... | ... | 7 | 4·03 | 3·18 | 4·34 | 0·98 | 2·54 | 2·67 | Sonamukhi. | | | |
| 1·27 | ... | ... | ... | ... | ... | ... | ... | 0·68 | 0·11 | ... | 6 | ? | 4·61 | ? | 1·27 | 4·61 | ? | Pachet ... | Midnapore ... | | |
| 0·35 | 0·75 | ... | ... | 0·04 | ... | ... | ... | ... | ... | 0·10 | 6 | 6·19 | 6·21 | 5·07 | 1·95 | 4·28 | 2·92 | Contai. | | | |
| 0·79 | 0·09 | ... | ... | 0·37 | ... | ... | 0·77 | ... | ... | 0·10 | 8 | 6·57 | 5·49 | 5·22 | 1·24 | 3·30 | 2·77 | Tamluk. | | | |
| 0·80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | 3 | 7·05 | 1·49 | 5·21 | 0·80 | 1·49 | 2·56 | Midnapore. | | | |
| 0·62 | 0·45 | ... | ... | ... | ... | ... | 0·92 | ... | 0·40 | ... | 7 | 7·36 | 4·10 | 5·54 | 1·13 | 3·63 | 2·81 | Ghatal. | | | |
| 1·41 | 0·11 | ... | ... | ... | ... | ... | 0·60 | ... | 1·02 | 0·13 | 9 | 6·45 | 4·57 | 5·93 | 1·41 | 4·32 | 3·68 | Kukrahaty. | | | |
| 0·28 | ... | ... | ... | 0·15 | ... | ... | 0·88 | ... | ... | 0·80 | 5 | ? | 2·74 | 4·15 | 0·88 | 2·74 | ? | Amlagura. | | | |
| 0·58 | 0·92 | ... | ... | 0·50 | ... | ... | 0·89 | 0·78 | ... | 0·61 | 6 | 8·63 | 4·57 | 5·82 | 0·89 | 4·52 | 3·65 | Panskura. | | | |
| 0·10 | 0·35 | ... | ... | ... | ... | ... | ... | ... | 1·70 | 0·02 | 5 | 6·64 | 3·62 | 5·45 | 1·70 | 3·62 | 2·73 | Dantan. | | | |
| 0·25 | ... | ... | ... | ... | ... | 0·57 | ... | ... | ... | 0·37 | 4 | ? | 1·08 | ? | 0·19 | 1·98 | ? | Chandrakona. | | | |
| 0·45 | 0·19 | ... | ... | 0·47 | ... | ... | ... | ... | 0·44 | 0·30 | 8 | ? | 2·97 | ? | 0·80 | 2·78 | ? | Bhagwanpur. | | | |
| ... | 1·19 | ... | 0·30 | ... | ... | ... | ... | ... | ... | 0·77 | 6 | ? | 3·63 | ? | 1·19 | 2·25 | ? | Gopibalhavpore. | | | |
| 0·21 | ... | 0·09 | 0·32 | ... | ... | ... | ... | ... | ... | ... | 4 | ? | 1·20 | ? | 0·32 | 1·02 | ? | Silda. | | | |
| 1·16 | ... | ... | ... | 0·01 | ... | ... | 0·04 | ... | ... | 1·05 | 5 | ? | 5·04 | ? | 1·70 | 4·08 | ? | Goaltore. | | | |
| 2·00 | ... | ... | ... | ... | ... | ... | ... | 1·00 | 1·00 | 1·50 | 7 | ? | 10·00 | ? | 2·50 | 10·00 | ? | Mohanpur. | | | |
| 0·37 | 2·01 | ... | ... | 0·07 | ... | ... | ... | ... | 0·64 | ... | 7 | ? | 6·22 | ? | 2·01 | 5·86 | ? | Janka (Khejari). | | | |
| 0·48 | ... | ... | 0·26 | ... | ... | ... | ... | ... | 0·30 | 0·40 | 7 | ? | 3·41 | ? | 0·99 | 3·13 | ? | Nandigram. | | | |
| ... | ... | ... | ... | ... | ... | 0·34 | 0·08 | ... | 0·34 | ... | 6 | ? | 2·47 | ? | 0·83 | 2·40 | ? | Narajole. | | | |
| 0·20 | 0·03 | 0·19 | ... | ... | ... | ... | 2·40 | ... | ... | ... | 6 | 7·47 | 4·06 | 5·34 | 2·40 | 3·82 | 2·91 | Serampore ... | Hooghly ... | | |
| 0·23 | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | 1·06 | 8 | 7·48 | 2·78 | 5·85 | 1·06 | 2·53 | 3·38 | Hooghly. | | | |
| 0·39 | 0·07 | ... | ... | ... | ... | ... | 1·88 | ... | 0·77 | 0·19 | 9 | 7·17 | 6·08 | 5·51 | 1·88 | 5·08 | 2·93 | *Arambagh* (Jahanabad). | | | |
| 0·88 | ... | 0·04 | ... | ... | ... | ... | 1·18 | ... | ... | ... | 6 | [illegible] | 3·70 | 4·9[illegible] | 1·18 | 3·18 | 2·60 | Howrah | Howrah ... | | |
| 0·81 | ... | ... | ... | ... | ... | ... | 1·25 | ... | ... | ... | 4 | 7·[illegible] | 3·06 | 5·68 | 1·25 | 3·10 | 2·98 | Mohesreka. | | | |
| 0·73 | ... | ... | ... | ... | ... | ... | 0·96 | ... | ... | 1·10 | 7 | 7·22 | 4·44 | 5·17 | 1·10 | 3·55 | 3·04 | Uluberia. | | | |
| 0·97 | 0·07 | ... | ... | 0·26 | ... | ... | 0·82 | 0·02 | 0·01 | ... | 5 | ? | 2·50 | ? | 0·87 | 2·68 | ? | *Amta.* | | | |
| 0·29 | 0·69 | ... | ... | ... | ... | ... | ... | ... | 0·09 | ... | 4 | 6·71 | 4·23 | 4·75 | 1·86 | 4·19 | 2·75 | Saugor Island | 24-Parganas ... | | |
| 1·34 | ... | ... | ... | ... | ... | ... | 1·52 | ... | ... | 1·19 | 6 | 7·33 | [illegible] | 5·55 | 1·53 | [illegible] | 2·79 | Diamond Harbour. | | | |
| 0·55 | 0·20 | ... | ... | ... | ... | ... | 1·52 | ... | ... | ... | 7 | ? | 4·69 | ? | 1·52 | 3·05 | ? | *Budge-Budge.* | | Presidency. | |
| 1·42 | 1·02 | ... | ... | ... | ... | ... | ... | 2·00 | 1·88 | ... | 8 | 8·09 | 7·87 | 6·10 | 2·00 | 7·49 | 3·42 | Canning Town. | | | |
| 1·07 | ... | ... | ... | ... | ... | ... | 1·15 | ... | ... | ... | 6 | 7·40 | 1·52 | 5·00 | 1·15 | 3·69 | [illegible] | Alipore (Obsy.). | | | |
| 0·12 | ... | 0·25 | ... | ... | ... | ... | 2·72 | ... | ... | ... | 5 | 7·34 | 4·68 | 5·21 | 2·72 | 4·26 | 2·72 | Barrackpore | | | |
| 4·85 | ... | 0·43 | ... | ... | ... | ... | 1·38 | ... | ... | ... | 7 | 7·87 | 4·77 | 5·58 | [illegible] | [illegible] | 3·06 | Dum-Dum. | | | |
| 0·31 | 0·25 | ... | ... | ... | ... | ... | 1·65 | ... | ... | ... | 6 | 7·87 | 5·68 | 5·48 | [illegible] | [illegible] | 2·89 | Barasat. | | | |
| 0·08 | 1·30 | ... | ... | ... | ... | ... | 1·55 | ... | ... | ... | 8 | 7·00 | 6·27 | 5·75 | [illegible] | 4·75 | 3·38 | Basirhat. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Fraserganj. | | | |
| 0·03 | ... | ... | ... | ... | ... | ... | 2·65 | ... | 0·56 | 1·40 | 9 | 7·2[illegible] | 8·60 | 5·56 | 2·65 | 7·87 | 3·4[illegible] | Ranaghat ... | Nadia ... | | |
| 0·25 | ... | ... | ... | ... | ... | ... | 1·69 | ... | ... | ... | 6 | 7·74 | 6·91 | 6·56 | 2·27 | 5·68 | 3·17 | Krishnagar. | | | |
| ... | ... | ... | 0·05 | ... | ... | ... | 0·46 | ... | ... | ... | 6 | 8·40 | 4·03 | 7·58 | 1·24 | 3·21 | 4·11 | Chuadanga. | | | |
| 0·13 | ... | ... | 0·03 | ... | ... | ... | 0·61 | ... | 0·06 | ... | 6 | 8·3[illegible] | 3·07 | 6·18 | 0·72 | 3·02 | 3·43 | Meherpur | | | |
| 0·04 | 1·27 | ... | ... | ... | ... | ... | 0·11 | ... | ... | 0·24 | 6 | 9·23 | 4·49 | 7·51 | 1·27 | 4·48 | 4·37 | Kushtia | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·99 | 5 | ? | 2·95 | ? | 0·99 | 2·95 | ? | Haringhata. | | | |
| ... | ... | 0·74 | 0·02 | ... | ... | ... | 1·10 | ... | ... | ... | 6 | 7·08 | 3·32 | 4·38 | 1·10 | 2·02 | [illegible] | [illegible]di .. | Murshidabad | | |
| ... | ... | ... | ... | ... | ... | ... | 2·51 | ... | ... | ... | 8 | 7·74 | 3·17 | 4·88 | 2·51 | 3·19 | 3·22 | Berhampore. | | | |
| ... | 0·18 | ... | 0·25 | ... | ... | ... | 1·69 | ... | ... | 0·63 | 5 | 6·91 | 4·09 | 5·09 | 1·69 | 4·09 | 3·24 | Lalbagh. | | | |
| ... | 0·13 | ... | 0·54 | ... | ... | ... | 0·80 | 0·03 | ... | 0·65 | 5 | 7·41 | 3·37 | 5·04 | 1·30 | [illegible] | 3·25 | Azimganj. | | | |
| 0·34 | ... | ... | 0·08 | 0·06 | ... | ... | 1·43 | ... | ... | ... | 4 | 6·81 | 3·81 | 4·73 | 1·43 | 2·28 | 2·94 | Jangipur. | | | |
| 0·53 | ... | ... | 0·54 | ... | ... | 0·83 | ... | ... | ... | ... | 4 | 7·27 | [illegible] | 5·24 | 0·83 | [illegible] | 3·29 | Lalgola. | | | |
| ... | 1·09 | ... | ... | ... | ... | ... | 0·23 | ... | ... | ... | 4 | 7·81 | [illegible] | 5·95 | 1·09 | [illegible] | 1·07 | Akriganj. | | | |
| | | | | | | | | | | | | 7·42 | | 5·12 | | | 3·39 | Patkabari. | | | |
| ... | 0·94 | ... | 0·73 | 0·13 | ... | ... | 0·45 | ... | ... | ... | 6 | 7·4[illegible] | 4·52 | 5·46 | 1·45 | 4·52 | 3·15 | Dumkal. | | | |
| ... | ... | ... | 1·73 | ... | ... | ... | 0·65 | ... | ... | ... | 5 | ? | 3·86 | ? | 1·73 | 3·09 | ? | *Kallyanganj.* | | | |
| 0·76 | 0·24 | ... | 0·33 | 0·66 | ... | ... | ... | ... | 1·78 | 2·17 | 11 | 9·8[illegible] | 9·57 | 6·82 | 1·78 | 9·06 | 3·47 | Narail .. | Jessore ... | | |
| 0·16 | ... | ... | 0·57 | 0·10 | ... | ... | 0·12 | ... | ... | ... | 7 | 9·74 | 3·19 | 7·85 | 0·90 | 2·51 | 3·57 | Jessore. | | | |
| 0·75 | 0·15 | ... | 0·30 | 0·41 | ... | ... | 0·35 | ... | ... | 0·03 | 10 | 9·13 | 4·23 | 6·96 | 0·75 | 3·09 | 3·66 | Jhenida | | | |
| 1·08 | 0·98 | ... | ... | ... | ... | ... | 0·81 | ... | 0·13 | 0·91 | 8 | 10·10 | 7·30 | 8·11 | 1·05 | 7·30 | 4·30 | Magura. | | | |
| 0·15 | ... | ... | 0·96 | 0·12 | ... | ... | 0·19 | ... | 0·60 | 0·56 | [illegible] | 7·29 | 8·10 | 6·16 | 1·05 | 5·02 | 3·43 | Bangaon. | | | |
| 0·33 | 0·32 | ... | ... | 0·78 | 0·26 | ... | 0·19 | 0·03 | 0·49 | ... | 11 | 8·23 | 8·33 | 6·29 | 1·94 | 4·75 | 3·35 | Satkhira .. | Khulna .. | | |
| 1·06 | ... | ... | 0·83 | ... | 0·65 | ... | ... | ... | 0·41 | ... | 9 | 8·07 | 5·95 | 7·06 | 1·15 | 4·66 | 3·78 | Bagerhat. | | | |
| 3·13 | ... | ... | 0·31 | 0·23 | 0·10 | ... | ... | 0·30 | 0·46 | ... | 11 | 9·03 | 7·80 | 6·61 | 3·13 | 6·08 | 3·12 | Khulna. | | | |
| 0·53 | 1·20 | ... | 0·27 | ... | ... | ... | 0·15 | 0·17 | 0·02 | 0·07 | 10 | ? | 8·08 | ? | 1·20 | 4·48 | ? | *Kaliganj.* | | | |
| 0·39 | 1·05 | ... | ... | ... | ... | ... | 0·29 | 0·05 | 0·95 | ... | 8 | 6·30 | 6·92 | 5·64 | 2·30 | 4·62 | 3·51 | Nakipur. | | | |
| 1·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | 7 | ? | 5·88 | ? | 1·08 | 4·26 | ? | *Dumuria.* | | | |
| 1·41 | ... | ... | ... | ... | ... | ... | ... | 0·53 | 0·33 | ... | 7 | 8·64 | 5·52 | 6·75 | 1·45 | 5·16 | 3·80 | Rajapal. | | | |
| 0·04 | ... | ... | 0·39 | ... | ... | ... | 0·29 | ... | 0·83 | ... | 9 | ? | 6·86 | ? | 2·20 | 3·46 | ? | *Kaiaroa.* | | | |
| 0·03 | 0·59 | ... | 0·75 | ... | ... | ... | 0·13 | 0·62 | 0·36 | ... | 10 | ? | 5·99 | ? | 1·19 | 4·84 | ? | *Paikgachha.* | | | |
| 0·40 | 0·10 | ... | ... | 0·02 | ... | ... | ... | ... | 0·34 | 0·37 | 10 | ? | 4·62 | ? | 0·90 | 3·23 | ? | *Mollahat.* | | | |
| 1·00 | 0·49 | ... | 0·01 | ... | 0·49 | ... | ... | 1·75 | 0·42 | ... | 10 | ? | 6·56 | ? | 1·75 | 6·13 | ? | *Morelganj.* | | | |
| 0·14 | ... | ... | ... | ... | ... | ... | 0·05 | 0·52 | 0·80 | ... | 9 | ? | 6·60 | ? | 1·80 | 3·89 | ? | *Tala.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | 2·97 | 0·14 | 1·70 | 0·14 | 0·14 | 1·21 | Patna .. | Patna .. | Patna. | Bihar. |
| ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | ... | ... | 1 | 2·32 | 0·10 | 1·56 | 0·40 | 0·40 | 1·05 | Dinapore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·71 | Nil | 1·89 | Nil | Nil | 1·13 | Bihar. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·21 | ... | ... | ... | 2 | 2·32 | 0·34 | 1·93 | 0·21 | 0·34 | 1·13 | Barh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·71 | 0·10 | 1·70 | 0·10 | 0·10 | 1·32 | Bikram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·43 | Nil | 1·72 | Nil | Nil | 1·16 | Hilsa. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Islampur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Asthawan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·77 | Nil | 1·19 | Nil | Nil | 0·90 | Aurangabad .. | Gaya ... | | |
| | | | | | | | | | | | | 1·04 | | 1·08 | | | 0·87 | Gaya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·30 | Nil | 1·59 | Nil | Nil | 1·09 | Nawadah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·96 | Nil | 1·32 | Nil | Nil | 0·88 | Jahanabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·27 | Nil | 1·42 | Nil | Nil | 0·98 | Arwal. | | | |
| ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·85 | Nil | Nil | 0·62 | Daudnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·21 | 0·07 | 0·74 | 0·07 | 0·07 | 0·59 | Sherghati. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | 1 | 1·53 | 0·60 | 1·26 | 0·60 | 0·60 | 1·06 | Rajauli. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | Nil | 2·00 | 0·08 | 1·18 | 0·08 | 0·08 | 0·63 | Pakri Barawan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Deo.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Nabinagar.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar—concluded. | Patna—concluded. | Shahabad ... | Buxar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dehri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhabhua ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sasaram ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arrah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... |
| | | | Mohanea ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ageaon ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... |
| | | | Ramagar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... |
| | | | Koath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sikroul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | ... |
| | | | Bassowan .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... |
| | | | *Akberpur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Tirhut. | Saran ... | Gopalganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... |
| | | | Siwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ekma ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... |
| | | | Chapra ... | | | | | | | | | | | | | | | | | | | ... | ... |
| | | | *Hathwa* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... |
| | | | Amnor ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Basantpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Darauli* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhoreh* ... | | | | | | | | | | | | | | | | | | | | ... |
| | | | *Sripur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Champaran ... | Motihari ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... |
| | | | Bettiah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bagaha ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | 0·22 |
| | | | Burhurwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 |
| | | | *Ramnagar* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | 0·06 | 0·70 |
| | | | *Narkotiaganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·78 | ... | ... |
| | | | *Kisansah* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dhanaha* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 |
| | | Muzaffarpur.. | Sitamarhi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·82 | 0·10 | ... | ... | ... | ... |
| | | | Muzaffarpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | 0·13 | ... |
| | | | Hajipur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Paru ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mahua ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·62 | ... | ... | 0·20 | ... |
| | | | Shinhar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pupri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | 0·03 | ... | ... | ... | ... |
| | | Darbhanga ... | Tajpur (Samastipur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·56 | ... | ... | ... | ... |
| | | | Darbhanga ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... |
| | | | Madhubani ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·74 | 0·04 | ... | ... | ... | ... |
| | | | Bahera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·64 | ... | ... | ... | ... |
| | | | Roserha .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·79 | ... | ... | ... | ... |
| | | | *Khutonia* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·39 | 0·25 | ... | ... | 1·20 | ... | ... |
| | | | *Ladania* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·67 | ... | ... | ... | 0·20 | 0·35 |
| | | | *Laukahi* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | ... | ... | ... | ... | 0·10 |
| | | | *Khajouli* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·63 | ... | ... | ... | ... | ... | 0·74 |
| | | | *Bimpatti* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... | 0·02 | ... | ... | ... | ... |
| | | | *Madhupur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 0·44 | ... | ... | ... | ... |
| | Bhagalpur. | Monghyr .. | Begusarai ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | 0·06 | ... |
| | | | Monghyr ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamui ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 |
| | | | Gogri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | ... | ... | ... | ... |
| | | | Jamalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | 0·06 | ... |
| | | | Shaikhpura ... | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chakai Bamda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 |
| | | | Chupreon ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·16 | ... | ... | ... | ... |
| | | | Gidhour ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Bhagalpur ... | Madhipura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·48 | ... | ... | ... | 0·31 |
| | | | Bangaon (Syla-bad). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·55 | ... | ... | 0·20 | ... |
| | | | Supaul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·02 | 0·54 | ... | ... | ... | ... |
| | | | Pratapganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·15 | ... | 0·25 | 0·23 | ... | ... | ... | ... |
| | | | Bhagalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banka ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Colgong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bansi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·98 |
| | | Darjeeling ... | Siliguri ... | ... | ... | 0·11 | 0·20 | 0·07 | ... | ... | ... | ... | ... | ... | ... | 0·27 | 0·24 | 0·04 | ... | ... | 0·68 | 0·14 | 0·37 |
| | | | Darjeeling ... | 0·51 | 0·08 | 0·67 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | 3·50 | 0·09 | 0·33 | 0·03 | 0·10 | 0·25 | 0·79 |
| | | | Kalimpong .. | 0·81 | 0·39 | 0·04 | ... | ... | ... | ... | ... | ... | ... | 1·65 | ... | 0·[illegible] | 1·75 | 0·07 | 0·05 | ... | 0·06 | 0·02 | 0·31 |
| | | | Mongpoo ... | 0·62 | 0·88 | 0·68 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 1·49 | 0·12 | 0·27 | 0·02 | 1·76 | 0·31 | 0·48 |
| | | | Kurseong ... | 1·32 | 1·30 | 0·45 | 0·14 | 0·05 | ... | ... | ... | ... | ... | ... | ... | 0·02 | 1·08 | 0·35 | ... | 0·09 | 0·34 | 0·59 | 0·25 |
| | | | Pedong ... | 0·17 | 0·47 | 0·35 | 0·01 | ... | ... | 0·09 | ... | ... | ... | 0·03 | 0·05 | 3·00 | 2·43 | 0·16 | 0·56 | 0·01 | 0·85 | 0·06 | 0·03 |
| | | Purnea ... | Kishanganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·13 | 1·21 | ... | ... | ... | ... |
| | | | Araria ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·05 | ... | 0·20 | ... | ... | ... | 0·05 |
| | | | Purnea ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 1·14 | ... | ... | ... | ... |
| | | | Gondwara (*Korah*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·90 | ... | ... | ... | ... | 0·20 |
| | | | Barsoe ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... |
| | | | Forbesganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·65 | 0·14 | 0·16 | ... | ... | ... | 0·20 |
| | | | Kaliaganj ... | | | | | | | | | | | | | | | | | | | | |
| | | Sonthal Parganas. | Rajmahal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·20 | 0·08 |
| | | | Godda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | 0·16 |
| | | | Pakaur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | 0·04 | ... | ... |
| | | | Naya Dumka | ... | | | | | | | | | | | | | | | | | | | |
| | | | Deoghur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | 0·55 | 0·57 |
| | | | Jamtara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... | ... | ... | 0·88 | 0·03 |
| | | | *Mohagama* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | 0·70 |
| | | | Nanihat ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | ... |
| | | | Asansoni . | | | | | | | | | | | | | | | | | | | | |
| | | | Katikund ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·76 | ... | ... | ... | ... | ... | ... |
| | | | Madhupur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·65 | 0·10 | 0·45 |
| | | | Sarwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·29 |
| | | | Sarath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·42 |
| | | | Poorya .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·83 | ... | ... | 0·20 |
| | | | Bhagya ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohespur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·29 | ... | ... | ... |
| | | | *Hiranpur* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 |
| | | | Bajnarwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·84 |
| | | | Sahibganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | 0·09 | ... |
| | | | *Barso* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | 0·10 |
| | | | Amrapura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN MAY 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st May 1909. | Average rainfall from 16th to 31st May. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | 0·49 | ... | ... | ... | 1 | 1·97 | 0·49 | 0·80 | 0·49 | 0·49 | 0·50 | Buxar ... | Shahabad ... | Patna—*concld.* | BIHAR—*concluded.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·47 | Nil | 0·82 | Nil | Nil | 0·59 | Dehri | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·55 | Nil | 0·85 | Nil | Nil | 0·44 | Bhabhua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·87 | Nil | 0·96 | Nil | Nil | 0·55 | Sasaram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | Nil | 2·45 | 0·05 | 1·47 | 0·03 | 0·05 | 1·05 | Arrah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·57 | Nil | Nil | 0·09 | Mohanea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·78 | 0·15 | 0·80 | 0·15 | 0·15 | 0·38 | Ageaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·22 | 0·20 | 0·74 | 0·20 | 0·20 | 0·22 | Ramagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·78 | Nil | 0·37 | Nil | Nil | 0·23 | Koath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·00 | 0·30 | 0·90 | 0·30 | 0·30 | 0·30 | Sikroul. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·32 | Nil | Nil | 0·07 | Bassowan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | 0·03 | 0·67 | 0·03 | 0·03 | 0·40 | Monaharpur. | | | |
| ... | ... | 0·18 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·18 | ? | 0·18 | 0·18 | ? | *Akberpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | 1 | 3·48 | 0·19 | 2·42 | 0·15 | 0·19 | 1·23 | Gopalganj ... | Saran ... | Tirhut. | |
| ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | 0·08 | ... | Nil | 2·71 | 0·13 | 1·62 | 0·08 | 0·13 | 0·18 | Siwan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·29 | 0·08 | 0·76 | 0·08 | 0·08 | 0·32 | Ekma. | | | |
| | | | | | | | | | | | | 2·13 | | 1·35 | | | 0·85 | Chapra. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | 0·13 | 2 | ? | 0·30 | ? | 0·15 | 0·30 | ? | *Hathwa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | 1 | 2·46 | 0·80 | 1·44 | 0·80 | 0·80 | 0·75 | Amnor. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | 1 | 2·13 | 0·80 | 1·73 | 0·80 | 0·80 | 0·65 | Basantpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Darauli.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Bhoreh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Sripur.* | | | |
| | | | | | | | | | | | | 2·45 | | 2·65 | | | 1·87 | Motihari .. | Champaran ... | | |
| 0·20 | ... | 0·04 | ... | ... | ... | 1·65 | ... | ... | ... | ... | 3 | 3·69 | 2·01 | 2·73 | 1·65 | 2·01 | 1·31 | Bettiah. | | | |
| 0·60 | ... | ... | ... | ... | ... | 0·23 | ... | ... | 0·50 | 0·70 | 5 | 4·47 | 2·25 | 3·01 | 0·70 | 2·25 | 1·90 | Bagaha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·81 | 2 | 3·80 | 1·03 | 2·06 | 0·81 | 1·03 | 1·18 | Burhurwa. | | | |
| | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·88 | ? | 0·70 | 0·76 | ? | *Ramnagar.* | | | |
| 0·68 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·46 | ? | 0·78 | 1·46 | ? | *Narkotiaganj* | | | |
| 0·50 | ... | ... | ... | ... | ... | ... | 0·21 | ... | ... | ... | 2 | ? | 0·71 | ? | 0·50 | 0·71 | ? | *Kissoriah.* | | | |
| 0·40 | ... | ... | | ... | ... | ... | 0·30 | ... | ... | ... | 3 | ? | 0·90 | ? | 0·40 | 0·90 | ? | *Dhanaha.* | | | |
| 0·75 | ... | ... | ... | ... | ... | ... | 0·45 | ... | [illegible] | ... | 4 | 4·73 | 2·12 | 2·65 | 0·82 | 1·30 | 1·53 | Sitamarhi .. | Muzaffarpur | | |
| 0·21 | ... | ... | ... | ... | ... | ... | 0·18 | ... | [illegible] | ... | 4 | 3·65 | 0·64 | 2·41 | 0·21 | 0·64 | 1·20 | Muzaffarpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ... | Nil | 2·63 | Nil | 1·76 | Nil | Nil | 1·01 | Hajipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | 1·16 | ... | ... | ... | 1 | 2·67 | 1·16 | 2·08 | 1·16 | 1·16 | 1·43 | Paru. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3·67 | 1·82 | 2·16 | 1·62 | 1·82 | 1·42 | Mahua. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·87 | ... | ... | ... | 1 | 3·20 | 0·87 | 2·13 | 0·87 | 0·87 | 1·42 | Shiuhar. | | | |
| 0·40 | ... | ... | ... | ... | ... | ... | 1·14 | ... | ... | ... | 3 | 4·38 | 2·20 | 2·85 | 1·14 | 0·87 | 2·10 | Pupri. | | | |
| 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·00 | 0·62 | 2·26 | 0·56 | 0·62 | 1·10 | Tajpur (Samastipur). | Darbhanga ... | | |
| 1·05 | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | 2 | 3·93 | 1·36 | 2·89 | 1·05 | 1·36 | 1·35 | Darbhanga. | | | |
| 0·25 | ... | ... | 0·01 | ... | ... | ... | 2·47 | ... | ... | ... | 3 | 4·50 | 3·51 | 2·91 | 2·47 | 2·77 | 1·70 | Madhubani. | | | |
| 0·42 | ... | ... | ... | ... | ... | ... | 0·23 | ... | ... | ... | 3 | 3·87 | 1·29 | 2·69 | 0·64 | 1·29 | 1·72 | Bahera. | | | |
| 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·00 | 1·85 | 2·37 | 1·79 | 1·85 | 1·25 | Koserha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 1·84 | ? | 1·20 | 1·20 | ? | *Khutonia.* | | | |
| 0·35 | ... | ... | ... | ... | ... | 0·53 | 0·26 | ... | ... | ... | 6 | ? | 2·45 | ? | 0·67 | 1·78 | ? | *Ladania.* | | | |
| 0·81 | ... | ... | ... | ... | ... | ... | 0·36 | ... | ... | ... | 4 | ? | 1·27 | ? | 0·81 | 1·27 | ? | *Laukahi.* | | | |
| ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | ... | 2 | ? | 1·86 | ? | 0·74 | 0·83 | ? | *Khajouli.* | | | |
| 0·14 | ... | ... | ... | ... | ... | ... | 1·85 | ... | ... | ... | 3 | ? | 2·46 | ? | 1·85 | 2·01 | ? | *Banipatti.* | | | |
| 0·47 | ... | ... | ... | 0·14 | ... | ... | 0·71 | | ... | ... | 5 | ? | 2·94 | ? | 0·71 | 1·76 | ? | *Madhupur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·70 | ... | ... | ... | 2 | 2·84 | 1·24 | 2·14 | 0·70 | 1·24 | 1·13 | Begusarai .. | Monghyr ... | | |
| ... | ... | ... | ... | 0·05 | ... | ... | 0·06 | ... | ... | ... | Nil | 2·90 | 0·11 | 2·18 | 0·06 | 0·11 | 1·56 | Monghyr. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·92 | ... | ... | ... | 1 | 3·32 | 0·94 | 1·88 | [illegible] | 0·94 | 1·16 | Jamui. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·80 | 0·55 | [illegible] | [illegible] | 0·55 | 2·38 | Gogri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·17 | 0·31 | [illegible] | [illegible] | 0·31 | 0·75 | Jamalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·29 | ... | ... | ... | 2 | 1·53 | 0·84 | [illegible] | [illegible] | 0·29 | 1·19 | Shaikhpura. | | | |
| ... | ... | 0·16 | ... | ... | ... | ... | 0·07 | ... | ... | ... | 1 | 4·13 | 0·26 | [illegible] | 0·16 | 0·26 | 0·98 | Chakai Bamda. | | | |
| 0·03 | ... | ... | ... | 0·24 | ... | ... | ... | ... | ... | ... | 2 | 3·43 | 1·42 | 2·31 | 1·16 | 1·42 | 1·33 | Chupreon. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·65 | ... | ... | ... | 1 | 2·50 | 0·65 | 1·85 | 0·65 | 0·65 | 1·08 | Gidhour. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·39 | ... | ... | ... | 1 | 2·50 | 0·39 | 1·49 | 0·39 | 0·39 | 0·69 | Kharagpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | 3 | 4·37 | 2·29 | 3·81 | 1·48 | 2·29 | 2·43 | Madhipura ... | Bhagalpur ... | Bhagalpur. | |
| ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·55 | 1·95 | 2·51 | 1·55 | 1·95 | 1·68 | Bangaon (Sylabad). | | | |
| 0·17 | ... | ... | ... | ... | ... | ... | 0·57 | ... | ... | ... | 4 | 4·69 | 1·42 | 3·45 | 0·57 | 1·28 | [illegible] | Supaul | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·26 | ... | ... | ... | 4 | 5·67 | 1·89 | 4·58 | 1·15 | 0·89 | 3·19 | Pratapganj. | | | |
| 0·05 | ... | 0·07 | ... | ... | ... | ... | ... | ... | 2·72 | ... | 1 | 4·16 | 2·84 | 2·79 | [illegible] | 2·84 | 1·71 | Bhagalpur. | | | |
| ... | ... | ... | ... | ... | ... | 1·00 | ... | ... | ... | ... | 1 | 3·58 | 1·00 | 2·63 | [illegible] | 1·00 | 1·61 | Banka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·50 | 1 | 1 | [illegible] | 1·50 | 3·74 | 1·50 | 1·50 | 2·57 | Colgong. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·69 | ... | ... | ... | 2 | [illegible] | 1·67 | 1·71 | [illegible] | 1·67 | 1·21 | Bansi. | | | |
| 0·42 | ... | ... | ... | 0·05 | 1·24 | ... | 0·93 | ... | ... | ... | 10 | 12·12 | 4·76 | 16·22 | 1·24 | 3·85 | 6·45 | Siliguri .. | Darjeeling ... | | |
| 0·18 | 0·03 | ... | 0·43 | 0·09 | 0·15 | 1·58 | 0·13 | 0·52 | ... | ... | 14 | 13·43 | 0·85 | 7·85 | 3·50 | 4·61 | 4·75 | Darjeeling. | | | |
| 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 11·33 | 5·67 | 5·92 | 1·75 | 0·50 | 3·45 | Kalimpong. | | | |
| 0·95 | 1·13 | ... | ... | 0·60 | 0·18 | 0·03 | 0·32 | ... | ... | ... | 6 | 14·03 | 10·06 | 9·91 | 1·76 | 6·65 | 6·58 | Mongpoo | | | |
| 1·05 | 0·19 | ... | ... | 0·10 | 0·11 | ... | 0·09 | 0·04 | 0·03 | ... | 8 | 14·58 | 8·02 | 12·60 | 1·82 | 2·81 | 8·24 | Kurseong. | | | |
| 0·21 | 0·07 | 0·33 | 0·53 | 0·70 | ... | 0·54 | 0·19 | 0·75 | 0·52 | 0·03 | 15 | 14·88 | 11·66 | 9·20 | 3·00 | 4·90 | 1·82 | Pedong. | | | |
| ... | ... | ... | ... | ... | ... | ... | 1·32 | ... | ... | ... | 4 | 7·66 | 2·86 | 6·06 | 1·32 | 2·53 | 3·90 | Kishanganj .. | Purnea ... | | |
| 0·10 | 0·03 | ... | ... | ... | ... | ... | 1·00 | ... | ... | ... | 4 | 6·62 | 2·43 | 5·97 | 1·05 | 1·38 | 3·67 | Araria | | | |
| 0·85 | ... | ... | ... | ... | ... | ... | 0·91 | ... | 0·09 | ... | 3 | 5·34 | 3·06 | 4·52 | 1·14 | 2·99 | 2·36 | Purnea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 1·10 | ... | ... | 4 | 5·87 | 2·32 | 4·98 | 0·90 | 1·30 | 3·46 | Gondwara (*Korah*). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 6·56 | 0·20 | 4·46 | 0·20 | Nil | 2·30 | Barsoe. | | | |
| 0·87 | ... | ... | ... | ... | ... | ... | 0·84 | ... | ... | ... | 6 | 6·56 | 3·86 | 5·53 | 1·65 | 2·07 | 3·50 | Forbesganj. | | | |
| | | 0·15 | ... | ... | ... | 0·50 | ... | ... | | | | 7·53 | | 6·56 | | | 4·54 | Kaliaganj. | | | |
| 0·10 | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | 2 | 5·07 | 1·56 | 4·25 | 1·20 | 1·56 | 2·47 | Rajmahal .. | Sonthal Parganas. | | |
| ... | ... | ... | ... | ... | ... | ... | 0·26 | ... | ... | ... | 3 | 4·70 | 0·75 | 3·39 | 0·35 | 0·75 | 2·26 | Godda. | | | |
| 0·40 | ... | ... | ... | 0·12 | ... | ... | 2·07 | ... | ... | ... | 3 | 6·48 | 2·69 | 4·60 | 2·69 | 2·63 | 3·08 | Pakaur. | | | |
| | | | | | | | | | | | | 5·21 | | 3·59 | | | 2·16 | Naya Dumka. | | | |
| 0·04 | ... | ... | ... | ... | ... | ... | 0·46 | ... | ... | ... | 3 | 4·42 | 1·70 | 2·88 | 0·57 | 1·70 | 1·65 | Deoghur. | | | |
| 0·34 | ... | 0·41 | ... | ... | ... | ... | 0·14 | ... | ... | ... | 5 | 5·27 | 2·04 | 3·31 | 0·88 | 1·80 | 2·00 | Jamtara | | | |
| ... | ... | 0·08 | 0·10 | ... | ... | ... | 1·30 | ... | ... | ... | 4 | ? | 2·35 | ? | 1·30 | 2·35 | ? | *Mohagama.* | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | ... | 2 | 2·80 | 0·88 | 2·01 | 0·62 | 0·88 | 1·56 | Nanihat. | | | |
| | | ... | ... | ... | ... | ... | 0·55 | ... | ... | ... | | 3·67 | | 1·93 | | | 1·19 | Assenboni. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | ... | 2 | 4·43 | 1·38 | 2·01 | 0·76 | 0·62 | 0·88 | Katikund. | | | |
| ... | 0·45 | 0·35 | ... | ... | ... | 0·45 | 0·35 | ... | ... | ... | 7 | 4·14 | 2·80 | 2·40 | 0·65 | 2·80 | 1·43 | Madhupur. | | | |
| 0·50 | ... | ... | ... | ... | ... | ... | 0·18 | ... | ... | ... | 3 | 2·14 | 0·97 | 1·35 | 0·50 | 0·97 | 0·59 | Sarwan. | | | |
| ... | ... | ... | 1·00 | ... | ... | ... | 0·36 | ... | ... | ... | 3 | 4·42 | 1·78 | 2·54 | 1·00 | 1·78 | 0·68 | Sarath. | | | |
| ... | ... | 0·60 | ... | ... | ... | 0·50 | ... | ... | ... | ... | 5 | 2·80 | 2·33 | 1·52 | 0·83 | 2·33 | 1·02 | Pooriya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·57 | Nil | 2·33 | Nil | Nil | 1·04 | Bhagya. | | | |
| ... | ... | ... | 0·53 | ... | ... | ... | 1·64 | ... | ... | 0·60 | 4 | 4·14 | 3·06 | 2·59 | 1·64 | 3·06 | 1·47 | Mohespur. | | | |
| ... | ... | ... | ... | ... | ... | 0·00 | ... | ... | ... | ... | 2 | ? | [illegible] | ? | 0·90 | 1·44 | ? | *Haranpur.* | | | |
| 0·32 | ... | ... | ... | ... | ... | 0·31 | 1·74 | ... | ... | ... | 4 | 5·50 | 3·25 | 3·02 | 1·74 | 3·25 | 1·78 | Barharwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·57 | 0·16 | 3·03 | 0·09 | 0·16 | 1·25 | Sahibganj. | | | |
| 0·42 | ... | ... | ... | 0·32 | ... | ... | 1·10 | ... | ... | ... | 5 | ? | 2·27 | ? | 1·10 | 2·27 | ? | *Bario.* | | | |
| ... | ... | ... | ... | 1·00 | 5·00 | ... | ... | ... | ... | ... | 2 | ? | 6·00 | ? | 5·00 | 6·00 | ? | Amrapura. | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Orissa. | Sambalpur ... | Sambalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bargarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Padampur (Barasamber).* | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | ... | ... | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Uria Feudatory States. | Bhawanipatna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bolangir ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonepur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Deoghur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bonaigurh .. | ... | ... | ... | ... | ... | ... | 0·18 | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Cuttack .. | Jagatsingpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·44 | ... | ... | ... |
| | | | Banki .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... |
| | | | Cuttack ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | ... | ... | 0·39 | ... | 0·17 | 0·16 | 0·75 | ... |
| | | | False Point ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | 2·11 | ... |
| | | | Kendrapara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·45 | ... |
| | | | Jajpur ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | 0·83 | ... | ... | 0·23 | 0·14 | ... |
| | | | Dharmsala ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·92 | ... | 0·15 | ... | ... | ... | 1·47 | ... | ... |
| | | | Salepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | 0·10 | ... | ... | ... | 0·29 | ... | ... |
| | | Balasore .. | Akhyapada ... | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·53 | 0·47 | ... | 0·13 | ... | 0·86 | 0·56 | ... |
| | | | Chandbali .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | 0·22 | ... | ... | 0·11 | 0·41 | ... |
| | | | Bhadrak .. | 0·01 | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | 0·05 | 0·09 | 0·63 | ... | 1·65 | 0·04 | ... | 0·31 | 0·71 | 0·29 |
| | | | Soro . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·10 | 0·55 | ... | 0·07 | 0·60 | ... | ... | 0·54 | ... |
| | | | Balasore .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | ... | ... |
| | | | Jellasore .. | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | ... | 0·08 | 1·15 | ... | 0·05 |
| | | | *Balsapal* . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·20 | 0·20 | 0·20 | ... | ... | ... |
| | | | *Eram* (Basudebpur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 | 0·11 | ... | ... | 0·26 | ... | ... | ... | 0·87 | ... |
| | | | *Tariyarsa* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | 1·20 | 0·65 | 0·65 | 0·20 | ... | ... | ... |
| | | | *Banuth* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·50 | ... | ... | ... | ... | ... | 0·70 | 0·22 | 0·11 |
| | | Angul .. | Angul .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bissipara . | ... | ... | 0·01 | ... | ... | ... | 0·06 | ... | 0·53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chhendipada* | ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tikerpara* .. | ... | ... | ... | 0·34 | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... |
| | | | *Balandapara* | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... |
| | | Orissa Tributary Mahals. | Baramba . | ... | ... | ... | 0·22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kanjabongarh | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhenkanal ... | ... | 0·01 | ... | ... | ... | ... | 0·26 | ... | ... | ... | 0·28 | ... | ... | ... | ... | ... | 0·60 | ... | ... | ... |
| | | | *Baisinga* .. | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | 1·82 |
| | | | Keonjhar ... | 0·03 | ... | ... | ... | ... | 2·50 | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | 0·05 | ... | 0·60 | ... |
| | | | Anandapur .. | 0·58 | ... | ... | ... | ... | ... | ... | ... | 0·69 | ... | ... | ... | ... | ... | 0·11 | ... | 0·35 | 0·41 | ... | ... |
| | | | Baripada .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | 0·03 | ... | ... |
| | | | *Karanjia* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Narsingpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nayagarh ... | ... | ... | 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pal Lahera .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·56 | 0·08 |
| | | | Talcher .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athmalik* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hindol* ... | ... | ... | ... | ... | ... | 2·39 | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... | ... | ... | 0·14 | ... | ... |
| | | | *Boad* .. | ... | ... | ... | ... | ... | 0·39 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nilgiri* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | ... | ... | ... | 1·24 | ... | 0·25 | ... |
| | | | *Athgarh* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·13 | 0·16 | 0·42 | 0·18 | ... |
| | | Puri ... | Puri .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... |
| | | | Khurda .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhanpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·82 | ... |
| | | | Gop ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | 1·18 | ... |
| | | | Satpara . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sunakhalla . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kanas* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tanghi ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·64 | 0·04 |
| | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hazaribagh .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... |
| | | | Barhi .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chatra .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagdiha .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramgar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Koderma* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bagodar* ... | | | | | | | | | | | | | | | | | | | | |
| | | Ranchi ... | Lohardaga ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranchi .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 |
| | | | Silli ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 |
| | | | Palkot .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bano* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tamar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kurdeg* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Gumla* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | 0·12 | ... |
| | | | Chainpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 |
| | | | Khunti ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | 0·12 |
| | | Palamau ... | Palamau (*Daltonganj*). | | | | | | | | | | | | | | | | | | | | |
| | | | Rammath ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Husainabad . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Garhwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mahuadanr* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Panki* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latehar* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nagarutari* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ranka* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chattarpur* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhaonathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Patan* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Monatu* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Lesliganj* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kerh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Garu* ... | | | | | | | | | | | | | | | | | | | | |
| | | Manbhum .. | Purulia .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | 0·22 | ... | 0·07 |
| | | | Gobindpur . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | 0·13 | ... |
| | | | Jaganathpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | 0·91 |
| | | | Jhalda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·02 | ... | ... |
| | | | Arsha . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 |
| | | | Chas .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pandra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | 0·13 | ... | ... |
| | | | *Kanbazar* . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | 1·10 |
| | | | Kalapal . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | 0·25 | 0·03 |
| | | Singhbhum ... | Chaibassa . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... | ... | ... | ... |
| | | | Chaibasa Jadhapur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 0·05 | ... | 0·07 |
| | | | Gua ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | 0·92 |
| | | | Bahagura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·62 | ... | ... | 0·60 | ... | ... |
| | | | Gailkera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | ... | ... | ... | ... | ... | ... |
| | | | Kalikapur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | 0·22 |
| | | | Mohulpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latbara* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... |
| | | | *Sarakella* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 |
| | | | *Kharsawan* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·2[illegible] | 0·3[illegible] | ... |
| | | | *Jaintgarh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | 0·11 | 0·12 |
| | | | *Jaganathpur* | ... | ... | ... | ... | ... | ... | 1·18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | 0·10 |

## STATIONS IN BENGAL IN MAY 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st May 1909. | Average rainfall from 16th to 31st May. | Station. | District. | Divisions. | Meteorological Divisions. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | 0·02 | 0·[illegible] | ... | ... | Nil | 3·00 | 0·03 | 1·41 | 0·02 | 0·03 | 0·70 | Sambalpur | Sambalpur ... | Orissa | Orissa. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·40 | 0·32 | 1·05 | 0·32 | Nil | 0·53 | Barkarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·32 | ? | 0·23 | Nil | ? | *Padampur (Barasamber)* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Bhawanipatna | Uria Feudatory States. | | |
| ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·72 | ? | 0·49 | 0·40 | ? | Bolangir. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Sonepur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Rampur. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Deoghur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | 0·06 | Nil | 2·22 | 0·13 | 1·34 | 0·07 | 0·13 | 0·92 | Ganjpur. | | | |
| 0·12 | ... | ... | ... | 0·04 | ... | ... | 0·63 | 0·01 | ... | 0·21 | 4 | ? | 1·22 | ? | 0·63 | 1·01 | ? | Bonaigarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 0·42 | 1·20 | 4 | 4·43 | 2·24 | 3·77 | 1·20 | 2·20 | 2·24 | Jagatsingpur | Cuttack ... | | |
| ... | 0·30 | ... | ... | 0·09 | ... | ... | 0·03 | | 0·08 | ... | 3 | 4·28 | 0·99 | 2·79 | 0·35 | 0·84 | 1·83 | Banki. | | | |
| ... | 0·08 | ... | ... | ... | ... | ... | ... | 0·07 | 0·16 | ... | 5 | 5·23 | 2·18 | 3·54 | 0·75 | 1·39 | 2·82 | Cuttack. | | | |
| ... | 0·41 | 0·38 | ... | ... | ... | ... | ... | 0·50 | 0·65 | ... | 5 | 4·32 | 4·08 | 4·46 | 2·11 | 4·08 | 3·14 | False Point. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·03 | 0·65 | ... | 3 | 5·33 | 4·03 | 4·59 | 2·45 | 4·03 | 3·02 | Kendrapara | | | |
| ... | 0·27 | ... | ... | 1·87 | ... | ... | 1·71 | 0·53 | 1·31 | ... | 9 | 7·20 | 7·41 | 5·26 | 1·87 | 6·06 | 3·46 | Jajpur. | | | |
| ... | ... | ... | ... | ... | ... | 1·19 | 0·20 | 0·14 | ... | 0·16 | 7 | 5·73 | 4·52 | 5·14 | 1·17 | 3·45 | 4·04 | Dharmsala. | | | |
| ... | ... | ... | 0·18 | ... | ... | ... | ... | 0·76 | ... | ... | 5 | 4·50 | 1·60 | 4·32 | 0·76 | 1·22 | 3·14 | Salepur. | | | |
| ... | 0·06 | ... | 0·13 | ... | ... | ... | 2·34 | 0·83 | ... | ... | 9 | 5·85 | 6·14 | 4·85 | 2·34 | 4·91 | 3·45 | Akhyapada | Balasore ... | | |
| ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·65 | 0·35 | ... | 6 | 6·29 | 1·99 | 5·21 | 0·65 | 1·61 | 3·01 | Chandbali. | | | |
| ... | 0·21 | ... | ... | 0·85 | ... | ... | 0·01 | 0·24 | 0·67 | ... | 9 | 7·50 | 5·46 | 5·59 | 1·65 | 3·38 | 3·57 | Bhadrak. | | | |
| ... | 0·22 | ... | ... | 1·10 | ... | ... | 0·24 | 0·08 | 2·10 | ... | 8 | 7·18 | 5·60 | 5·10 | 2·10 | 4·88 | 3·52 | Soro. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·65 | 1·50 | ... | 3 | 7·74 | 2·77 | 5·14 | 1·50 | 2·77 | 3·19 | Balasore. | | | |
| ... | 0·07 | 1·58 | 0·05 | ... | ... | ... | ... | ... | 0·66 | 0·01 | 4 | 6·11 | 4·04 | 4·27 | 1·58 | 3·65 | 2·64 | Jellasore. | | | |
| ... | 0·42 | ... | ... | ... | ... | ... | ... | 0·03 | 0·20 | 0·02 | 5 | ? | 2·42 | ? | 1·20 | 1·22 | ? | *Baliapal.* | | | |
| ... | 0·42 | ... | ... | 0·80 | ... | ... | 0·30 | ... | 0·63 | ... | 8 | ? | 3·91 | ? | 0·87 | 3·02 | ? | *Eram* (Basudeopur). | | | |
| ... | 0·30 | ... | ... | ... | ... | ... | 0·90 | 0·10 | 0·70 | ... | 9 | ? | 5·40 | ? | 1·20 | 2·85 | ? | *Turigaria.* | | | |
| 0·70 | ... | 0·50 | ... | ... | ... | ... | ... | 0·50 | 0·50 | ... | 8 | ? | 4·53 | ? | 1·50 | 3·03 | ? | *Banuth.* | | | |
| ... | ... | 0·87 | ... | ... | ... | ... | 0·23 | 0·03 | ... | ... | 9 | 4·40 | 1·22 | 2·75 | 0·87 | 1·13 | 1·78 | Angul | Angul ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·39 | ... | 2 | 3·95 | 0·9[illegible] | 2·05 | 0·54 | 0·3[illegible] | 1·13 | Bissipara. | | | |
| ... | ... | 0·99 | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·16 | ? | 0·99 | 0·99 | ? | *Chhendipada.* | | | |
| ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·10 | ? | 0·34 | 0·03 | ? | *Tikerpara.* | | | |
| ... | ... | ... | 0·48 | ... | ... | ... | ... | ... | 0·17 | ... | 3 | ? | 0·95 | ? | 0·48 | 0·67 | ? | *Balandapara* | | | |
| ... | ... | 0·59 | 2·46 | ... | ... | 0·24 | ... | ... | ... | ... | [illegible] | 5·50 | 3·51 | 3·01 | 2·46 | 3·29 | 1·77 | Baramba | Orissa Tributary Mahals. | | |
| ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | 2 | 4·84 | 0·42 | 3·16 | 0·24 | 0·13 | 1·04 | Kunjabongarh | | | |
| 0·09 | ... | ... | ... | 1·96 | ... | ... | ... | ... | ... | ... | 3 | 4·55 | 3·20 | 3·09 | 1·96 | 2·65 | 1·98 | Dhenkanal | | | |
| ... | 1·46 | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | 5 | ? | 4·24 | ? | 1·82 | 3·58 | ? | *Baisinga.* | | | |
| 0·08 | 0·61 | ... | ... | ... | ... | 0·55 | 1·23 | 1·10 | ... | ... | 7 | 5·11 | 6·96 | 2·13 | 2·5[illegible] | 4·31 | 1·21 | Keonjhar. | | | |
| 0·02 | 0·14 | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | 7 | 6·13 | 2·18 | 4·15 | 0·69 | 1·00 | 2·23 | Anandapur. | | | |
| ... | 0·03 | 0·17 | 0·01 | ... | ... | ... | ... | 0·35 | ... | 0·34 | 2 | 6·05 | 0·84 | 4·84 | 0·35 | 0·83 | 2·48 | Baripada. | | | |
| ... | 0·80 | ... | ... | 0·30 | ... | ... | ... | 0·58 | ... | ... | 3 | ? | 1·68 | ? | 0·80 | 1·68 | ? | *Karanjia.* | | | |
| ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 1 | 4·14 | 0·23 | 1·[illegible] | 0·18 | 0·23 | 1·14 | Narsingpur | | | |
| | | | | | | | | | | | | 4·57 | | 2·[illegible] | | | 1·15 | Nayagarh. | | | |
| ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4·75 | 0·25 | 2·70 | 0·25 | 0·25 | 0·87 | Pal Lahara | | | |
| ... | | ... | 0·32 | ... | ... | ... | 0·61 | ... | ... | ... | 8 | 3·86 | 1·64 | 2·7[illegible] | 0·3[illegible] | 1·64 | 0·92 | Ranpur. | | | |
| ... | ... | 0·17 | ... | 0·25 | ... | ... | 0·38 | 0·2[illegible] | ... | ... | 5 | 3·80 | 1·04 | 2·69 | [illegible] | 1·09 | 1·02 | Talcher. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Athmalik.* | | | |
| ... | 1·09 | ... | ... | ... | ... | 0·05 | ... | ... | ... | 0·05 | 4 | ? | [illegible] | ? | 1·09 | 1·33 | ? | *Hindol.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | 2 | ? | 0·[illegible] | ? | 0·38 | 0·38 | ? | *Boud.* | | | |
| ... | ... | 0·07 | ... | 0·02 | ... | ... | ... | 0·13 | 1·19 | ... | 5 | ? | 3·[illegible] | ? | 1·24 | 2·90 | ? | *Nilgiri.* | | | |
| | 0·92 | 0·61 | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ? | 2·14 | ? | 0·92 | 2·02 | ? | *Athgarh.* | | | |
| 0·02 | ... | ... | ... | ... | ... | ... | 0·02 | ... | 0·09 | ... | 1 | 3·3[illegible] | 0·25 | 2·89 | 0·12 | 0·25 | 0·99 | Puri | Puri ... | | |
| ... | 0·32 | 0·10 | ... | ... | ... | ... | 0·90 | ... | ... | ... | 3 | 4·03 | 1·32 | [illegible] | 0·90 | 1·32 | 2·08 | Khurda | | | |
| ... | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·41 | 1·17 | [illegible] | 0·82 | 1·17 | 1·60 | Bhanpur. | | | |
| ... | 1·12 | ... | ... | ... | ... | 0·29 | ... | 0·42 | ... | 1·10 | 5 | 3·47 | 4·1[illegible] | 4·0[illegible] | 1·18 | 4·17 | 3·07 | Gop. | | | |
| ... | ... | ... | ... | 0·04 | ... | 0·21 | ... | ... | ... | 0·47 | 2 | 2·92 | 0·72 | 2·21 | 0·47 | 0·[illegible] | 1·66 | Satpara | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Sanakhulla. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·68 | ... | | 0·69 | 2 | ? | 1·37 | ? | 0·6[illegible] | | ? | *Kanas* | | | |
| ... | ... | 1·26 | ... | ... | ... | ... | 0·45 | ... | 0·23 | ... | 4 | ? | 2·62 | ? | 1·20 | | ? | Tanchi. | | | |
| 0·05 | ... | 0·15 | ... | ... | ... | ... | 0·20 | ... | ... | ... | 2 | 4·53 | 0·40 | 2·14 | 0·20 | 0·40 | 1·54 | Pachamba (*Orriya*) | Hazaribagh | Chota Nagpur | Chota Nagpur. |
| ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | Nil | 5·93 | 0·08 | 1·77 | 0·0[illegible] | 0·08 | 1·29 | Hazaribagh | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | Nil | 2·40 | 0·02 | 1·52 | 0·02 | 0·02 | 1·10 | Barhi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | Nil | 2·93 | 0·04 | 1·68 | 0·04 | 0·04 | 1·10 | Chatra. | | | |
| ... | 0·06 | ... | ... | ... | ... | 0·29 | ... | ... | ... | ... | 1 | 3·73 | 0·35 | 2·28 | 0·29 | 0·35 | 1·30 | Kharagdiha. | | | |
| | | | | | | | | | | | | 2·53 | | 1·64 | | | 1·12 | Ramgarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·64 | ... | ... | ... | 1 | ? | 0·64 | ? | 0·64 | 0·64 | ? | *Koderma.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Bagodar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·95 | ... | 0·30 | 0·10 | 3 | 3·35 | 1·86 | 1·9[illegible] | 0·95 | 1·80 | 1·07 | Lohardaga | Ranchi ... | | |
| ... | | 1·17 | 0·12 | ... | ... | ... | ... | 0·07 | ... | 0·06 | 3 | 4·58 | 1·56 | 3·[illegible] | 1·17 | 1·3[illegible] | 1·01 | Ranchi | | | |
| ... | 0·48 | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | 2 | 3·77 | 0·71 | [illegible] | 0·48 | 0·71 | 1·01 | Sili. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·95 | ... | 0·75 | 0·10 | 3 | 3·00 | 1·80 | 1·43 | 0·95 | 1·80 | 1·12 | Palkot. | | | |
| ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | 0·60 | 1·05 | 3 | ? | 2·65 | ? | 1·85 | 2·65 | [illegible] | *Bano.* | | | |
| ... | 0·02 | ... | ... | 0·11 | ... | ... | 0·15 | ... | 0·55 | ... | 4 | 2·57 | 1·43 | 1·54 | 0·62 | 1·43 | [illegible] | Tamar. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | Nil | ? | 0·05 | ? | 0·05 | 0·05 | ? | *Kurdeg.* | | | |
| 0·02 | ... | 0·08 | 0·04 | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·3[illegible] | ? | 0·12 | 0·34 | ? | *Gumla.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | 0·27 | 2 | 2·00 | 0·[illegible] | 0·82 | 0·27 | 0·42 | 0·26 | Chainpur. | | | |
| ... | 0·02 | 0·32 | ... | ... | ... | ... | ... | 0·25 | ... | ... | 3 | ? | 0·77 | ? | 0·32 | 0·77 | ? | Khunti. | | | |
| | | | | | | | | | | | | 2·07 | | 1·04 | | | 0·81 | Palamau (*Daltonganj*) | Palamau ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·[illegible] | Nil | 1·02 | Nil | Nil | 0·83 | Balumath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | 1 | 1·[illegible] | 0·40 | 0·88 | 0·40 | 0·40 | 0·64 | Husainabad | | | |
| ... | ... | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | Nil | 1·[illegible] | 0·[illegible]8 | 0·81 | 0·08 | 0·08 | 0·75 | Gadhwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Manuadanr* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·25 | 1 | ? | 1·25 | ? | 1·25 | 1·25 | ? | *Panki.* | | | |
| ... | ... | 0·05 | ... | ... | ... | ... | ... | ... | ... | 1·27 | 1 | ? | 1·32 | ? | 1·27 | 1·32 | ? | *Latehar* | | | |
| ... | ... | 1·20 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 1·20 | ? | 1·20 | 1·20 | ? | *Nagarutari* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Ranka.* | | | |
| ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | 1·00 | 2 | ? | 1·10 | ? | 1·00 | 0·10 | ? | *Chatarpur* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Bhaunathpur* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Pakur.* | | | |
| ... | ... | ... | 0·19 | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·19 | ? | 0·19 | 0·19 | ? | *Momita.* | | | |
| ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·15 | ? | 0·15 | 0·15 | ? | *Lesliganj.* | | | |
| ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·0[illegible] | ? | 0·03 | 0·03 | ? | *Kora.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Garu.* | | | |
| ... | 0·23 | 0·27 | ... | ... | ... | ... | ... | ... | ... | 1·50 | 4 | 5·[illegible] | 2·35 | 2·94 | 1·50 | 2·23 | 1·18 | Purulia | Manbhum ... | | |
| ... | ... | 0·62 | ... | ... | ... | ... | 0·45 | ... | ... | ... | 4 | 4·27 | 1·81 | 2·00 | 0·62 | 1·20 | 1·52 | Gobindpur. | | | |
| 0·71 | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | 2 | 4·17 | 1·75 | 3·60 | 0·91 | 1·71 | 2·02 | Raghunathpur | | | |
| ... | 0·44 | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | 2 | 4·17 | 0·63 | 2·01 | 0·44 | 0·63 | 1·93 | Barahabhum. | | | |
| ... | 0·60 | ... | 0·05 | ... | ... | ... | 0·04 | 0·2[illegible] | ... | 0·43 | 3 | 3·[illegible]3 | 1·13 | 2·53 | 0·60 | 1·14 | 1·68 | Jhalda. | | | |
| ... | 0·20 | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... | 2 | 4·[illegible]0 | 0·42 | 2·74 | 0·2[illegible] | 0·42 | 1·93 | Chas. | | | |
| 0·50 | ... | 0·70 | ... | ... | ... | ... | 0·16 | ... | ... | ... | 5 | 4·0[illegible] | 1·61 | 3·23 | 0·70 | 1·40 | 1·53 | Pandra. | | | |
| ... | ... | ... | ... | 0·70 | ... | ... | 0·40 | ... | ... | ... | 4 | ? | 2·50 | | 1·10 | 2·50 | ? | *Manbazar.* | | | |
| ... | ... | ... | 0·27 | ... | ... | 0·41 | ... | ... | ... | ... | 5 | ? | 1·74 | ? | 0·3 | 1·74 | ? | Kolapal. | | | |
| ... | 0·27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 5·15 | 0·90 | 3·70 | 0·67 | 0·90 | 2·24 | Chaibassa | Singhbhum ... | | |
| 0·47 | ... | 0·45 | ... | ... | ... | ... | 0·18 | ... | ... | ... | 3 | 5·92 | 1·28 | 2·87 | 0·45 | 1·28 | 1·9[illegible] | Chakradharpur. | | | |
| 0·38 | ... | ... | 0·88 | ... | ... | ... | ... | ... | ... | ... | 3 | 5·37 | 2·26 | 3·97 | 0·92 | 2·18 | 2·51 | Chaibasa. | | | |
| 1·03 | 0·08 | 1·05 | 0·40 | ... | ... | ... | ... | ... | ... | ... | 5 | 6·20 | 5·78 | 4·47 | 1·05 | 3·16 | 2·90 | Jamadaguria. | | | |
| ... | ... | ... | 0·01 | ... | ... | ... | ... | ... | 0·05 | ... | 2 | 4·88 | 1·23 | 2·98 | 0·91 | 1·00 | 1·71 | Jaitkura. | | | |
| 0·21 | ... | ... | 0·35 | ... | ... | ... | ... | ... | ... | 0·25 | 5 | 6·50 | 1·28 | 4·15 | 0·35 | 1·28 | 2·6 | Kalikapur. | | | |
| ... | ... | 0·50 | 0·25 | ... | ... | ... | ... | ... | ... | ... | 2 | 5·00 | 0·75 | 1·31 | 0·50 | 0·75 | 0·98 | Monoharpur. | | | |
| 0·07 | 0·36 | ... | ... | ... | ... | ... | 0·14 | 0·11 | ... | ... | 4 | ? | 0·36 | ? | 0·36 | 0·36 | ? | *Kalbari.* | | | |
| 0·40 | 0·30 | ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | 4 | ? | 1·24 | ? | 0·40 | 1·24 | ? | *Seraikela.* | | | |
| ... | 0·61 | ... | ... | 0·24 | ... | ... | ... | ... | ... | ... | 4 | ? | 1·15 | ? | 0·61 | 1·45 | ? | *Kharsawan.* | | | |
| ... | 0·18 | ... | ... | ... | ... | ... | ... | ... | ... | 0·95 | 5 | ? | 1·47 | ? | 0·95 | 1·47 | ? | Chaibasgarh. | | | |
| ... | ... | 0·05 | ... | ... | ... | ... | ... | ... | 0·07 | ... | 3 | ? | 1·50 | ? | 1·18 | 1·50 | ? | *Jagannathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of May 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th May 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 4·51 | 5·08 | —0·57 | 6·20 | 6·47 | 3·87 | 2·97 | +0·90 | 5·00 | 3·27 |
| | | Birbhum ... | 2·33 | 4·07 | —1·74 | 4·50 | 6·[illegible]7 | 1·96 | 2·62 | —0·66 | 3·83 | 3·35 |
| | | Bankura ... | 3·57 | 4·36 | —0·79 | 5·60 | 5·84 | 3·03 | 2·75 | +0·28 | 4·60 | 3·35 |
| | | Midnapore ... | 4·29 | 5·39 | —1·10 | 6·29 | 6·93 | 3·59 | 2·90 | +0·69 | 5·60 | 3·52 |
| | | Hooghly ... | 4·31 | 5·50 | —1·19 | 7·67 | 7·37 | 3·81 | 3·04 | +0·77 | 6·33 | 3·82 |
| | | Howrah ... | 3·80 | 5·27 | —1·47 | 5·67 | 7·26 | 3·28 | 2·87 | +0·41 | 4·00 | 3·68 |
| | Presidency ... | 24-Parganas ... | 5·44 | 5·49 | —0·05 | 6·25 | 7·54 | 4·63 | 3·00 | +1·63 | 4·62 | 4·04 |
| | | Calcutta ... | 4·52 | 5·60 | —1·08 | 6·00 | 7·46 | 3·09 | 2·95 | +0·14 | 2·00 | 3·68 |
| | | Nadia ... | 5·42 | 6·72 | —1·30 | 6·60 | 8·30 | 4·84 | 3·71 | +1·13 | 5·80 | 4·64 |
| | | Murshidabad ... | 3·38 | 5·13 | —1·75 | 4·63 | 7·30 | 3·13 | 3·24 | —0·11 | 4·25 | 4·19 |
| | | Jessore ... | 6·44 | 7·13 | —0·69 | 9·40 | 9·28 | 5·39 | 3·77 | +1·62 | 8·00 | 4·60 |
| | | Khulna ... | 6·91 | 6·45 | +0·46 | 9·20 | 8·17 | 5·05 | 3·50 | +1·55 | 7·40 | 4·12 |
| Bihar. | Patna ... | Patna ... | 0·16 | 1·75 | —1·59 | 0·83 | 2·41 | 0·16 | 1·17 | —1·01 | 0·83 | 1·43 |
| | | Gaya ... | 0·09 | 1·18 | —1·09 | 0·12 | 1·78 | 0·09 | 0·84 | —0·75 | 0·12 | 1·15 |
| | | Shahabad ... | 0·10 | 0·77 | —0·67 | 0·33 | 1·33 | 0·10 | 0·38 | —0·28 | 0·33 | 1·12 |
| | Tirhut ... | Saran ... | 0·40 | 1·55 | —1·15 | 0·[illegible] | [illegible]·41 | 0·40 | 0·80 | —0·40 | 0·60 | 1·45 |
| | | Champaran .. | 1·76 | 2·61 | —0·85 | 3·3[illegible] | 4·05 | 1·76 | 1·57 | +0·19 | 3·31 | 2·43 |
| | | Muzaffarpur .. | 1·26 | 2·29 | —1·03 | 2·14 | 3·42 | 0·95 | 1·44 | —0·49 | 1·86 | 2·03 |
| | | Darbhanga ... | 1·73 | 2·56 | —0·83 | 2·00 | 3·66 | [illegible]58 | 1·42 | +0·16 | 1·80 | 1·89 |
| | Bhagalpur ... | Monghyr ... | 0·67 | 2·16 | —1·49 | 1·20 | 2·91 | 0·62 | 1·[illegible]3 | —0·61 | 1·10 | 1·49 |
| | | Bhagalpur ... | 1·8[illegible] | 3·15 | —1·33 | 2·38 | 4·23 | 1·63 | 2·66 | —0·48 | 2·00 | 2·58 |
| | | Darjeeling .. | 8·[illegible] | 9·29 | —0·95 | 12·50 | 13·50 | 3·79 | 5·82 | —2·03 | 7·17 | 7·55 |
| | | Purnea ... | [illegible]46 | 5·41 | —2·95 | 3·67 | 6·59 | 1·71 | 3·45 | —1·74 | 2·33 | 3·70 |
| | | Sonthal Parganas. | 1·68 | 2·75 | —1·07 | 3·07 | 4·26 | 1·62 | 1·56 | +0·06 | 2·93 | 2·83 |
| Orissa. | Orissa ... | Sambalpur ... | 0·18 | 1·2[illegible] | —1·05 | 0·50 | 2·70 | 0·01 | 0·62 | —0·61 | Nil | 1·35 |
| | | Angul ... | 1·11 | [illegible]42 | —1·31 | 2·00 | 4·18 | 0·76 | 1·46 | —0·70 | 1·50 | 2·09 |
| | | Cuttack .. | 3·37 | 4·23 | —0·86 | 5·13 | 5·13 | 2·91 | 2·96 | —0·05 | 4·13 | 2·86 |
| | | Balasore .. | 4·34 | 5·06 | —0·72 | 6·50 | 6·78 | 3·53 | 3·23 | +0·30 | 4·83 | 3·52 |
| | | Puri | 1·31 | 3·13 | —1·82 | 2·80 | 3·61 | 1·53 | 2·03 | —0·50 | 2·80 | 2·09 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | 0·18 | 1·89 | —1·71 | 0·60 | 3·34 | 0·18 | 1·27 | —1·09 | 0·60 | 1·58 |
| | | Ranchi ... | 1·29 | 1·69 | —0·40 | 2·83 | 3·23 | 1·29 | 1·01 | +0·28 | 2·83 | 1·78 |
| | | Palamau ... | 0·16 | 0·94 | —0·78 | 0·33 | 1·67 | 0·16 | 0·76 | —0·60 | 0·33 | 1·35 |
| | | Manbhum ... | 1·43 | 2·81 | —1·38 | 3·14 | 4·47 | 1·31 | 1·80 | —0·49 | 2·86 | 2·65 |
| | | Singhbhum ... | 1·64 | 3·33 | —1·69 | 3·29 | 5·35 | 1·51 | 2·10 | —0·59 | 2·56 | 3·44 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF MAY 1909.

During the month of May, the rainfall was below the average in all districts, Khulna excepted, where it was in slight excess. In Burdwan, Midnapore, Hooghly, 24-Parganas, Nadia and Jessore in South-West Bengal, the fall was about normal. In Bihar, Orissa and Chota Nagpur it was very scanty, especially in the districts of Patna, Gaya, Shahabad, Saran, Monghyr, Sambalpore, Hazaribagh and Palamau. On the average South-West Bengal received 4·41, Bihar 0·93, Orissa 3·96, and Chota Nagpur 2·28 inches of rain. The departure from the normal was —0·97 in South-West Bengal, —1·48 in Bihar, —0·19 in Orissa, and —1·26 in Chota Nagpur.

The following table gives full data for comparison of the actual and normal rainfall of the month of May for all districts of the province. The figures are derived from the average and actual rainfall of the rain-reporting stations in each district.

The first column gives the normal or average district rainfall as determined from the observations of past years. The second column gives the actual district rainfall as determined from the actual rainfall of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third in a slightly

different form, stating as a percentage how much the district rainfall of the month varied in excess or defect from the normal :—

PERCENTAGE TABLE FOR MAY 1909.

| Division. | District. | Normal district rainfall for May. | Actual district rainfall for May 1909. | Percentage of actual to normal rainfall. | Percentage excess (+), deficit (—). |
|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... ... | 5·08 | 4·51 | 89 | — 11 |
| | Birbhum ... ... | 4·07 | 2·33 | 57 | — 43 |
| | Bankura ... ... | 4·36 | 3·57 | 82 | — 18 |
| | Midnapore ... ... | 5·39 | 4·29 | 80 | — 20 |
| | Hooghly ... ... | 5·50 | 4·31 | 78 | — 22 |
| | Howrah ... ... | 5·27 | 3·80 | 72 | — 28 |
| | 24-Parganas ... ... | 5·49 | 5·44 | 99 | — 1 |
| | Calcutta ... ... | 5·60 | 4·52 | 81 | — 19 |
| | Nadia ... ... | 6·72 | 5·42 | 81 | — 19 |
| | Murshidabad ... ... | 5·13 | 3·38 | 66 | — 34 |
| | Jessore ... ... | 7·13 | 6·44 | 90 | — 10 |
| | Khulna ... ... | 6·45 | 6·91 | 107 | + 7 |
| Bihar ... | Patna ... ... | 1·75 | 0·16 | 9 | — 91 |
| | Gaya ... ... | 1·18 | 0·09 | 8 | — 92 |
| | Shahabad ... ... | 0·77 | 0·10 | 13 | — 87 |
| | Saran ... ... | 1·55 | 0·40 | 26 | — 74 |
| | Champaran ... ... | 2·61 | 1·76 | 67 | — 33 |
| | Muzaffarpur ... ... | 2·29 | 1·26 | 55 | — 45 |
| | Darbhanga ... ... | 2·56 | 1·73 | 68 | — 32 |
| | Monghyr ... ... | 2·16 | 0·67 | 31 | — 69 |
| | Bhagalpur ... ... | 3·15 | 1·82 | 59 | — 41 |
| | Darjeeling ... ... | 9·29 | 8·34 | 90 | — 10 |
| | Purnea ... ... | 5·41 | 2·46 | 45 | — 55 |
| | Sonthal Parganas ... | 2·75 | 1·68 | 61 | — 39 |
| Orissa ... | Sambalpur ... ... | 1·23 | 0·18 | 15 | — 85 |
| | Angul ... ... | 2·42 | 1·11 | 46 | — 54 |
| | Cuttack ... ... | 4·23 | 3·37 | 80 | — 20 |
| | Balasore ... ... | 5·06 | 4·34 | 85 | — 15 |
| | Puri ... ... | 3·13 | 1·31 | 42 | — 58 |
| Chota Nagpur | Hazaribagh ... | 1·89 | 0·18 | 10 | — 90 |
| | Ranchi ... ... | 1·69 | 1·29 | 76 | — 24 |
| | Palamau ... .. | 0·94 | 0·16 | 17 | — 83 |
| | Manbhum ... ... | 2·81 | 1·43 | 51 | — 49 |
| | Singhbhum ... ... | 3·33 | 1·6[illegible] | 49 | — 51 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of May 1909 :—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Rainfall since 16th May 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation. | Average number in month. | Normal average number month. | Variation. | Average. | Normal average. |
| South-West Bengal ... | 4·41 | 5·38 | —0·97 | 6·23 | 7·19 | —0·96 | 3·74 | 3·09 |
| Bihar ... ... | 0·93 | 2·41 | —1·48 | 2·75 | 3·39 | —0·64 | 0·82 | 1·47 |
| Orissa ... ... | 3·96 | 4·15 | —0·19 | 6·86 | 5·17 | +1·69 | 2·55 | 2·76 |
| Chota Nagpur ... | 1·02 | 2·28 | —1·26 | 3·37 | 3·83 | —0·46 | 0·96 | 1·47 |

CALCUTTA,
*The 15th June 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of May 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... ... | 29·652 | | |
| The average pressure of May from 44 years' registers ... | 29·658 | | |
| The highest pressure in the month ... ... ... | 29·795 | 4th | 10 |
| The lowest pressure in the month ... ... ... | 29·490 | 14th | 16 |
| The range of pressure ... ... ... ... | 0·305 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 289·9 | | |
| The maximum possible number of hours of sunshine ... | 408·3 | | |
| | ° | | |
| The mean temperature of the month ... ... ... | 86·4 | | |
| The average temperature of May from 20 years' registers ... | 85·4 | | |
| The highest temperature in the month ... ... ... | 98·6 | 7th & 25th | |
| The lowest temperature in the month ... ... ... | 71·3 | 21st | |
| The range of temperature during the month ... ... | 27·3 | | |
| The mean daily range of temperature ... ... ... | 17·1 | | |
| The greatest range of temperature in one day ... ... | 23·4 | 15th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 75 | | |
| The average humidity of May from 20 years' registers ... | 74 | | |
| | Inches. | | |
| The mean vapour tension of the month ... ... ... | 0·915 | | |
| The average vapour tension of May from 20 years' registers | 0·883 | | |
| The mean cloud proportion of the month ... | 3·24 | | |
| The average cloud proportion of May from 32 years' registers ... ... ... ... ... | 4·3[illegible] | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 4·52 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 4·10(?) | | |
| The average fall of May from 24 years' registers ... | 5·60 | | |
| The greatest fall in 24 hours ... ... ... | 1·15 | 28th | |
| | Days. | | |
| The number of rainy days in the month ... ... | 6 | | |
| The average number of rainy days in May from 24 years' registers ... ... ... ... ... | 7 | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... ... ... | 146·4 | | |
| The mean difference of sun and air temperatures ... ... | 51·1 | | |
| The greatest sun temperature ... ... ... | 153·1 | 25th | |
| The greatest excess of sun over air temperature ... .. | 55·8 | 14th & 29th | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... ... ... | 75·3 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... ... | 2·9 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... .. | 4·2 | 1st & 16th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 178·0 | | |
| The greatest movement of the wind in one day ... ... | 242 | 6th | |
| The greatest movement of the wind in one hour ... ... | 23 | 14th | 6 to 7 P.M. |

The number of hours with winds from each of the eight points—

N. 11, N.E. 4, E. 49, S.E. 120, S. 306, S.W. 238, W. 8, N.W. 5, Calm 3.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 14th June 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th June 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| June | 6th | 118·1 | 0·0 | 29·395 | 81·0 | 84·3 | 6·0 | 78·3 | 78·4 | 0·967 | 78·2 | 95 | ESE and SSE ... | 161 | 1·18 | Cloudy, o, g, d, p. |
| " | 7th | 88·9 | 0·0 | ·438 | 80·1 | 84·7 | 8·7 | 76·0 | 76·8 | ·922 | 76·8 | 97 | SSE and SE by S | 131 | 2·16 | Cloudy, o, g, d, p. |
| " | 8th | 110·8 | 0·2 | ·529 | 81·9 | 86·2 | 8·0 | 78·2 | 79·7 | ·987 | 78·8 | 89 | SE by S and S by W. | 161 | 0·52 | Chiefly cloudy, o, d. |
| " | 9th | 142·1 | 2·4 | ·593 | 85·8 | 90·7 | 9·3 | 81·4 | 81·2 | 1·021 | 79·9 | 85 | S by W, SSW and S. | 218 | Nil | Chiefly cloudy. |
| " | 10th | 119·6 | 0·0 | ·560 | 82·1 | 87·5 | 10·3 | 77·2 | 78·7 | 0·965 | 78·1 | 92 | SSW and SW by S. | 183 | 0·56 | Cloudy, o, g, p. t, <. |
| " | 11th | 151·2 | 4·3 | ·560 | 84·5 | 92·7 | 15·9 | 76·8 | 78·5 | ·983 | 77·3 | 85 | SSW and SSE ... | 106 | 1·99 | Chiefly cloudy, o, g, p, t, <. |
| " | 12th | 111·6 | 6·3 | ·589 | 81·4 | 90·2 | 11·0 | 79·2 | 80·8 | 1·009 | 79·5 | 85 | SSE, SE by E and S by E. | 101 | Nil | Partially cloudy, p, d, t, <. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·523 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·568 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 13·2 |
| The maximum possible number of hours of sunshine ... ... ... | 91·0 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·8 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 85·0 |
| The extreme variation of temperature ... ... ... ... | 16·7 |
| The maximum temperature ... ... ... ... ... | 92·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 15 |
| | % |
| The mean relative humidity ... ... ... ... | 90 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 79 |
| | Inches. |
| The total fall of rain from 6th June to 12th June 1909 ... ... | 6·71 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·52 |
| The total fall from 1st January to 12th June 1909 ... ... ... | 21·37 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 13·29 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; p, passing temporary showers; g, dark gloomy; t, thunder; <, lightning.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 14th June 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried during the month of January 1909 as compared with the same period of 1908.*

| STAPLES. | 1908. | | 1909. | | INCREASE. | | DECREASE. | |
|---|---|---|---|---|---|---|---|---|
| | Weight. | Freight. | Weight. | Freight. | Weight. | Freight. | Weight. | Freight. |
| | Mds. | Rs. | Mds. | Rs. | Mds. | Rs. | Mds. | Rs. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... | 4,633 | 5,454 | 6,333 | 7,035 | 1,700 | 1,581 | ..... | ..... |
| Coal and coke carried for the public and foreign railways ... ... ... ... ... | 1,29,42,773 | 15,94,735 | 1,27,69,146 | 20,37,630 | ..... | 5,12,895 | 1,73,627 | ..... |
| *Cotton*— | 1,91,925 | 66,074 | 2,95,963 | 79,701 | 1,04,038 | 13,627 | ..... | ..... |
| (1) Raw ... ... ... ... ... | | | | | | | | |
| (2) Manufactured— | | | | | | | | |
| (a) Twist and Yarn, European ... ... | 2,312 | 2,188 | 3,409 | 3,339 | 1,097 | 1,151 | ..... | ..... |
| (b) Ditto, Indian ... ... ... | 29,672 | 12,223 | 38,103 | 14,057 | 8,431 | 1,834 | ..... | ..... |
| (c) Piece-goods, European ... ... ... | 70,625 | 65,001 | 1,69,118 | 1,31,944 | 98,493 | 66,943 | ..... | ..... |
| (d) Ditto, Indian ... ... ... | 13,082 | 7,596 | 15,247 | 7,813 | 2,765 | 217 | ..... | ..... |
| (e) Others ... ... ... ... ... | 5,281 | 3,699 | 4,747 | 2,747 | ..... | ..... | 534 | 952 |
| Chemicals, excepting saltpetre ... ... ... | 15,052 | 6,972 | 12,082 | 6,685 | ..... | ..... | 2,970 | 287 |
| *Drugs*— | | | | | | | | |
| 1.—Intoxicating, other than opium ... | 23 | 16 | 115 | 139 | 92 | 123 | ..... | ..... |
| 2.—Non-intoxicating ... ... ... ... | 5,774 | 4,821 | 5,932 | 5,103 | 158 | 282 | ..... | ..... |
| *Dyes and Tans*— | | | | | | | | |
| 1.—Alizarine and aniline dyes ... ... | 672 | 592 | 1,851 | 1,436 | 1,279 | 844 | ..... | ..... |
| 2.—Cutch ... ... ... ... ... ... | 1,524 | 687 | 1,173 | 557 | ..... | ..... | 351 | 130 |
| 3.—Indigo ... ... ... ... ... ... | 4,867 | 3,721 | 4,500 | 2,786 | ..... | ..... | 367 | 935 |
| 4.—Myrabolams ... ... ... ... ... | 28,362 | 8,170 | 12,547 | 3,055 | ..... | ..... | 15,816 | 5,115 |
| 5.—Tanning barks ... ... ... ... ... | 13,820 | 867 | 26,496 | 1,351 | 12,676 | 484 | ..... | ..... |
| 6.—Turmeric ... ... ... ... ... | 8,107 | 4,755 | 12,920 | 8,096 | 4,813 | 3,341 | ..... | ..... |
| 7.—Others ... ... ... ... ... | 6,303 | 2,877 | 18,278 | 8,568 | 11,975 | 5,691 | ..... | ..... |
| *Fodder*— | | | | | | | | |
| 1.—Oilcake ... ... ... ... ... | 1,30,977 | 14,813 | 94,115 | 18,734 | ..... | 3,921 | 36,862 | ..... |
| 2.—Hay, straw and grass ... ... ... | 55,819 | 10,063 | 69,445 | 10,086 | 13,027 | 23 | ..... | ..... |
| Fruits and vegetables, fresh ... ... ... | 19,697 | 4,199 | 18,312 | 6,785 | ..... | 2,676 | 1,385 | ..... |
| *Grain and Pulse*— | | | | | | | | |
| 1.—Gram and pulse ... ... ... ... | 6,09,373 | 1,39,192 | 3,13,243 | [illegible] | ..... | ..... | 2,96,130 | 83,307 |
| 2.—Jowar and bajra ... ... ... ... | 3,53,178 | 50,124 | 1,85,584 | [illegible] | ..... | ..... | 1,67,594 | 29,266 |
| 3.—Rice in the husk ... ... ... ... | 1,12,601 | 16,166 | 6,49,253 | 1,18,[illegible] | [illegible] | 1,01,974 | ..... | ..... |
| 4.—Rice not in the husk ... ... ... | 13,98,272 | 3,93,439 | 12,56,300 | 3,08,203 | ..... | ..... | 1,41,972 | 85,236 |
| 5.—Wheat ... ... ... ... ... ... | 3,04,902 | 96,582 | 3,32,527 | 77,976 | 27,625 | ... | ... | 18,606 |
| 6.—Wheat flour ... ... ... ... ... | 85,205 | 22,127 | 79,708 | 20,974 | ..... | ..... | 5,497 | 1,153 |
| 7.—Others ... ... ... ... ... ... | 2,08,014 | 52,591 | 2,10,372 | 54,084 | ..... | [illegible] | 87,642 | ..... |
| *Hides and Skins*— | | | | | | | | |
| 1.—Hides of cattle ... ... ... ... | 52,982 | 33,[illegible] | 97,166 | 50,736 | 44,184 | 16,8[illegible] | ..... | ..... |
| 2.—Skins of sheep, &c. ... ... ... | 15,971 | [illegible]085 | 30,537 | 14,388 | 14,566 | 6,303 | ..... | ..... |
| Horns ... ... ... ... ... ... | 1,056 | 535 | 1,330 | 472 | 274 | ..... | ..... | 63 |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... ... ... ... | 1,21,202 | 33,357 | 1,48,[illegible] | 32,660 | 26,865 | ..... | ..... | 697 |
| *Jute*— | | | | | | | | |
| 1.—Raw ... ... ... ... ... ... | 3,60,665 | 68,184 | 1,[illegible],090 | 20,302 | ..... | ..... | 2,00,575 | 47,792 |
| 2.—Gunny-bags and cloth ... ... ... | 1,05,955 | 58,869 | [illegible],522 | 39,691 | ..... | ..... | 10,433 | 19,178 |
| Lac ... ... ... ... ... ... | 73,341 | 38,727 | 36,531 | 14,682 | ..... | ..... | 36,810 | 24,045 |
| *Leather*— | | | | | | | | |
| 1.—Unwrought ... ... ... ... ... | 2,197 | 3,371 | 2,608 | 3,570 | 411 | 199 | ..... | ..... |
| 2.—Wrought, excepting boots and shoes ... | 6,399 | [illegible] | 4,324 | 1,088 | ..... | ..... | 2,075 | 377 |
| *Liquors*— | | | | | | | | |
| 1.—Ale and Beer ... ... ... ... ... | 8,362 | 3,757 | 19,067 | 5,394 | 10,705 | 1,637 | ..... | ..... |
| 2.—Wines and spirits of all kinds, including country spirit ... ... ... ... | [illegible] | 5,392 | 7,965 | 6,826 | 1,576 | 1,434 | ..... | ..... |
| 3.—All other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | [illegible] | 46 | 168 | 48 | ..... | 2 | 6 | ..... |
| *Metals*— | | | | | | | | |
| 1.—Brass, unwrought ... ... ... ... | 4,0[illegible] | 2,854 | 861 | 249 | ..... | ..... | 3,184 | 2,605 |
| 2.— Do., manufactured ... ... ... | 15,608 | 8,104 | 19,039 | 9,069 | 3,434 | 965 | ..... | ..... |
| 3.—Copper, unwrought ... ... ... | 472 | 541 | 9 | 4 | ..... | ..... | 463 | 537 |
| 4.— Do., manufactured ... ... ... | 1,727 | 1,028 | 1,858 | 1,559 | 131 | 531 | ..... | ..... |
| 5.—Iron and steel— | | | | | | | | |
| (1) Unwrought (dust, slag, pig and old for remanufacture) ... ... | 37,137 | 16,014 | 31,646 | 5,610 | ..... | ..... | *5,491 | 10,404 |
| (2) Wrought— | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel ... ... ... | 2,29,514 | 50,[illegible] | 1,36,557 | 65,696 | 7,043 | 14,831 | ..... | ..... |
| (b) Machinery and mill work ... | 20,938 | 10,08[illegible] | 54,021 | 23,178 | 33,083 | 13,093 | ..... | ... |
| (c) Other manufactures, including hardware and cutlery ... | 38,767 | 20,912 | 21,529 | 7,832 | ..... | ..... | 17,238 | 13,080 |
| 6.—Metallic ores ... ... ... ... ... | 49,616 | 2,148 | 69,520 | 2,097 | 19,904 | 849 | ..... | ..... |
| 7.—Zinc and spelter ... ... ... ... | 2,445 | 1,553 | 176 | 60 | ..... | ..... | 2,269 | 1,493 |
| 8.—Others ... ... ... ... ... ... | 11,564 | 7,173 | [illegible]7,724 | 12,127 | 6,160 | 4,954 | ..... | ..... |
| Mineral substances— | | | | | | | | |
| 1.—Marble and stone ... ... ... ... | 2,53,982 | 25,960 | 3,8[illegible]26 | 32,150 | 1,28,644 | 6,[illegible] | ..... | ..... |
| 2.—Chalk and lime ... ... ... ... | 2,69,475 | 46,513 | 3,38,[illegible] | 77,994 | 69,339 | 31,481 | ..... | ..... |
| 3.—Others ... ... ... ... ... | 4,369 | 2,505 | 2,4[illegible] | 1,717 | ..... | ..... | 1,934 | 788 |
| *Oils*— | | | | | | | | |
| 1.—Kerosine ... ... ... ... ... | 1,59,883 | 60,802 | 1,94,583 | 64,916 | 34,700 | 4,053 | ..... | ..... |
| 2.—Castor ... ... ... ... ... ... | 2,844 | 989 | 6,314 | 1,792 | 3,470 | 853 | ..... | ..... |
| 3.—Cocoanut ... ... ... ... ... | 3,789 | 1,244 | 4,161 | 1,692 | 372 | 448 | ..... | ..... |
| 4.—Mustard and rape ... ... ... ... | 13,964 | 4,027 | 17,808 | 3,848 | 3,844 | ..... | ..... | 179 |
| 5.—Others ... ... ... ... ... ... | 7,674 | 3,851 | 10,780 | 5,569 | 3,106 | 1,718 | ..... | ..... |
| *Oilseeds*— | | | | | | | | |
| 1.—Castor .. ... ... ... ... ... | 43,370 | 9,383 | 44,389 | 8,421 | 1,019 | ..... | ..... | 962 |
| 2.—Earthnuts ... ... ... ... ... | 4,247 | 867 | 1,905 | 337 | ..... | ..... | 2,341 | 530 |
| 3.—Linseed .. ... ... ... ... ... | 58,359 | 14,984 | 32,994 | 8,637 | ..... | ..... | 25,365 | 6,347 |
| 4.—Poppy ... ... ... ... ... ... | 1,970 | 551 | 11,656 | 2,832 | 9,686 | 2,281 | ..... | ..... |
| 5.—Rape and mustard ... ... ... ... | 46,166 | 10,485 | 1,14,943 | 28,131 | 68,777 | 17,646 | ..... | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 44,806 | 4,609 | 80,649 | 15,590 | 35,843 | 10,981 | ..... | ..... |
| 7.—Others ... ... ... ... ... ... | 3,63,136 | 23,410 | 1,28,705 | 20,140 | ..... | ..... | 1,33,431 | 3,270 |
| Opium ... ... ... ... ... ... | 21,567 | 20,069 | 878 | 787 | ..... | ..... | 20,689 | 19,282 |
| Paper and pasteboard ... ... ... ... | 22,531 | 13,872 | 22,190 | 12,157 | ..... | ..... | 341 | 1,715 |
| *Provisions*— | | | | | | | | |
| 1.—Dried fruits and nuts ... ... ... | 15,904 | 5,872 | 20,514 | 12,075 | 5,510 | 6,203 | ..... | ..... |
| 2.—Ghee ... ... ... ... ... ... | 55,187 | 34,843 | 41,806 | 29,715 | ..... | ..... | 13,381 | 5,128 |
| 3.—Potatoes ... ... ... ... ... | 1,30,052 | 43,455 | 1,46,847 | 35,633 | 16,795 | ..... | ..... | 7,822 |
| 4.—Others ... ... ... ... ... ... | 65,129 | 34,496 | 44,065 | 37,418 | ..... | 2,923 | 20,164 | ..... |

| Staples. | 1908. | | 1909. | | Increase. | | Decrease. | |
|---|---|---|---|---|---|---|---|---|
| | Weight. | Freight. | Weight | Freight. | Weight. | Freight. | Weight. | Freight. |
| | Mds. | Rs. | Mds. | Rs. | Mds. | Rs. | Mds. | Rs. |
| *Railway plant & rolling-stock carried for the public & foreign railways—* | | | | | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... | 429 | 34 | ..... | ..... | ..... | ..... | 429 | 34 |
| 2.—Carriages and trucks and parts thereof | 81 | 43 | 3,573 | 2,577 | 3,492 | 2,534 | ..... | ..... |
| 3.—Materials— | | | | | | | | |
| (a) Steel rails and fish-plates ... | 2,544 | 813 | 547 | 159 | ..... | ..... | 1,997 | 654 |
| (b) Sleepers and keys of steel and cast-iron ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| (c) Others ... | 2,90,645 | 26,102 | 2,71,088 | 44,098 | ..... | 17,996 | 19,557 | ..... |
| Salt ... | 5,22,128 | 79,990 | 5,85,336 | 99,505 | 1,63,208 | 19,515 | ..... | ..... |
| *Saltpetre and other saline substances—* | | | | | | | | |
| 1.—Saltpetre ... | 33,056 | 14,285 | 45,406 | 25,811 | 10,350 | 11,526 | ..... | ..... |
| 2.—Other saline substances ... | 33,642 | 8,921 | 44,490 | 10,561 | 10,848 | 1,640 | ..... | ..... |
| Silk— | | | | | | | | |
| 1.—*Raw*— | | | | | | | | |
| (a) Foreign ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| (b) Indian ... | 2,109 | 3,388 | 2,251 | 915 | 142 | ..... | ..... | 2,473 |
| 2.—*Piece-goods*— | | | | | | | | |
| (a) Foreign ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| (b) Indian ... | 50 | 104 | 49 | 96 | ..... | ..... | 1 | 8 |
| *Spices—* | | | | | | | | |
| 1.—Betelnuts ... | 17,033 | 13,748 | 16,626 | 12,305 | ..... | ..... | 407 | 1,443 |
| 2.—Cardamoms ... | 870 | 1,033 | 804 | 993 | ..... | ..... | 66 | 40 |
| 3.—Chillies ... | 10,288 | 3,764 | 37,131 | 25,811 | 26,843 | 22,057 | ..... | ..... |
| 4.—Ginger ... | 11,060 | 732 | 3,451 | 2,215 | ..... | 1,483 | 7,709 | ..... |
| 5.—Pepper ... | 2,685 | 2,662 | 5,003 | 5,411 | 2,318 | 2,749 | ..... | ..... |
| 6.—Others ... | 15,463 | 11,388 | 91,998 | 17,319 | 6,535 | 5,931 | ..... | ..... |
| *Sugar—* | | | | | | | | |
| 1.—Refined ... | 73,537 | 28,526 | 1,15,530 | 48,467 | 41,943 | 19,941 | ..... | ..... |
| 2.—Unrefined— | | | | | | | | |
| (a) Sugar ... | 1,46,074 | 39,258 | 2,38,197 | 46,964 | 92,123 | 7,706 | ..... | ..... |
| (b) *Gur, rab*, jaggree, molasses and other saccharine produce ... | 3,90,542 | 57,451 | 6,15,448 | 1,05,333 | 2,24,606 | 47,882 | ..... | ..... |
| *Tea—* | | | | | | | | |
| 1.—Foreign ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2.—Indian ... | 2,399 | 2,087 | 2,623 | 2,217 | 224 | 130 | ..... | ..... |
| Tobacco ... | 33,124 | 16,805 | 47,699 | 26,243 | 14,575 | 9,348 | ..... | ..... |
| Wood— | | | | | | | | |
| 1.—Timber, unwrought ... | 1,34,2[illegible] | 14,468 | 1,50,620 | 18,577 | 16,372 | 4,109 | ..... | ..... |
| 2.—Manufactures ... | [illegible] | 5,310 | 21,478 | 9,198 | 5,956 | 3,888 | ..... | ..... |
| *Wool—* | | | | | | | | |
| 1.—Raw ... | 4,209 | 2,993 | 5,098 | 1,736 | 889 | ..... | ..... | 1,257 |
| 2.—Manufactured— | | | | | | | | |
| (a) Carpets and rugs ... | 943 | 1,200 | 1,136 | 1,223 | 193 | 23 | ..... | ..... |
| (b) Piece-goods, European ... | 532 | 194 | 530 | 16 | ..... | ..... | 192 | 178 |
| (c) Ditto, Indian ... | 498 | 508 | [illegible] | 337 | ..... | ..... | 70 | 171 |
| (d) Other sorts of manufactures ... | 1,412 | 955 | 1,79[illegible] | 1,359 | 383 | 404 | ..... | ..... |
| All other articles of merchandise— | | | | | | | | |
| 1.—Bones ... | 57,790 | 14,2[illegible]6 | 92,524 | 21,876 | 34,734 | 7,610 | ..... | ..... |
| 2.—Firewood ... | 1,32,066 | 6,7[illegible] | 1,66,505 | 9,069 | 34,439 | 2,9[illegible]6 | ..... | ..... |
| 3.—Indigo seed ... | 1,598 | 330 | 7,946 | 1,799 | 6,348 | 1,469 | ..... | ..... |
| 4.—Paints and colours ... | 2,949 | 1,896 | 2,008 | 1,861 | ..... | ..... | 941 | 35 |
| 5.—Seeds other than oilseeds ... | 3,812 | 576 | 7,474 | 1,464 | 3,662 | 588 | ..... | ..... |
| 6.—Others ... | 6,87,308 | 2,42,985 | 9,46,675 | 3,65,996 | 34,58,367 | 1,23,011 | ..... | ..... |
| Total ... | 2,17,98,659 | 38,63,328 | 2,5[illegible],864 | 46,45,756 | 40,[illegible]05 | 7,82,128 | ..... | ..... |
| Military stores ... | 14,041 | 10,583 | 21,01[illegible] | 20,806 | 6,076 | 10,223 | ..... | ..... |
| Coal for railway ... | 14,82,426 | 1,14,198 | 23,01,124 | 1,50,226 | 8,18,698 | 45,028 | ..... | ..... |
| Railway materials ... | 25,77,828 | 81,803 | 24,01,220 | 1,16,7[illegible]1 | ..... | 34,978 | 1,76,608 | ..... |
| Live-stock ... | ..... | 27,655 | ..... | 30,[illegible] | [illegible] | 2,660 | ..... | ..... |
| Total .. | 2,58,73,854 | 40,97,567 | 3,05,90,325 | 99,72[illegible] | [illegible],371 | 8,75,317 | ..... | ..... |

A. J. JAMIESON,

for *Chief Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 12th June 1909.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 29th May 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 550,577 | 4,26,156 0 0 | 73,32,925 0 | 12,22,842 0 0 | 43,472 0 0 | 16,92,470 0 0 | 164,420 | 218,051 | 382,471 |
| Or per mile of railway ... ... | ... | 185 14 5 | ... | 533 7 1 | 18 15 5 | 738 4 11 | ... | ... | ... |
| For previous 20¼ weeks of half-year | 10,773,433 | 93,63,851 0 0 | 14,30,75,616 0 | 2,37,08,660 0 0 | 9,57,468 0 0 | 3,40,29,979 0 0 | 3,388,036 | 4,415,636 | 7,803,672 |
| Total for 21¾ weeks ... | 11,324,010 | 97,90,007 0 0 | 15,04,08,541 0 | 2,49,31,502 0 0 | 10,00,940 0 0 | 3,57,22,449 0 0 | 3,552,456 | 4,633,687 | 8,186,143 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 581,118 | 4,60,577 1 1 | 78,08,072 0 | 11,92,996 10 7 | 37,613 2 0 | 16,91,186 13 8 | 159,531 | 227,495 | 387,029 |
| Per mile of railway corresponding week of previous year ... | ... | 201 6 2 | ... | 521 10 1 | 16 7 2 | 739 7 5 | .. | ... | . |
| Total for corresponding 21¾ weeks of previous year ... ... .. | 12,034,911 | 1,08,48,480 14 2 | 15,94,60,904 10 | 2,52,31,119 15 10 | 8,79,200 9 8 | 3,69,58,801 7 8 | 3,479,371 | 4,946,356 | 8,425,727 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total.... | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·37 | For the month of Jan. ... | 2,312,028 | 20,57,070 | 3,02,[illegible]230 | 49,14,307 | 2,17,919 | 71,89,196 | 3,136 | 1,677,717 | 4 4 7 |
| *2,292·37 | ,, ,, Feb. ... | 2,237,891 | 19,60,811 | 2,76,[illegible],878 | 46,01,553 | 1,90,929 | 67,54,293 | 2,946 | 1,540,808 | 4 6 2 |
| *2,292·37 | ,, ,, March ... | 2,345,663 | 21,85,322 | 3,0[illegible]4,281 | 51,14,443 | 2,19,089 | 75,18,854 | 3,281 | 1,707,506 | 4 6 5 |
| 2,292·37 | First 3 days of April . | 252,176 | 2,09,522 | [illegible],15,490 | 5,15,924 | 17,659 | 7,43,105 | 324 | 170,963 | 4 5 7 |
| 2,292·37 | Week ended 10th ,, ... | 511,002 | 4,59,026 | [illegible]6,35,807 | 12,15,520 | 42,474 | 17,17,020 | 749 | 389,380 | 4 6 7 |
| 2,292·37 | ,, ,, 17th ,, . | 3,789 | 3,90,482 | 67,04,590 | 11,44,882 | 42,474 | 15,80,938 | 692 | 384,025 | 4 2 1 |
| 2,292·37 | ,, ,, 24th ,, ... | 512,998 | 4,09,678 | 73,27,150 | 12,42,948 | 46,525 | 16,99,151 | 741 | 389,318 | 4 5 1 |
| 2,292·37 | ,, ,, 1st May ... | 516,163 | 4,08,6[illegible] | 72,86,010 | 11,86,326 | 46,525 | 16,41,537 | 716 | 393,219 | 4 2 10 |
| 2,292·37 | ,, ,, 8th ,, ... | 545,884 | 4,44,993 | 72,94,673 | 12,20,820 | 43,525 | 17,12,338 | 747 | 386,172 | 4 6 11 |
| 2,292·37 | ,, ,, 15th ,, ... | 523,[illegible] | 4,13,661 | 76,83,784 | 12,95,911 | 46,625 | 17,55,437 | 766 | 380,478 | 4 8 8 |
| 2,292·37 | ,, ,, 22nd ,, ... | 51[illegible],390 | 4,16,287 | 78,31,923 | 12,56,926 | 40,825 | 17,13,118 | 747 | 378,086 | 4 8 6 |
| 2,292·37 | ,, ,, 29th ,, ... | [illegible] | 4,26,156 | 73,32,925 | 12,22,842 | 43,472 | 16,92,470 | 738 | 382,471 | 4 6 10 |
| | Totals up to date ... | 11,324,01[illegible] | 97,90,007 | 15,04,08,541 | 2,49,31,502 | 10,00,940 | 3,57,22,449 | 732 | 8,186,143 | 4 5 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,641 | 20,92,534 | 3,18,38,828 | 50,53,727 | 1,75,350 | 73,21,611 | 3,291 | 1,682,116 | 4 5 8 |
| 2,287·05 | ,, ,, ,, Feb. ... | 2,421,323 | 23,60,586 | 3,03,94,003 | 50,90,001 | 1,81,978 | 76,32,565 | 3,337 | 1,637,207 | 4 10 7 |
| 2,287·05 | ,, ,, ,, March ... | 2,332,316 | 22,44,462 | 3,40,79,290 | 50,91,502 | 1,76,996 | 75,12,960 | 3,285 | 1,744,484 | 4 5 1 |
| 2,287·05 | First 4 days of April ... | 286,277 | 2,73,511 | 41,41,296 | 6,50,511 | 23,568 | 9,47,590 | 414 | 228,941 | 4 2 3 |
| 2,287·05 | Week ended 11th ,, .. | 555,498 | 4,58,863 | 70,20,325 | 11,48,150 | 44,801 | 16,51,814 | 722 | 401,299 | 4 1 10 |
| 2,287·05 | ,, ,, 18th ,, ... | 504,435 | 4,75,874 | 69,77,157 | 11,24,125 | 44,489 | 16,44,489 | 719 | 407,980 | 4 0 6 |
| 2,287·05 | ,, ,, 25th ,, ... | 568,033 | 4,88,960 | 75,13,562 | 11,73,035 | 40,376 | 17,02,371 | 744 | 389,993 | 4 5 10 |
| 2,287·05 | ,, ,, 2nd May ... | 585,952 | 5,15,464 | 71,40,893 | 11,66,724 | 36,721 | 17,18,909 | 752 | 383,342 | 4 7 9 |
| 2,287·05 | ,, ,, 9th ,, ... | 651,106 | 5,20,184 | 77,93,574 | 12,32,859 | 42,015 | 17,95,058 | 785 | 388,204 | 4 10 0 |
| 2,287·05 | ,, ,, 16th ,, ... | 655,222 | 4,81,659 | 79,63,145 | 12,05,762 | 34,871 | 17,22,292 | 754 | 392,534 | 4 6 2 |
| 2,287·05 | ,, ,, 23rd ,, ... | 598,990 | 4,75,806 | 67,89,929 | 11,01,727 | 40,722 | 16,18,255 | 708 | 386,766 | 4 2 11 |
| 2,287·05 | ,, ,, 30th ,, ... | 5,81,118 | 4,60,577 | 78,08,072 | 11,92,997 | 37,613 | 16,91,187 | 739 | 387,029 | 4 5 11 |
| | Totals up to date ... | 12,034,911 | 1,08,48,481 | 15,94,60,904 | 2,52,31,120 | 8,79,200 | 3,69,58,801 | 749 | 8,425,727 | 4 6 2 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 29th May 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 28,214 | 6,005 0 0 | 18,894 0 | 776 0 0 | 44 0 0 | 6,825 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway . | | 270 6 0 | ..... | 34 15 0 | 1 15 8 | 307 1 8 | ... | .. | ..... |
| For previous 20¾ weeks of half-year | 573,327 | 1,36,330 0 0 | 10,65,525 0 | 19,552 0 0 | 298 0 0 | 1,56,180 0 0 | 27,993 | 3,321 | 31,314 |
| Total for 21¾ weeks . | 601,541 | 1,42,335 0 0 | 10,84,419 0 | 20,328 0 0 | 342 0 0 | 1,63,005 0 0 | 29,330 | 3,480 | 32,810 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 23,003 | 5,095 12 1 | 25,806 20 | 731 2 0 | 3 13 3 | 5,830 11 4 | 1,343 | 1[illegible]4 | 1,496 |
| Per mile of railway corresponding week of previous year. | ..... | 229 3 8 | ..... | 32 14 3 | 0 2 0 | 262 1 8 | .. .. | ... | ..... |
| Total for corresponding 21¾ weeks of previous year. | 671,885 | 1,67,586 11 3 | 5,05,169 10 | 17,878 3 0 | 175 13 9 | 1,85,641 12 0 | 30,495 | 3,279 | 33,774 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. ... | 105,932 | 24,217 | 1,08,797 | 1,584 | 27 | 25,828 | 1,163 | 6,612 | 3 13 3 |
| *22·21 | " " Feb. ... | 134,849 | 32,173 | 1,11,002 | 1,018 | 36 | 33,227 | 1,631 | 6,381 | 5 10 11 |
| *22·21 | " " March ... | 114,626 | 27,436 | 1,93,149 | 764 | 195 | 35,395 | 1,594 | 6,710 | 5 4 5 |
| 22·21 | First 3 days of April ... | 12,059 | 3,982 | 10,641 | 481 | 2 | 4,465 | 201 | 640 | 6 15 8 |
| 22·21 | Week ended 10th " ... | 33,624 | 6,847 | 7,293 | 1,173 | 6 | 8,026 | 361 | 1,518 | 5 4 7 |
| 22·21 | " " 17th " . | 47,509 | 13,548 | [illegible],759 | 830 | 6 | 14,384 | 647 | 1,892 | 7 9 7 |
| 22·21 | " " 24th " ... | 27,041 | 6,387 | 2[illegible],415 | 1,073 | 4 | 7,464 | 336 | 1,496 | 4 15 10 |
| 22·21 | " " 1st May ... | 23,494 | 5,040 | 19,[illegible]18 | 773 | 4 | 5,816 | 262 | 1,496 | 3 14 2 |
| 22·21 | " " 8th " .. | 25,857 | 6,648 | 19,[illegible] | 734 | [illegible] | 7,386 | 333 | 1,496 | 4 15 0 |
| 22·21 | " " 15th " .. | 25,997 | 5,016 | 14,203 | 571 | 4 | 6,191 | 279 | 1,496 | 4 2 3 |
| 22·21 | " " 22nd " ... | 21,069 | 4,436 | 14,615 | 562 | 10 | 5,008 | 225 | 1,496 | 3 5 7 |
| 22·21 | " " 29th " .. | 28,214 | 6,005 | 18,894 | 776 | 44 | 6,825 | 307 | 1,496 | 4 9 0 |
| | Totals up to date . | 601,541 | 1,42,335 | 10,84,419 | 20,[illegible] | 342 | 1,63,005 | 345 | 32,810 | 4 15 [illegible] |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·23 | For the month of Jan. ... | 111,387 | 26,544 | 85,503 | 3,136 | 30 | 29,710 | 1,333 | 6,900 | 4 1 11 |
| 22·23 | " " of Feb. ... | 150,095 | 38,193 | 1,33,692 | 4,102 | 33 | 42,328 | 1,904 | 6,768 | 6 4 1 |
| 22·23 | " " of March ... | 149,595 | 57,294 | 1,14,868 | 4,497 | 40 | 41,831 | 1,882 | 6,768 | 6 2 5 |
| 22·23 | First 4 days of April ... | 16,854 | 4,452 | 17,436 | 701 | 5 | 5,158 | 232 | 8,8[illegible] | 6 0 2 |
| 22·23 | Week ended 11th " ... | 43,643 | 12,144 | 24,830 | 1,005 | 11 | 13,160 | 592 | 1,740 | 8 8 9 |
| 22·23 | " " 18th " ... | 49,533 | 14,037 | 18,915 | 630 | 9 | 14,676 | 660 | 1,746 | 8 7 [illegible] |
| 22·23 | " " 25th " ... | 23,086 | 5,310 | 17,109 | 678 | 7 | 6,001 | 270 | 1,496 | 4 0 2 |
| 22·23 | " " 2nd May ... | 23,673 | 5,368 | 18,257 | 732 | 7 | 6,077 | 273 | 1,496 | 4 1 0 |
| 22·23 | " " 9th " ... | 26,949 | 6,955 | 16,749 | 593 | 14 | 7,561 | 340 | 1,496 | 5 0 [illegible] |
| 22·23 | " " 16th " ... | 20,993 | 6,060 | 17,965 | 585 | 4 | 7,546 | 339 | 1,494 | 5 [illegible] |
| 22·23 | " " 23rd " ... | 24,554 | 5,228 | 17,014 | 529 | 13 | 5,762 | 259 | 1,496 | 3 [illegible] 8 |
| 22·23 | " " 30th " ... | 23,003 | 5,096 | 25,806 | 731 | 4 | 5,831 | 262 | 1,496 | 3 11 [illegible] |
| | Totals up to date ... | 671,885 | 1,67,[illegible]87 | 5,05,169 | 17,878 | 176 | 1,85,641 | 387 | 33,774 | 5 7 11 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 29th May 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 31,206 | 19,932 0 0 | 2,44,053 0 | 17,104 0 0 | 14[illegible] 0 | 37,180 0 0 | 12,078 | 4,275 | 16,353 |
| Or per mile of railway ... ... | .. | 122 12 3 | ... | 105 5 6 | [illegible] 14 2 | 228 15 11 | .. | | |
| For previous 20¾ weeks of half-year. | 550,670 | 4,31,249 0 0 | 60,28,098 0 | 4,12,012 0 0 | 1,356 0 0 | 8,44,617 0 0 | 246,627 | 109,844 | 356,471 |
| Total for 21¾ weeks | 581,876 | 4,51,181 0 0 | 62,72,151 0 | 4,29,116 0 0 | 1,500 0 0 | 8,81,797 0 0 | 258,705 | 114,119 | 372,824 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 32,392 | 21,534 13 4 | 2,78,182 30 | 20,532 10 0 | 52 2 9 | 45,119 10 9 | 11,579 | 5,723 | 17,302 |
| Per mile of railway corresponding week of previous year | ... | 151 1 10 | ... | 126 7 5 | 0 5 2 | 277 14 5 | ... | ... | ... |
| Total for corresponding 21¾ weeks of previous year | 642,056 | 4,66,275 5 6 | 60,72,810 10 | 4,42,986 1 10 | 1,183 3 6 | 9,10,444 10 10 | 253,867 | 124,470 | 378,337 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. . | 94,754 | 67,058 | 1[illegible]5,095 | 68,196 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| *162·36 | ,, ,, ,, Feb. ... | 98,785 | 78,959 | 2,05,624 | [illegible] 711 | 190 | 1,57,860 | 972 | 70,571 | 2 3 9 |
| *162·36 | ,, ,, ,, March .. | 146,202 | 123,320 | 17,26,951 | [illegible],538 | 642 | 2,46,520 | 1,518 | 81,475 | 3 0 5 |
| 162·36 | First 3 days of April ... | 13,746 | 10,729 | 1,26,751 | 8,973 | 18 | 19,720 | 121 | 7,539 | 2 9 10 |
| 162·36 | Week ended 10th ,, ... | 31,905 | 24,211 | 2,78,398 | 21,802 | 42 | 46,055 | 284 | 17,485 | 2 10 2 |
| 162·36 | ,, ,, 17th ,, ... | 27,879 | 22,194 | 2,97,365 | 23,019 | 42 | 45,255 | 279 | 17,896 | 2 8 6 |
| 162·36 | ,, ,, 24th ,, ... | 27,548 | 21,271 | 2,87,721 | 19,538 | 38 | 40,847 | 252 | 17,506 | 2 5 4 |
| 162·36 | ,, ,, 1st May ... | 28,524 | 21,489 | 3,24,445 | 20,179 | 38 | 41,706 | 257 | 17,673 | 2 6 0 |
| 162·36 | ,, ,, 8th ,, ... | 27,818 | 20,572 | 2,68,300 | 19,250 | 38 | 39,860 | 246 | 17,408 | 2 4 8 |
| 162·36 | ,, ,, 15th ,, . | 27,430 | 21,041 | 1,9[illegible] | 14,909 | 38 | 36,[illegible]88 | 225 | 17,062 | 2 2 4 |
| 162·36 | ,, ,, 22nd ,, .. | 26,659 | 19,8[illegible]5 | 2,0[illegible]55 | 14,877 | 49 | 34,731 | 214 | 16,608 | 2 1 6 |
| 162·36 | ,, ,, 29th ,, ... | 31,266 | 19,932 | 2,[illegible]053 | 17,104 | 114 | 37,180 | 229 | 16,353 | 2 4 5 |
| | Totals up to date ... | 581,876 | [illegible] | 62,72,151 | 4,29,116 | 1,500 | 8,81,797 | 255 | 372,824 | 2 5 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No of passengers. | Rs. | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of Jan. ... | 106,157 | 69,564 | 11,46,303 | 78,637 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | ,, ,, ,, Feb. ... | 112,856 | 77,399 | 10,88,017 | 81,669 | 211 | 1,59,270 | 981 | 70,056 | 2 4 5 |
| 162·36 | ,, ,, ,, March... | 140,362 | 1,04,561 | 13,10,936 | 99,298 | 254 | 2,04,023 | 1,257 | 77,047 | 2 9 11 |
| 162·36 | First 4 days of April ... | 21,348 | 18,198 | 2,53,382 | 21,036 | 54 | 39,288 | 242 | 10,790 | 3 10 3 |
| 162·36 | Week ended 11th ,, ... | 33,671 | 25,791 | 1,70,713 | 12,077 | 78 | 38,446 | 237 | 18,710 | 2 0 11 |
| 162·36 | ,, ,, 18th ,, ... | 29,327 | 22,672 | 3,06,290 | 24,020 | 39 | 46,731 | 288 | 18,577 | 2 8 8 |
| 162·36 | ,, ,, 25th ,, .. | 29,534 | 24,010 | 3,16,084 | 22,275 | 57 | 46,342 | 285 | 17,561 | 2 10 3 |
| 162·36 | ,, ,, 2nd May ... | 34,400 | 25,614 | 2,52,841 | 19,280 | 52 | 44,946 | 277 | 17,971 | 2 8 0 |
| 162·36 | ,, ,, 9th ,, .. | 38,922 | 30,278 | 2,92,840 | 20,623 | 54 | 50,955 | 314 | 18,824 | 2 11 4 |
| 162·36 | ,, ,, 16th ,, ... | 31,602 | 21,941 | 3,02,426 | 23,862 | 36 | 45,839 | 282 | 17,573 | 2 9 9 |
| 162·36 | ,, ,, 23rd ,, ... | 30,035 | 21,863 | 3,55,029 | 19,115 | 29 | 41,007 | 253 | 17,573 | 2 5 4 |
| 162·36 | ,, ,, 30th ,, ... | 32,292 | 24,535 | 2,78,183 | 20,533 | 52 | 45,120 | 278 | 17,302 | 2 9 9 |
| | Totals up to date .. | 642,056 | 4,66,276 | 60,72,810 | 4,42,986 | 1,183 | 9,10,445 | 260 | 378,337 | 2 6 6 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 29th May 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 69,000 | 44,000 0 0 | 394,500 0 | 44,000 0 0 | 4,500 0 0 | 92,500 0 0 | 15,169 | 19,149 | 34,318 |
| Or per mile of railway ... | 89·84 | 57·29 | 511·67 | 57·07 | 5·84 | 120·20 | 19·75 | 24·84 | 44·59 |
| For previous 21 weeks of half-year ... ... ... ... | 1,485,590 | 9,67,382 0 0 | 7,309,410 0 | 8,68,931 0 0 | 91,816 0 0 | 19,28,129 0 0 | 302,313 | 396,279 | 698,7.2 |
| Total for 22 weeks ... | 1,554,590 | 10,11,382 0 0 | 7,703,910 0 | 9,12,931 0 0 | 96,316 0 0 | 20,20,629 0 0 | 317,512 | 415,528 | 733,040 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 63,417 | 38,313 0 0 | 306,526 0 | 43,088 0 0 | 2,267 0 0 | 83,668 0 0 | 15,754 | 26,664 | 42,398 |
| Per mile of railway corresponding week of previous year ... | 82·57 | 49·89 | 397·57 | 55·89 | 2·94 | 108·72 | 20·49 | 34·58 | 55·07 |
| Total to corresponding date of previous year ... ... .. | 1,481,042 | 9,85,208 0 0 | 6,011,584 0 | 8,42,782 0 0 | 94,789 0 0 | 19,21,770 0 0 | 345,791 | 455,567 | 801,358 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 29th May 1909. | | | Receipts for week ending 30th May 1908. | | | Total receipts from 1st April 1909 to 29th May 1909. | | | Total receipts from 1st April 1908 to 30th May 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 92,500 | 120·20 | 771 | 83,668 | 108·72 | 771 | 7,31,716 | ... | 771 | 7,15,155 | ... | 16,561 | ... .. |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 29th May 1909 on 1,879 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. (c) | Rs. | | (d) | |
| Total traffic for the week on 1,879 miles open .. ... | 377,280 | 1,45,810 | 1,406,870 | 1,9[illegible] | [illegible] | 3,74,120 | 58,739 | 53,3[illegible] | 112,086 |
| Or per mile of railway ... ... | 201·75 | 77·97 | 752·34 | 103·44 | [illegible] | 200·06 | ..... | ..... | ..... |
| For previous 20½ weeks of half-year (e) ... ... ... ... | 6,887,978 | 28,19,678 | 26,069,936 | [illegible]63,099 | 5,[illegible]8,038 | 71,50,810 | 1,170,533 | 1,010,274 | 2,18[illegible],807 |
| Total for 21½ weeks ... ... | 7,265,258 | 29,65,488 | 27,476,806 | [illegible]9,56,539 | 6,02,003 | 75,24,930 | 1,229,269 | 1,063,624 | 2,292,893 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... ... ... ... ... | 433,[illegible] | 1,67,883 | 9[illegible]7 | 1,30,767 | 40,219 | 3,38,839 | 53,168 | (f) 46,407 | 105,575 |
| Per mile of corresponding week of previous year ... ... ... | 241·30 | 93·42 | [illegible]52·54 | 72·77 | 22·40 | 188·59 | .. | ..... | |
| Total to corresponding date of previous year ... ... ... | 7,593,234 | 32,42,578 | 25,966,163 | 33,57,482 | 5,83,016 | 73,83,076 | 1,241,615 | 1,018,662 | 2,260,277 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 2·48 | | 3·63 | ·31 | 3·34 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·84 | | 2·82 | ·3[illegible] | 3·21 | | | |

(a) Decrease under passengers due to heavy traffic last year
(b) Increase chiefly under local and foreign outward.
(c) Decrease mainly under steam boat.
(d) Includes 8,404 miles of ballast trains.
(e) Ditto Audited figures up to February 1909.
(f) Ditto 3,050 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 5th June 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 618,660 | 2,35,120 0 0 | 1,583,370 0 | 1,92,730 0 0 | 19,470 0 0 | 4,47,320 0 0 (d) | 77,084 | (b)42,876 | 119,960 |
| Or per mile of railway ... ... | 413 | 157 0 0 | 1,058 0 | 129 0 0 | (a)2 0 0 | (a)288 0 0 | ... | ... | ... |
| For previous 22 weeks of half-year (c) ... ... ... .. | 9,939,365 | 44,49,199 0 0 | 46,197,399 0 | 54,34,182 0 0 | 7,50,669 0 0 | 1,06,34,050 0 0 | 1,648,926 | 1,152,372 | 2,801,298 |
| Total for 23 weeks ... | 10,558,025 | 46,84,319 0 0 | 47,780,769 0 | 56,26,912 0 0 | 7,70,139 0 0 | 1,10,81,370 0 0 | 1,726,010 | 1,195,248 | 2,921,258 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 569,004 | 2,14,366 0 0 | 1,267,084 0 | 1,64,281 0 0 | 16,916 0 0 | 3,95,563 0 0 | 74,886 | 31,705 | 106,591 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... .. ... | 447 | 168 0 0 | 995 0 | 129 0 0 | 2 0 0 | 309 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 11,510,050 | 49,20,587 0 0 | 44,230,8 3 0 | 50,55,627 0 0 | 8,24,564 0 0 | 1,08,00,778 0 0 | 1,753,226 | 1,056,365 | 2,809,591 |

(a) Excluding steamer earnings, Rs. 16,800.
(b) Excluding ballast train-miles, 9,271.
(c) Audited up to March 1909.
(d) Increase is due to general development of traffic under coaching and goods.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 5th June 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 43,510 | 11,890 0 0 | 25,490 0 | 3,820 0 0 | 550 0 0 | 16,190 0 0 | 5,796 | (a)1,300 | 7,096 |
| Or per mile of railway ... | 506 | 138 0 0 | 448 0 | 44 0 0 | 6 0 0 | 188 0 0 | ... | ... | ... |
| For previous 22 weeks of half-year (b) ... ... . . | 915,753 | 2,72,260 0 0 | 1,531,093 0 | 1,1[illegible],967 0 0 | 7,645 0 0 | 3,07,872 0 0 | 120,782 | 31,848 | 152,630 |
| Total for 23 weeks | 959,263 | 2,84,080 0 0 | 1,559,583 0 | [illegible]1,787 0 0 | 8,195 0 0 | 3,14,062 0 0 | 126,578 | 33,148 | 159,726 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 12,759 | 11,536 [illegible] | 34,962 0 | 3,087 0 0 | 46 0 0 | 14,669 0 0 | 5,656 | 1,327 | 6,983 |
| Per mile of railway corresponding week of previous year | 497 | [illegible] | 407 0 | 36 0 0 | 1 0 0 | 171 0 0 | ... | | ... |
| Total to corresponding date of previous year ... .. | 981,967 | 2,94,7[illegible] | 2,342,478 0 | 1,04,037 0 0 | 6,050 0 0 | 4,64,835 0 0 | 1,28,372 | 40,559 | 168,931 |

(a) Excluding ballast train-miles, 600.
(b) Audited up to March 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ended 5th June 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 1,9[illegible] | 1,750 0 0 | 23,7[illegible]0 0 | 1,670 0 0 | 10 0 0 | 3,430 0 0 | 455 | (a)1,14[illegible] | 1,604 |
| Or per mile of railway | 116 | 52 0 0 | 706 0 | 50 0 0 | . . | 102 0 0 | ... | ... | ... |
| For previous 22 weeks of half-year (b) ... ... ... ... | 1[illegible]057 | 42,158 0 0 | 558,386 0 | 39,025 0 0 | 353 0 0 | 81,536 0 0 | 10,436 | 45,824 | 56,260 |
| Total for 23 Weeks ... | 10[illegible],077 | 43,908 0 0 | 582,106 0 | 40,695 0 0 | 363 0 0 | 84,966 0 0 | 10,891 | 46,973 | 57,864 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 4,55[illegible] | 1,522 0 0 | 33,904 0 | 2,158 0 0 | 8 0 0 | 3,694 0 0 | 455 | 1,105 | 1,560 |
| Per mile of railway corresponding week of previous year | 1[illegible] | 46 0 0 | 1,009 0 | 64 0 0 | ..... | 110 0 0 | ... | | ... |
| Total to corresponding date of previous year ... | 1[illegible],701 | 44,613 0 0 | 591,994 0 | 49,069 [illegible] 0 | 369 0 0 | 85,051 0 0 | 10,251 | 39,513 | 49,764 |

(a) Excluding ballast train-miles, 980.
(b) Audited up to March 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 5th June 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 13,280 | 4,190 0 0 | 22,060 0 | 1,270 0 0 | 21 0 0 | 5,480 0 0 | 2,310 | (a) 384 | 2,694 |
| Or per mile of railway ... ... | 246 | 78 0 0 | 409 0 | 23 0 0 | .. | 101 0 0 | .. | ... | — |
| For previous 22 weeks of half-year (b) ... ... ... ... | 363,314 | 1,01,746 0 0 | 1,142,012 0 | 63,647 0 0 | 527 0 0 | 1,65,920 0 0 | 43,140 | 15,557 | 58,747 |
| Total for 23 weeks . | 376,594 | 1,05,936 0 0 | 1,164,072 0 | 64,917 0 0 | 547 0 0 | 1,71,400 0 0 | 45,500 | 15,941 | 61,441 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 12,937 | 3,928 0 0 | 24,150 0 | 1,115 0 0 | 24 0 0 | 5,367 0 0 | 2,037 | 465 | 2,502 |
| Per mile of railway corresponding week of previous year ... | 240 | 73 0 0 | 447 0 | 26 0 0 | ... | 99 0 0 | .. | ... | ... |
| Total to corresponding date of previous year .. . . | 367,882 | 1,00,152 0 0 | 973,338 0 | (c)68,148 | −7,980 0 0 | 1,66,520 0 0 | 46,877 | 13,540 | 60,417 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to March 1909.
(c) Includes an amount since written back during week ending 20th June 1908.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending [illegible] 1909 ... | Coaching ... | 8,041 0 0 | 18,675 0 0 |
| | Goods ... | 10,537 0 0 | |
| | Other earnings ... | 97 0 0 | |
| Audited earnings for the corresponding period of 1908 .. | Coaching ... | 9,840 0 0 | 20,448 0 0 |
| | Goods ... | 10,502 0 0 | |
| | Other earnings ... | 106 0 0 | |
| | Decrease | — | 1,773 0 0 |
| Receipts per mile for the week ending 5th June 1909 ... | ... | — | 366 2 10 |
| Ditto for the corresponding period of 1908 | ... | .. | 400 15 1 |
| | Decrease | — | 34 12 3 |
| Receipts from 1st January to 5th June 1909 ... | ... | — | 4,01,554 0 0 |
| Ditto for the corresponding period of 1908 .. | ... | ... | 3,98,906 0 0 |
| | [illegible] | ... | 2,648 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 16th June 1909.

REGISTERED No. C 209.]

No. 25 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, JUNE 23, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Resolution on the Annual Report on the Working of the Shipping Offices at Calcutta and at the Ports of Orissa for the year 1908-09 ... ... ... | 911—912 |
| Weather and Crop Report for the week ending the 21st June 1909 ... ... ... ... ... ... | 913—918 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 19th June 1909 ... ... ... ... ... ... ... | 919 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th June 1909 ... | 920—927 |
| Irrigation Operations of Fasl Rabi, 1908-09 ... ... | 928—929 |
| Vital Statistics of Districts and Towns in Bengal for the month of April 1909 ... ... ... .. | 930—932 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th June 1909 | 933 |
| Railway Returns ... ... ... .. ... ... | 934—938 |

## RESOLUTION ON THE ANNUAL REPORT ON THE WORKING OF THE SHIPPING OFFICES AT CALCUTTA AND AT THE PORTS OF ORISSA FOR THE YEAR 1908-09.

No. 1469 Marine.

Government of Bengal,

MARINE DEPARTMENT.

*Dated Calcutta, the 21st June 1909.*

RESOLUTION.

### Annual Report on the Working of the Shipping Offices at Calcutta and at the Ports of Orissa for the year 1908-09.

READ

Letter from the Commissioner of the Orissa Division, No. 2800., dated the 6th May 1909.

Letter from the Shipping Master, Calcutta, No. S.-246, dated the 6th May 1909.

Financial result.

The receipts of the Calcutta Shipping Office during the year 1908-09 amounted to Rs. 85,005, against Rs. 80,453 in the previous year. This shows an increase of Rs. 4,552, which is attributable to increased sums received for shipping and discharging

fees, to sums outstanding for last year, to increased transactions afloat and larger recoveries from masters of vessels on account of fines.

The expenditure was Rs. 45,280 as compared with Rs. 42,112 in the previous year. One of the reasons for the increased expenditure was the revision of the establishment of the Shipping Office, Calcutta.

Administration of Trust Funds.

Four Trust Funds are administered by the Shipping Master, Calcutta. The receipts of the funds amounted to Rs. 70,937 which, with the opening balance of Rs. 13,546, brought the total transactions to Rs. 84,483. The disbursements were Rs. 66,696 leaving a balance of Rs. 14,929 exclusive of a sum of Rs. 2,858 which lapsed to the State.

Seamen shipped and discharged.

The statement below shows the number of seamen shipped and discharged under European and Indian articles at the Shipping Offices, Calcutta and Kidderpore, during the year 1908-09 as compared with the year 1907-08 :—

| | 1907-08. | 1908-09. | Increase. | Decrease. |
|---|---|---|---|---|
| *Shipped.* | | | | |
| European articles ... ... | 581 | 696 | 115 | ... |
| Indian ,, ... ... | 39,775 | 39,344 | ... | 431 |
| *Discharged.* | | | | |
| European articles ... ... | 752 | 804 | 52 | ... |
| Indian ,, ... ... | 34,418 | 34,941 | 523 | ... |

The increase in the shipments and discharges under European articles was due to a certain extent to the preference to [illegible] seamen.

The decrease in the shipment under Indian articles was attributable to a larger number of men having been engaged on Coasting articles.

The increase in the discharges under the Indian articles was accounted for by a larger number of vessels having arrived from outports and discharged their crews at the Shipping Office.

Seamen shipped by Foreign Consuls.

The number of seamen shipped and discharged during the year by Foreign Consuls was respectively 107 and 89.

Repatriation of seamen.

During the year 1908-09, 85 seamen were repatriated under the distressed seamen's Regulations, against 34 in the previous year. The owners of vessels are liable for the expenses incurred under section 34 of the Merchant Shipping Act, 1906.

Seamen's money-orders.

The sum remitted by European seamen to their relatives was Rs 20,955 in the year 1908-09, against Rs. 12,915 in the preceding year. This increase in the value of the money-order was due to a large number of European seamen having been discharged at the port, and taken advantage of the reduction in the Board of Trade commission from 3*d*. to 1*d*. in the pound.

Complaints.

Complaints as regards the quality of provisions on board four vessels were found to be well grounded, and in each case the Port Health Officer condemned the articles of food complained of.

Seamen shipped and discharged at Orissa Ports.

No seamen were shipped or discharged during the year 1908-09 at False Point.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary.*

## WEATHER AND CROP REPORT.

*For the week ending the 21st June 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·03 | 9 | 9 | Weather hot. Transplanting of winter rice and *aus* paddy stopped for want of sufficient rain. Prospects of jute good. Cattle-disease reported from three villages in Jamalpur thana. Stocks of food-grains and fodder and water sufficient. Prices stationary. |
| 2 | BIRBHUM ... | 1·42 | 9 | 9 | Rainfall at Rampur Hât 1·53 inches. Fodder and water sufficient. No cattle-disease. Paddy seedlings thriving. No apprehension of scarcity. |
| 3 | BANKURA ... | 3·14 | 9½ | 9½ | Rainfall at Vishnupur 0·56 inch. Weather seasonable. Transplanting of *aus* paddy going on. No cattle-disease. Fodder and water sufficient Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 2·12 | 9 | 9½ | Rainfall at Contai 0·94, at Tamluk 5·91 and at Ghatal 2·71 inches. Sowing of winter rice continuing. Outturn of tobacco and late cotton not fair in the Tamluk subdivision owing to excessive rain. Fodder and water sufficient. No cattle-disease reported. Common rice selling at 10 seers per rupee at Contai, at 8 seers at Tamluk and at 9 seers at Ghatal. |
| 5 | HOOGHLY ... | 4·33 | 9 | 8 | Weather seasonable. Stocks of food-grains sufficient. Jute plants thriving well. Sowing of paddy seedlings continuing. No likelihood of scarcity. Fodder and water sufficient. No cattle disease. |
| 6 | HOWRAH ... | 5·39 | 9 | 9 | Sowings retarded by heavy rainfall and injury caused to seeds already sown. *Aus* paddy, jute and sugarcane doing fairly well. Condition of agricultural stock fair. Fodder and water sufficient. |
| | 24-PARGANAS | 5·39 | 9½ | 9½ | Weather seasonable. Weeding of jute going on. Common rice selling at 8 seers per rupee at Barasat, at 10½ seers at Basirhat, at 9¾ seers at Diamond Harbour, and at 9 seers at Barrackpore. |
| 8 | NADIA ... | 2·97 | 8½ | 9 5/16 | Rainfall at Ranaghat 1·86, at Kushtia 4·65 at Chuadanga 4·71 and at Meherpur 1·06 inches. Weeding of *aus* paddy and jute continuing. Prospects good. Insect-pests doing damage to *aus* plants in Santipur and Ranaghat thanas. Prices of staple food-grains risen. Stocks of food-grains and fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 1·12 | 8 | 8½ | Weather seasonable. Condition of sugarcane and mulberry favourable at the Lalbagh and Kandi subdivisions. Prospects of standing crops fair at the Sadar and Jangipur subdivisions. *Aus* paddy, *til*, jute and sugarcane partially damaged by recent floods at the Kandi subdivision. Sowing of paddy seedlings commenced at the Lalbagh subdivision. Fodder and water sufficient. Condition of agricultural stock good. Condition of cattle unsatisfactory at Domkal in the Sadar subdivision. |
| 10 | JESSORE ... | 1·67 | 9½ | 9¾ | Rainfall at Jhenidah 5·32, at Magura 3·67, at Narail 5·07 and at Bangaon 5·66 inches. Weather cloudy and rainy. Rainfall general. *Aus* paddy and jute thriving well. Some insects causing damage to *aus* paddy in the Narail and Magura subdivisions. No more rain wanted for the present. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from the Narail and Sadar subdivisions. Condition of agricultural stock good. |
| 11 | KHULNA ... | 7·46 | 10 | 10 | Rainfall at Bagerhat 3·94 and at Satkhira 2·84 inches. Weather cloudy and rainy. Prices of staple food-grains almost stationary. Stocks of food-grains sufficient till the next harvest. No apprehension of famine. Sowings of winter rice still continuing. Prospects of early paddy and jute fair. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 2·44 | 8¾<br>13* | 8¾<br>13* | Weather cloudy and rainy. Sowings of *bhadoi* crops and paddy going on except in some low lands where rain water has collected. Ground too wet yet for sowing. Sugarcane doing well. Food-stocks supplemented by imports. Stray cases of cattle-disease reported from one thana. Fodder and water sufficient. |
| 13 | GAYA ... | 1·00 | 9⅝<br>12 7/16* | 9⅝ †<br>12 9/16* | Weather cloudy. Sowing of *makai* and paddy seedlings continuing. Sugarcane doing well. Cattle-disease in one village in the Nawadah subdivision. Fodder and water for cattle available. |
| 14 | SHAHABAD ... | 3·52 | 8<br>10* | 9<br>14* | Rainfall at Buxar 1·89, at Sasaram 4·29, and at Chabbua 5·04 inches. Sugarcane doing well. Sowing of *bhadoi* crops and paddy in progress. Prices of food-grains stationary. Food-stocks under normal. Condition of agricultural stock fair. Fodder and water sufficient. |
| 15 | SARAN ... | 2·83 | 8½<br>12¼* | 9½<br>12* | Weather cloudy. Rainfall at Siwan 6·70 inches. Sowing of *bhadoi* crops and paddy going on. Sugarcane doing well. Prices of rice slightly rise. Food-stock resources external. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 4·65 | 9<br>14* | 8¾<br>14* | Weather hot and cloudy. Rainfall at Bettiah 6·27 inches. Much needed break in the rainfall for the last two days. Sowing of *bhadoi* crops, *aghani* paddy and jute going on. Agricultural prospects excellent. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 17 | MUZAFFARPUR | 0·03 | 8¾<br>13* | 9<br>13* | Weather hot and sultry. Rainfall at Sitamarhi 10·65 and at Hajipur 2·35 inches. Rainfall general and copious throughout the district. Sowing of *makai* retarded on low lands. Transplantation of paddy commenced in the Hajipur subdivision. Common rice and *makai* selling at 8 and 12½ seers a rupee respectively at Sitamarhi and at 8 and 11 seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported in two thanas. Test-works closed. Number of persons gratuitously relieved and in poor-houses and kitchens on the 17th June 2,605. One poor-house opened in Paru during the week. |
| 18 | DARBHANGA ... | 7·05 | 8<br>12* | 8<br>11½* | Weather hot and at times cloudy. Further general rain received during the week. Prospects much improved by the rain. Transplantation of *marua* and paddy commenced [illegible] places. Food-stocks sufficient. Fodder available. Water scarcity entirely removed. Number of [illegible] on relief-works on the 17th instant—9,559. Number gratuitously relieved—24,550. Prices continuing high. *Makai* selling at 12 seers per rupee at the Sadar subdivision, but dearer in the interior. |
| 19 | MONGHYR ... | 3·10 | 8<br>12* | 8<br>12* | Weather rainy with occasional sunshine. Sowing of *bhadoi* crops and paddy in progress. Prices of staple food-grains stationary. No cattle-disease. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 2·57 | 9<br>14* | 8¼<br>12⅜* | Weather seasonable. Agricultural operations much benefited by the rain of last week, but a break now wanted. Condition of agricultural stock good. Stocks of food-grains sufficient. No cattle-disease reported. Fodder and water sufficient. Prices of staple food-grains stationary. Reports from the Supaul and Madhipura subdivisions not yet received. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 21 | PURNEA ... | 6·45 | 8 | 8 | Weather very hot and sultry. Rainfall at Kishanganj 9·57, at Araria 6·52, and at Forbesganj 6·20 inches. Weeding operations retarded on account of heavy rainfall. Prospects of jute good. Maize, *mung* and *kaunia* partially suffered in Dhamdaha thana on account of heavy floods. Rivers rising. Cattle-disease reported from Gopalpur and Kadwa thanas. Stocks of food-grains sufficient due to imports. 30 persons relieved gratuitously up to the 15th from private funds. Distribution of relief stopped from the 16th instant. Common rice selling at 8 seers per rupee at Araria and Kishanganj. |
| 22 | DARJEELING ... | 0·15 | | 8<br>13* | Rainfall at Siliguri 16·08 inches. Weather seasonable. Hills—Maize, potatoes, *bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Lands being prepared for the transplantation of winter rice. Injury done to jute by the recent heavy rain. Prospects therefore worse. Prices rising. |
| 23 | SONTHAL PARGANAS. | 1·22 | 9<br>11½* | 9<br>12* | Rainfall at Deoghur 2·10, at Godda 2·80, at Jamtara 0·51, at Pakour [illegible] and at Rajmahal 3·62 inches. Sowings of maize somewhat retarded. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Scarcity of paddy seedlings reported from the Godda subdivision. Fodder and water sufficient. Cattle disease reported from Jamtara. |
| 24 | CUTTACK ... | 1·94 | 10½ | 10½ | *Beali* and *saradh* paddy, *mandia*, jute, and *arhar* growing. *Beali* paddy in some places weeded. *Saradh* paddy being transplanted. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 1·85 | | 11½ | Rainfall at Bhadrak 1·32 inches. Weather seasonable. Sowings of *saradh* paddy continuing. *Beali* paddy seedlings, sugarcane and jute thriving. Vegetables doing well. Fodder and water and food-stocks sufficient. Common rice selling at 11 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 1·44 | 15 | 12 | Rainfall at Phulbani 3·45 inches. Weather hot and cloudy. Sowing of crops in progress. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 0·93 | 9 3/16 | 9 13/16 | Rainfall at Khurda 0·80 inch. Weather seasonable. Sugarcane, *beali* and *saradh* paddy thriving well. Cattle-disease in Bhubaneswar *chakla*. Common rice selling at 10½ seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | 0·94 | 11½ | 11½ | Weather cloudy. Sowing of autumn and winter rice, *bhadoi*, *til* and cotton in progress. Condition of standing crops—vegetables good. Rinderpest in Bargarh Tahsil. Fodder and water-supply sufficient. Common rice selling at 12½ seers per rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | 0·12 | 8½ / 11* | 8½ / 11* | Weather hot. Fields being ploughed. Paddy seedlings growing. *Bhadoi* crops being sown. Fodder and water sufficient. |
| 30 | RANCHI ... | 0·97 | 9 | 9 | Weather hot and cloudy. Ploughing and sowing vigorously going on. Cattle-disease reported from five thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | 1·55 | 8⅔ | 8⅔ | Weather cloudy. Sowings of *bhadoi* crops and paddy seedlings commenced. Fodder and water available. Some cattle-disease. 332 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 0·73 | 10 | 10 | Weather seasonable. State of standing crops good. Sowings of autumn rice, *bajra*, *marua*, maize and cotton going on. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 9 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·42 | 9 | 9 | Weather hot. Ploughing of lands and sowing of paddy going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 9 and 11 seers per rupee at Kharsawan and Seraikela, respectively. |
| 34 | COOCH BEHAR | 0·50 | 8 | 8 | Weather hot and cloudy. Transplanting of *haimanti* seedlings continuing. Jute plants thriving well. Prospects of standing crops favourable. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | ..... | ..... | Name of States. — Rainfall in inches.<br>Athgarh ... 3·06<br>Athmallik ... 3·71<br>Baramba ... 2·42<br>Baud ... 2·72<br>Bonai ... 7·00<br>Daspalla ... 1·46<br>Dhenkanal ... 2·31<br>Gangpur ... 12·54<br>Hindol ... 2·25<br>Kalahandi ... 2·81<br>Keonjhar ... 8·28<br>Khandpara ... Good rain for 3 days.<br>Mayurbhanj ... 3·08<br>Narsingpur ... 2·14<br>Nayagarh ... 1·08<br>Nilgiri ... 2·42<br>Pal-Lahara ... 10·25<br>Patna ... 8·68<br>Rairakhol ... 5·00<br>Ranpur ... 5·21<br>Sonpur ... 3·98<br>Talcher ... 3·22<br><br>Good rain during the week. Ploughing of lands and sowing of paddy in full swing in all States. *Kangu*, *gulji* and maize, etc., being sown in some States. Sugarcane which is the only standing crop doing well. Fodder and water sufficient. Price of rice varying from 11 seers in Mayurbhanj and Bonai, and 12 seers in Athgarh, Athmallik, Khandpara, Narsingpur and Pal-Lahara to 17 seers in Patna and 18 seers in Talcher. |

* The figures indicate the price of maize in seers per rupee.
† The report is for the week ending the 23rd June 1909.

GENERAL SUMMARY.—The rainfall during the week was general and was again heavy in the Tirhut Division, as well as in parts of Midnapore, the 24-Parganas, Jessore, Khulna and Cooch Behar. Cultivation and sowings on low lands in Howrah, Patna and Muzaffarpur have been retarded. Transplantation of paddy has commenced in Burdwan, Champaran, Muzaffarpur, Darbhanga, Cuttack, Balasore and Cooch Behar, but it had to be stopped in parts of Burdwan for want of rain. Sowing of autumn crops continues. Jute and sugarcane are doing well. Damage by insect pests to autumn paddy is reported from Nadia and Jessore. Floods have done some injury to jute, sugarcane, *til* and autumn paddy in the Kandi subdivision of Murshidabad and to maize and *mung* in Purnea. The price of common rice has risen in Midnapore, Nadia, Murshidabad, Jessore, Gaya, Shahabad, Saran, Muzaffarpur and Puri, and has fallen in Hooghly, Champaran and Bhagalpur. Rinderpest is prevalent in parts of Sambalpur and cases of cattle-disease are reported from Burdwan, Jessore, Patna, Gaya, Muzaffarpur, Purnea, the Sonthal Parganas, Angul, Puri, Ranchi, Palamau and Manbhum. The fodder and water supply is sufficient throughout the Province. The test-works in Muzaffarpur have been closed. Figures for Bhagalpur have not been received The number of persons on gratuitous relief in Muzffarpur, Darbhanga, Purnea and Palamau was 27,517, and 9,559 persons attended famine relief-works in Darbhanga.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 22nd June 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 19th June 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 19th June 1909. | | | Week ending Saturday, the 20th June 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 367 | 74,860 | 846 | 242 | 25,375 | 392 |
| Jute ... ... | 13 | 4,825* | 53 | 35 | 8,898† | 162 |
| Firewood ... ... | 44 | 2,100 | 820 | 37 | 22,100 | 333 |
| Other articles ... ... | 603 | 2,3[illegible]463 | 2,723 | 460 | 1,76,660 | 2,025 |
| Total ... | 1,027 | 3,68,[illegible]8 | 4,442 | [illegible]74 | 2,33,033 | 2,912 |

* Weight by canal measurement. 5,812½ maund[illegible]
† Ditto ditto, 11,612½

CALCUTTA,
*The 22nd June 1909.*

[illegible] R. SIBET,
for *Und[illegible]y. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan .. | ... | ... | ... | ... | ... | ... | 8 10 | 8 12 | 7 0 | 9 0 | 9 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum .. | 9 0 | 9 12 | 7 8 | ... | ... | .. | 8 4 | 9 0 | 6 12 | 8 4 | 9 0 | 6 12 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura .. | 8 0 | 8 8 | 8 0 | ... | ... | ... | 9 0 | 9 8 | 7 4 | 9 8 | 10 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 9 6 | 10 1 | 6 12 | 10 5 | 10 12 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly - | ... | ... | ... | ... | ... | .. | 7 8 | 7 0 | 6 4 | 8 4 | 8 10 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 6 | Howrah - | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 0 | 9 0 | 8 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | 8 4 | 8 4 | 7 8 | ... | ... | ... | 8 0 | 8 0 | 6 12 | 9 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta - | 8 4 | 8 4 | 7 8 | 12 0 | 12 0 | 11 0 | 7 12 | 7 12 | 6 6 | 10 0 | 10 0 | 8 [illegible] | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia - | 8 0 | 9 14 | 8 4 | 12 8 | 12 8 | 10 12 | 8 [illegible] | 8 0 | 6 0 | 9 2 | 8 10 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 10 0 | 10 8 | 8 0 | 16 0 | 16 0 | 13 0 | 7 0 | 7 0 | 6 0 | 8 4 | 8 12 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore - | 6 8 | 6 8 | [illegible] 14 | 8 0 | 8 0 | 7 [illegible] | 8 4 | 8 8 | 6 10 | 9 2 | 8 14 | 6 15 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna - | ... | ... | .. | .. | ... | ... | 8 8 | 8 8 | 7 0 | 10 0 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 10 4 | 10 4 | 8 12 | [illegible] | 16 0 | 12 8 | 8 10 | 8 8 | 7 4 | 10 0 | 10 0 | 8 8 | 13 4 | ... | 8 0 | ... | ... | ... |
| | 14 | Gaya ... | 9 12 | 9 13 | 7 12 | 14 6 | 14 5 | 10 0 | 8 12 | ... | 6 12 | 10 0 | Rangoon. 9 5 | 7 4 | 13 5 | 13 9 | 9 0 | ... | ... | ... |
| | 15 | Shahabad ... | 10 0 | 10 8 | 8 8 | 13 8 | 14 0 | 12 0 | 9 1 | 9 2 | 7 3 | 9 0 | 9 4 | 8 0 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran .. | 10 0 | 10 0 | [illegible] | 15 0 | 15 0 | [illegible] 0 | 8 0 | 8 8 | 7 0 | 9 8 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 0 | 9 0 | [illegible] 0 | 16 0 | 16 12 | 13 12 | 8 8 | 8 8 | 7 8 | 8 12 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 8 0 | 15 0 | 15 0 | 13 0 | 6 [illegible] | 6 0 | 7 0 | 9 0 | 8 12 | 8 [illegible] | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 12 | 8 8 | 8 12 | 15 6 | 15 6 | 13 3 | 7 2 | [illegible] 11 | 6 9 | 8 0 | 8 8 | [illegible] 4 | ... | ... | ... | ... | ... | ... |

A. In the subdivisions the retail prices of salt per rupee are—Katwa 20 seers; Asansol 20 seers; Kalna 22¾ seers; Raniganj 20 seers.

B. At Rampur Hât the retail price of salt is 22 seers per rupee.

C. At Vishnupur the retail price of salt is 22 seers per rupee.

D. In the subdivisions the retail prices of salt per rupee are—Contai 20 seers; Tamluk 20 seers; Ghatal 22¾ seers.

E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers; Arambagh 16 seers.

F. At Ulubaria the retail price of salt is 20 seers per rupee (panga).

G. In the markets in the interior of the district the retail prices of salt per rupee are—Chotia 20 seers (karkatch); Barasat 16 seers, Baduria 21 5/16 seers; Mograhat 21 seers, Vishnupur 16 seers; Barrackpore report not received.

H. In the subdivisions the retail prices of salt per rupee are—Kushtia 23 seers (panga); Chuadanga 16 seers (karkatch); Meherpur 19¾ seers (karkatch); Ranaghat 20 seers (crushed).

## *Station Bazars of the districts of Bengal on the 15th June 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chholá, Kadalay or Junaga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cadjan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Numbers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 10 8 | 12 0 | 9 4 | ... | ... | ... | 8 8 | 9 0 | 7 8 | A 21 0 | 21 0 | 19 0 | 1 11 0 | Panga. 1 12 0 | 1 12 9 | 1 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 4 | 9 0 | ... | ... | ... | 7 8 | 7 8 | 6 0 | B 20 0 | 20 0 | 16 0 | 1 15 0 | Karkatch. 1 14 0 | 2 4 0 | 2 |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 8 | ... | ... | ... | 8 0 | 8 0 | 7 8 | C 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | ... | ... | ... | 10 0 | 11 12 | 7 0 to 8 0 | ... | ... | ... | 7 0 to 8 0 | 7 0 | 6 8 | D 20 0 / 19 0 | Crushed 20 0 / Bombay 19 0 | 20 0 / 18 8 | 1 12 0 / 1 14 0 | Crushed 1 12 0 / Bombay 1 14 0 | 1 12 0 / 2 0 0 | 4 |
| ... | ... | ... | ... | ... | ... | 8 4 | 8 8 | 8 0 | ... | ... | ... | 7 8 | 7 0 | 6 8 | E 20 0 | 20 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 4 0 | 5 |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 7 0 | F 20 0 | 20 0 | 16 0 | 1 8 0 | 1 8 0 | 2 8 0 | 6 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 | 9 0 | ... | ... | ... | 9 8 | 9 8 | 8 0 | G 24 0 | 24 0 | 21 0 | 1 8 6 | Panga. 1 8 6 | 1 9 0 | 7 |
| ... | ... | ... | 8 4 | 8 8 | 9 0 | 9 8 | 10 8 | 8 8 | 13 0 | 13 0 | 9 0 | 8 4 | 8 4 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 9 2 | ... | ... | ... | 7 0 | 6 12 | 6 8 | H 16 0 | 16 0 | 16 0 | 1 13 0 | Karkatch. 1 14 0 | 1 13 0 | 9 |
| ... | ... | ... | ... | ... | ... | 13 12 | 13 8 | 10 0 | ... | ... | ... | 10 0 | 10 8 | 7 0 | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | 10 |
| ... | ... | ... | ... | ... | ... | 10 0 | 8 8 | 8 11 | ... | ... | ... | 11 4 | 11 0 | 10 0 | J 0 | 21 0 | 20 0 | 1 12 0 | Panga. 1 12 0 | 2 0 0 | 11 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 9 0 | ... | ... | ... | 5 8 | 5 8 | 7 | K 16 0 | 16 0 | 16 0 | 2 0 | 2 0 0 | 2 6 0 | 12 |
| ... | ... | ... | 12 4 | ... | ... | 13 0 | 13 8 | 11 0 | 13 0 | 14 0 | 11 0 | 11 0 | 10 4 | | L 19 0 | 19 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 13 |
| ... | ... | ... | Country 9 4 | 9 4 | 8 0 | 11 12 | 12 5 | 9 8 | 12 5 | 12 9 | 9 0 | 9 12 | 9 | 6 12 | M 21 2 | 21 2 | 19 0 | 1 11 | 1 11 | 2 1 0 | 14 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 10 8 | 14 0 | 14 0 | ... | 10 8 | 8 | 8 8 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | 15 |
| 14 0 | 14 0 | ... | ... | ... | ... | 13 0 | 13 0 | 10 8 | 12 0 | 13 0 | 10 8 | 12 0 | 12 0 | 9 | O 21 12 | 21 0 | 19 0 | 1 14 0 | Panga. 1 14 6 | 2 1 6 | 16 |
| 15 0 | 15 0 | 11 8 | ... | ... | ... | 13 8 | 13 8 | 11 4 | 15 0 | 15 0 | 11 8 | 9 0 | 10 0 | 8 8 | 0 | 19 0 | 17 0 | 2 1 9 | 2 1 9 | 2 4 9 | 17 |
| 15 0 | 15 0 | ... | ... | ... | ... | 12 0 | 12 0 | 10 0 | 13 0 | 11 0 | 10 0 | 9 0 | 10 0 | 9 0 | Q 20 0 | 20 0 | 19 0 | 2 0 0 | 2 0 0 | 2 1 6 | 18 |
| 13 3 | 13 3 | 12 2 | ... | ... | ... | 0 | 12 1 | 11 0 | 12 0 | 3 | 12 0 | 8 12 | 8 12 | 8 12 | R 19 12 | 19 12 | 19 12 | 2 0 | 2 0 3 | 2 0 5 | 19 |

I. In the subdivisions the retail prices of salt per rupee are—Lalbagh 20 seers; Kandi 20 seers and Jangipur 23 seers (karkatch).
J. In the subdivisions the retail prices of salt per rupee are—Jhenida 18¾ seers; Magura 16 seers; Bangaon 21 seers, and Narail 14 seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. In the subdivisions the retail prices of salt per rupee are—Dinapore 17 seers; Barh and Bihar reports not received.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah and Jehanabad reports not received.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua report not received; and Sasaram 20 seers.
O. In the subdivisions the retail prices of salt per rupee are—Siwan 20 7/10 seers (panga); Gopalganj 19¾ seers (panga).
P. At Bettiah the retail price of salt is 19 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 20 seers; Hajipur 20 seers.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 20 seers; Madhubani 19¼ seers.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters.*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr* | ... | 10 8 | 9 8 | ... | 14 8 | 13 0 | ... | ... | 7 4 | ... | 8 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur | 8 14 | 9 0 | 8 14 | 13 14 | 13 14 | 12 10 | 7 4 | 7 4 | 7 9 | 8 3 | 8 4 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 0 | 8 0 | 9 8 | ... | ... | ... | 7 0 | 7 0 | 7 8 | 8 0 | 8 0 | 8 8 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling .. | 6 0 | 6 0 | 6 0 | 8 0 | 8 0 | 6 8 | 4 0 | 4 0 | 6 0 to 7 0 | 6 0 | 6 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 24 | Sonthal Parganas. | 8 4 | 8 8 | 6 8 | 14 0 | 11 0 | 9 0 | 9 4 | 3 9 | 6 8 | 9 0 | 9 10 | 7 4 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 6 | 6 0 | 7 14 | ... | ... | ... | Not reported. | 10 8 | 7 [illegible] | 10 [illegible] | 10 8 | 7 14 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore .. | 8 4 | 7 0 | 6 10 | ... | ... | ... | 10 8 | 10 12 | 7 0 | 11 8 | 11 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | 5 0 | 5 0 | 5 0 | ... | .. | ... | 15 0 | 15 0 | 6 0 | 15 0 | 15 0 | 6 0 | ... | — | ... | ... | ... | ... |
| | 28 | Puri ... | 8 8 | 8 13 | 7 14 | ... | ... | ... | 9 3 | 13 | 6 9 | 10 8 | 10 8 | 6 14 | ... | ... | — | — | — | ... |
| | 29 | Sambalpur... | 8 4 | 9 0 | 8 0 | ... | ... | ... | 10 [illegible] | 11 4 | 8 0 | 11 8 | 12 0 | 9 0 | ... | ... | — | ... | ... | ... |
| CHOTA NAGPUR. | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 0 | 7 0 | [illegible] | 13 0 | 9 0 | 8 8 | 8 0 | 6 8 | 9 0 | 8 8 | 7 8 | ... | — | — | ... | ... | — |
| | 31 | Ranchi ... | 8 0 to 8 8 | 7 12 to 8 0 | 7 [illegible] to 7 8 | [illegible] 12 0 | 12 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 0 | 10 0 | 8 0 | ... | — | ... | — | ... | — |
| | 32 | Palamau ... | 9 0 | 9 0 | 7 5 | Not reported. | [illegible] 8 | 11 4 | 7 5 | 6 3 | 7 5 | 8 7 | 9 9 | 8 8 | ... | — | ... | ... | — | — |
| | 33 | Manbhum .. | 8 4 | 8 0 | 7 0 | 11 0 | 10 0 | 8 0 | 9 0 | 9 0 | 7 0 | 10 0 | 10 8 | 7 8 | ... | ... | ... | 11 8 | 10 0 | — |
| | 34 | Singhbhum | 8 0 | 8 0 | 7 4 | ... | — | ... | 7 0 | 7 8 | 6 0 | 9 0 | 9 8 | 7 0 | ... | — | ... | — | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai report not received ; Jamui report not received.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers ; Madhipura 13 seers ; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers ; Basantpur 16 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong 16 seers ; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers ; Deoghur 20 seers ; Pakour 20 seers ; Rajmahal 20 seers ; and Jamtara 18 seers.

* Report not received.

CALCUTTA,
*The 22nd June 1909.*

***Station Bazars of the districts of Bengal on the 15th June 1909*—concld.**

| SEERS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADA[illegible] OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dal*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| — | ... | ... | ... | .. | .. | ... | 12 8 | 10 8 | ... | ... | ... | ... | 9 12 | 8 12 | S 20 0 | 20 0 | 18 12 | ... | Panga. 12 0 0 | 12 4 0 | | | | 20 |
| — | ... | ... | | .. | ... | 11 6 | 11 8 | 9 8 | 12 10 | 12 10 | 11 6 | 8 11 | 9 0 | 8 3 | T 20 0 | 20 0 | 18 12 | 2 0 0 | Panga. 2 0 0 | 1 15 3 | | | | 21 |
| ... | ... | ... | ... | ... | ... | 9 0 | 8 12 | 8 8 | 13 8 | 13 8 | ... | 7 8 | 7 8 | 6 8 | U 16 0 | 16 0 | 13 0 | 2 8 0 | Panga. 2 8 0 | 3 1 3 | | | | 22 |
| 13 0 | 13 0 | 11 4 | ... | ... | ... | 8 0 | 8 0 | 8 0 | 14 0 | 14 0 | 10 0 | 5 8 | 5 8 | 5 4 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | | | | 23 |
| ... | ... | — | — | .. | ... | 10 8 | 10 8 | 9 0 | 13 8 | 13 4 | 9 0 | 8 0 | 8 0 | 6 0 | W 18 0 | 18 0 | 16 0 | 2 3 6 | Karkatch. 2 3 6 | 2 8 0 | | | | 24 |
| ... | ... | ... | — | .. | ... | 9 8 | Biri or [illegible]. 13 7 | 9 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 13 0 | Karkatch. 1 13 0 | 1 13 0 | | | | 25 |
| ... | ... | ... | — | ... | — | 11 0 / 11 0 | Chhola. 10 0 / Biri. 10 8 | 8 0 / 9 0 | ... | ... | ... | 7 0 | 6 12 | 6 0 | Y 21 0 | 21 4 | 20 0 | 1 14 0 | Panga. 1 14 0 | 1 14 0 | | | | 26 |
| ... | ... | ... | .. | . | . | 9 0 | Bir. 9 0 | 8 0 | ... | ... | ... | 13 0 | 13 0 | 8 0 | Z 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 6 0 | | | | 27 |
| ... | ... | ... | .. | ... | ... | 11 7 | Biri. 10 13 | 9 13 | ... | . | ... | 7 8 | 6 14 | 6 3 | a 26 0 | 26 0 | 24 8 | 1 8 0 | Karkatch. 1 9 0 | 1 10 0 | | | | 28 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 8 0 | ... | .. | ... | 7 0 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | | | | 29 |
| 14 0 | 14 8 | 9 0 | ... | ... | ... | 11 0 | 10 12 | 8 4 | 11 0 | 11 0 | 8 4 | 8 0 | 8 0 | 6 [illegible] | [illegible] | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 8 0 | | | | 30 |
| 16 0 | 16 0 | 10 0 | ... | ... | ... | 10 8 | 10 8 | 8 0 | 11 8 | 11 0 | 8 0 | 6 0 to 8 0 | 6 12 to 8 0 | 5 [illegible] | [illegible] 8 0 | 17 8 | 18 0 | 2 4 0 | Panga. 2 4 0 | 2 5 0 | | | | 31 |
| ... | ... | ... | ... | ... | — | 11 13 | 11 4 | 9 7 | ... | 9 0 | 9 0 | 9 0 | 9 0 | 7 5 | 18 9 | 18 9 | 16 9 | ... | ... | ... | | | | 32 |
| — | — | ... | — | ... | ... | 9 12 | 9 8 | 8 8 | 8 0 | ... | 10 0 | 8 8 | [illegible] 0 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 0 0 | Panga. 2 1 0 | 2 4 0 | | | | 33 |
| ... | ... | ... | — | ... | — | 10 0 | 9 0 | 8 4 | ... | ... | ... | 8 [illegible] | 8 0 | 6 [illegible] | [illegible] | 16 0 | 16 0 | 2 1 0 | 2 0 0 | 2 8 0 | | | | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga); Jajpur report not received.
Y. The retail price of salt at Bhadrak is 18 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bantla 16 seers (karkatch); Phulbani 13½ seers.
a. The retail price of salt per rupee at Khurda is 24 seers
b. The retail price of salt per rupee at Burgarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbaid report not received; Jhalda 16 seers.

Published for general information.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common Rice. Average. | | | Common Rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 14 0 | 6 14 0 | 7 0 0 | 5 2 0 | 5 2 0 | 6 0 0 | 3 14 0 | 3 12 0 | 4 12 0 | 4 8 0 | 4 8 0 | 5 0 0 |
| 2 | Burdwan .. | 5 4 0 | 5 4 0 | 6 5 0 | 4 13 0 | 4 12 0 | 5 10 0 | 4 8 0 | 4 8 0 | 5 4 0 | ... | ... | ... |
| 3 | Midnapore ... | Not reported. | 4 14 0 | 6 10 0 | 4 4 0 | 4 0 0 to 4 2 0 | 5 12 0 | 3 11 0 | 3 10 0 | 5 2 0 | ... | ... | ... |
| 4 | Patna .. | 7 4 0 | 7 4 0 | 9 0 0 | 4 8 0 | 4 15 0 | 5 [illegible] 0 | 3 12 0 | 3 15 0 | 4 10 0 | 3 12 0 | 3 13 6 | 4 8 0 |
| 5 | Muzaffarpur | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 5 11 [illegible] | 4 7 [illegible] | 4 7 9 | 4 10 6 | 4 7 0 | 4 7 0 | 4 10 6 |
| 6 | Bhagalpur .. | 6 6 0 | 6 6 0 | 6 5 0 | 5 10 0 | 5 7 0 | 5 5 0 | 4 14 0 | 4 13 0 | 4 14 0 | 4 8 0 | 4 4 0 | 4 8 0 |
| 7 | Cuttack | 6 1 6 | 7 3 0 | 7 3 0 | 3 12 11 | 3 12 11 | 5 5 4 | 3 12 11 | 3 12 11 | 5 1 3 | 4 6 0 | 6 10 8 | 5 1 3 |
| 8 | Sambalpur . | 5 15 0 | 5 15 0 | 6 0 0 | 3 10 6 | 3 5 3 | 4 11 0 | 3 5 3 | 3 4 0 | 4 3 0 | 4 4 6 | 4 5 0 | 4 14 0 |
| 9 | Ranchi ... | 5 12 0 | 5 5 0 | 8 0 0 | 4 6 0 | 4 6 0 | 6 5 0 | 4 0 0 | 4 0 0 | 5 0 0 | 4 12 0 to 5 0 0 | 5 0 0 to 5 2 0 | 5 5 0 to 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 3 0 0 | 3 0 0 | 4 4 0 | 4 8 0 | 4 8 0 | 5 8 0 | 5 6 0 | 5 6 0 | 5 12 0 | 4 8 0 | 4 8 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 12 0 | 4 8 0 | 5 5 0 | ... | ... | ... | 5 0 0 | 5 2 0 | 6 8 0 |
| 3 | Midnapore ... | ... | ... | ... | 4 8 0 to 5 0 0 | 5 4 0 | 5 12 0 | 4 14 0 | 4 14 0 | 5 4 0 | Black mustard. 5 8 0 / Rapeseed. 4 11 0 | 5 8 0 / 4 14 0 | 7 2 0 / 6 14 0 |
| 4 | Patna ... | 3 1 0 | 2 13 0 | 3 10 0 | 3 9 0 | 3 13 6 | 4 10 0 | 5 10 0 | 5 0 0 | 5 10 0 | 5 0 0 | 4 12 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 3 1 3 | 2 13 0 | 4 0 0 | 4 7 0 | 4 0 0 | 4 7 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 3 2 6 | 3 2 6 | 3 8 6 | 4 8 0 | 4 7 0 | 4 14 0 | 5 7 0 | 5 10 0 | 5 13 0 | Rapeseed 4 10 0 / Mustard. 4 4 0 | 4 7 0 / 4 3 0 | 6 3 6 / 6 1 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 8 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 7 4 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 0 0 to 6 0 0 | 5 0 0 to 6 0 0 | 5 12 0 to 8 0 0 | 6 8 0 | 5 10 0 | 10 0 0 | 5 0 0 to 5 5 0 | 5 8 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th June 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 0 0 | 3 0 0 | 3 8 0 | ... | ... | ... | ... | ... | ... | ... | — | — | 3 10 0 | 3 8 0 | 4 8 0 | 1 |
| — | — | — | — | ... | — | ... | — | ... | ... | ... | ... | 3 2 0 | 3 5 0 | 4 8 0 | 2 |
| ... | ... | .. | — | ... | — | ... | ... | ... | — | ... | . | 3 3 0 to 3 8 0 | 3 4 0 to 3 8 0 | 4 12 0 to 5 0 0 | 3 |
| 2 10 0 | 2 7 0 | 3 2 0 | ... | ... | 4 14 0 | .. | ... | ... | ... | ... | ... | 3 1 0 | 2 14 6 | 3 9 0 | 4 |
| 2 10 6 | 2 10 6 | 3 1 3 | — | .. | — | ... | — | ... | 2 10 6 | 2 10 6 | ... | 3 5 3 | 3 5 3 | 4 0 0 | 5 |
| 3 2 6 | 2 14 0 | 3 2 6 | ... | ... | — | ... | ... | — | — | .. | ... | 3 8 0 | 3 8 0 | 4 3 6 | 6 |
| — | — | . | ... | ... | — | ... | ... | .. | — | ... | ... | Biri or k dai. 4 3 9 | 3 3 5 | 4 5 7 | 7 |
| ... | — | — | — | — | ... | — | — | — | ... | — | ... | 3 7 6 | 3 7 6 | 4 12 0 | 8 |
| 3 5 0 | 3 4 0 | 5 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 12 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cl[illegible]). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 6 0 | 5 6 0 | 7 0 0 | [illegible] 8 0 | 5 8 0 | 5 8 0 | 18 8 0 | [illegible] 0 0 | 18 0 0 | 5 0 0 | 5 4 0 | 5 8 0 | 1 |
| ... | ... | — | 9 0 0 | 8 8 0 | 5 4 0 | ... | ... | ... | — | ... | ... | 2 |
| ... | ... | — | 7 12 0 to 8 0 0 | 7 8 0 to 7 12 0 | 5 0 0 to 5 6 0 | 20 0 0 to 24 0 0 | 20 0 0 to 24 0 0 | [illegible] 0 0 to 24 0 0 | — | — | — | 3 |
| 5 0 0 | 5 0 0 | 7 0 0 | 5 0 0 to 5 12 0 | 5 0 0 to 5 8 0 | 5 8 0 | 18 8 0 | 18 8 0 | 16 0 0 to 19 0 0 | ... | ... | 3 0 0 to 5 0 0 | 4 |
| ... | ... | ... | [illegible] 11 6 | 5 11 6 | 3 [illegible] 3 | — | ... | — | ... | ... | ... | 5 |
| ... | — | ... | 4 10 0 | 4 12 0 | 4 8 0 | 21 0 0 | 21 0 0 | 20 0 0 | ... | — | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | — | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 0 0 | 6 0 0 | 5 8 0 | ... | ... | ... | Kauria. 4 8 0 | 4 8 0 | 4 12 0 | 8 |
| ... | ... | ... | 6 8 0 | 6 0 0 | 5 12 0 | 23 0 0 | 20 0 0 | 23 0 0 | ... | — | — | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | Per 100 pieces. | |
| 1 | Calcutta ... | 38 8 0 | 39 0 0 | 43 0 0 | 8 4 0 | 8 0 0 | 8 0 0 | 395 0 0 | 380 0 0 | 400 0 0 |
| 2 | Burdwan ... | 36 0 0 | 35 0 0 | 40 0 0 | ... | ... | ... | ... | ... | ... |
| | | | | | | Madhukhali. | | | Uncleaned per piece. | |
| 3 | Midnapore ... | 36 0 0 to 39 0 0 | 37 0 0 to 40 0 0 | 37 0 0 to 39 0 0 | 12 8 0 | 9 8 0 | 9 12 0 | 2 8 0 to 3 4 0 | 2 8 0 to 3 4 0 | 2 4 0 to 3 0 0 |
| | | | | | 13 12 0 to 14 0 0 | Falta. 11 8 0 | 11 12 0 | Cleaned per piece. 2 12 0 to 3 8 0 | 2 12 0 to 3 8 0 | 2 8 0 to 3 4 0 |
| | | | | | | Douji. | | | | |
| 4 | Patna ... | 34 0 0 to 35 0 0 | 30 0 0 to 33 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 1 12 0 to 4 0 0 | ... | ... | 30 0 0 to 33 0 0 |
| 5 | Muzaffarpur ... | 30 7 6 | 30 7 6 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | ... | — |
| 6 | Bhagalpur ... | 34 0 0 | 34 0 0 | 42 0 0 | 12 0 0 | 12 8 0 | 10 0 0 | .. | .. | ... |
| 7 | Cuttack ... | 45 11 6 | 41 14 5 | 47 9 0 | 6 4 0 | [illegible] | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 35 4 0 | 36 4 0 to 37 8 0 | 39 0 0 | 18 0 0 | 18 0 0 | 16 0 0 | 30 0 0 | 40 0 0 | 40 0 0 |
| | | | | | | | | | Per lb. | Per piece. |
| 9 | Ranchi ... | 36 0 0 | 35 8 0 | 42 8 0 | 8 0 0 to 13 0 0 | 8 0 0 to 16 0 0 | 10 0 0 to 16 0 0 | 0 8 0 | 0 8 0 | 3 0 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | Panga. | | | | |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 1 14 0 | 1 12 0 | ... |
| | | | | | | | | | Panga. | | | | |
| 2 | Burdwan ... | ... | ... | ... | 0 9 6 | 0 9 0 | 0 9 0 | 1 11 0 | 1 12 0 | 1 12 0 | ... | ... | ... |
| | | | | | | | | | Crushed. | | | | |
| 3 | Midnapore ... | 2 0 0 to 4 0 0 | 2 0 0 to 4 0 0 | 2 8 0 to 5 0 0 | 0 6 0 | 0 5 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | ... | ... | ... |
| | | | | | | | | | Bombay. | | | | |
| | | | | | | | | 1 14 0 | 1 14 0 | 1 12 0 | | | |
| | | | | | | | | | Panga. | | | | |
| 4 | Patna ... | 2 4 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 6 6 | 0 7 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 2 0 | 1 2 0 | ... |
| | | | | | | | | | Panga. | | | | |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 8 0 0 | 0 5 3 | 0 5 3 | 0 8 0 | 2 0 0 | 2 0 0 | 2 1 6 | 1 0 0 | 0 10 6 | ... |
| | | | | | | | | | Panga. | | | | |
| 6 | Bhagalpur ... | 5 0 0 | 5 0 0 | 5 0 0 | 0 5 3 | 0 5 6 | 0 6 0 | 2 0 0 | 2 0 0 | 1 15 3 | 0 12 0 | 0 10 0 | ... |
| | | | | | | | | | Karkatch. | | | | |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... |
| | | | | | | | | | Karkatch. | | | | |
| 8 | Sambalpur ... | ... | ... | ... | 0 4 0 | 0 4 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... |
| | | | | | | | | | Panga. | | | | |
| 9 | Ranchi ... | 8 0 0 | 8 0 0 | 6 0 0 | 0 4 6 | 0 4 6 | 0 5 3 | 2 4 0 | 2 4 0 | 2 5 0 | 2 8 0 | 2 8 0 | — |

CALCUTTA,
*The 19th June 1909.*

*the undermentioned Marts of Bengal on the 15th June 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| | Per md. | | | Per md. | | | | | | |
| 1 8 0 | 1 8 0 | 1 6 0 | 1 0 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 8 0 | 0 6 0 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | — | ... | 0 8 0 | 0 8 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | 0 10 0 | ... | 1 0 0 | 0 10 0 | .. | ... | ... | Patna ... | 4 |
| — | ... | — | — | ... | ... | — | — | — | Muzaffarpur ... | 5 |
| ... | .. | — | | | | .. | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | .. | . | . | ... | ... | — | — | Sambalpur ... | 8 |
| 9 0 0 | 0 10 0 | 0 12 0 | 0 13 0 | 0 14 0 | 1 6 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| | | | | | | Per tin. (Elephant brand.) | | | | |
| 2 8 0 | 2 9 0 | ... | 3 8 0 | 3 8 0 | ... | 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| | | | | | | Per [illegible] (Bull brand.) | | | | |
| 3 8 0 | 3 5 0 | ... | ... | ... | ... | 1 15 6 | [illegible] 6 | ... | Burdwan ... | 2 |
| | | | | | | Per tin. ([illegible]ant brand.) | | | | |
| 0 12 0 | 0 12 0 | ... | 4 8 0 | 4 8 0 | ... | 1 14 0 | [illegible] 0 3 | ... | Midnapore ... | 3 |
| | | | | | | Per tin. | | | | |
| 2 2 0 | 2 2 0 | ... | ... | ... | ... | 1 13 0 to 2 1 0 | 1 13 6 to 1 15 0 | (Victoria brand.) (Elephant brand.) | Patna ... | 4 |
| | | | | | | Per tin. (Victoria brand.) | | | | |
| 3 1 3 | 3 1 3 | ... | 3 10 0 | 3 10 0 | ... | 2 0 0 | 1 8 0 | ... | Muzaffarpur ... | 5 |
| | | | | | | Per tin. | | | | |
| 2 0 0 | 2 0 0 | ... | 3 4 6 | 3 4 0 | ... | 1 5 0 to 3 4 0 | 1 5 0 to 3 4 0 | (Swan brand.) (Snowflake brand.) | Bhagalpur ... | 6 |
| | | | | | | Per tin. | | | | |
| 0 10 0 | 0 10 0 | ... | 5 1 4 | 5 1 [illegible] | ... | 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| | | | | | | Per tin. | | | | |
| ... | ... | ... | ... | ... | ... | 1 12 0 to 3 7 0 | 1 8 6 to 3 7 0 | (Victoria brand.) (Snowflake brand.) | Sambalpur ... | 8 |
| | | | | | | Per tin. | | | | |
| 3 0 0 | 3 0 0 | ... | 4 8 0 | 4 8 0 | ... | 1 13 0 to 3 8 0 | 1 14 0 to 3 8 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

No. II—RABI STATEMENT.

# GOVERNMENT OF BENGAL—IRRIGATION DEPARTMENT.

## IRRIGATION OPERATION OF FASL RABI, 1908-09.

*Statement in acres of crops irrigated in Canal Districts.*

| NATURE OF CROPS. | Cuttack. | Balasore. | Midnapore. | Burdwan. | Hooghly. | Gaya. | Patna. | Shahabad. | Saran. | Champaran. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. |
| Garden and orchards ... | 37 | 9 | ... | 1* | 7* | 11 | 6 | 51 | Canals closed. | ... | 122 |
| Sugarcane ... ... | ... | ... | ... | ... | ... | 1,356 | 4,780 | 20,519 | | 1 | 26,656 |
| Cereals— | | | | | | | | | | | |
| Wheat ... ... | ... | ... | ... | ... | ... | 1,576 | 780 | 40,809 | | 503 | 43,668 |
| Barley ... ... | ... | ... | ... | ... | ... | 1,591 | 3,356 | 17,074 | | 1,587 | 23,608 |
| Rice ... ... | 8,625 | 130 | 283 | ... | ... | 119 | 485 | 2,417 | | ... | 12,059 |
| Cheena ... ... | ... | ... | ... | ... | ... | ... | ... | .. | | 4 | 4 |
| Miscellaneous .. | 28 | ... | ... | ... | ... | 4,623 | 4,922 | 36,210 | | ... | 45,783 |
| Pulses— | | | | | | | | | | | |
| Gram, &c. ... | ... | ... | ... | ... | ... | 980 | 4,081 | 17,104 | | 518 | 22,683 |
| Peas ... ... | ... | ... | ... | | .. | ... | ... | ... | | 474 | 474 |
| Miscellaneous ... | ... | ... | ... | ... | ... | 1,416 | 6,179 | 23,442 | | 1,151 | 32,188 |
| Fodder crops—Grass, lucerne | ... | ... | ... | ... | ... | 2 | 37 | 100 | | ... | 139 |
| Fibres—Cotton ... | ... | ... | ... | ... | ... | ... | ... | 1 | | ... | 1 |
| Dyes— | | | | | | | | | | | |
| Indigo ... ... | ... | ... | ... | ... | ... | 4 | ... | ... | | 199 | 203 |
| Turmeric, etc. ... | ... | ... | ... | ... | ... | | ... | ... | | ... | ... |
| Drugs— | | | | | | | | | | | |
| Opium ... ... | ... | ... | ... | ... | ... | 67 | 367 | 214 | | 1,703 | 2,751 |
| Tobacco, etc. ... | 15 | ... | ... | ... | ... | | ... | ... | | 1 | 16 |
| Oil-seeds— | | | | | | | | | | | |
| Mustard, etc. .. | ... | ... | ... | ... | ... | 393 | 456 | 776 | | 339 | 1,964 |
| Castor ... ... | ... | ... | ... | ... | ... | ... | ... | | | ... | ... |
| Miscellaneous ... | ... | ... | ... | ... | ... | 248 | 349 | 2,236 | | 13 | 2,846 |
| Total rabi, 1908-09† ... | 8,705 | 139 | 283 | 1 | 7 | 12,786 | 25,798 | 160,953 | ... | 6,493 | 215,165 |
| Ditto, 1907-08‡ ... | 10,873 | 1,684 | 971 | 5 | 10 | 15,050 | 16,203 | 174,213 | ... | 6,634 | 225,643 |
| Average for 5 years ending 1907-08. | 5,987 | 405 | 294 | 129 | 67 | 9,030 | 10,171 | 109,013 | 148 | 2,525 | 137,769 |

* Potatoes.
† Approximate figures.
‡ Actual figures.

CALCUTTA,
*The 21st June 1909.*

T. BUTLER,
*Secretary to the Government of Bengal.*

No. II—ANNUAL STATEMENT.

# GOVERNMENT OF BENGAL—IRRIGATION DEPARTMENT.

## IRRIGATION OPERATIONS FOR THE YEAR 1908-09.

*Statement in acres of crops irrigated in Canal Districts.*

| NATURE OF CROPS. | Cuttack. | Balasore. | Midnapore. | Burdwan. | Hooghly. | Gaya. | Patna. | Shahabad. | Saran. | Champaran. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. |
| Garden and orchards ... | 37 | 18 | ... | 1* | 7* | 11 | 6 | 72 | Canal closed. | ... | 152 |
| Sugarcane ... ... | 47 | 492 | ... | ... | ... | 3,189 | 8,648 | 40,953 | | 59 | 53,388 |
| Cereals— | | | | | | | | | | | |
| Wheat ... ... | ... | ... | ... | ... | ... | 1,576 | 780 | 40,809 | | 503 | 43,668 |
| Barley ... ... | ... | ... | ... | ... | ... | 1,591 | 3,356 | 17,074 | | 1,587 | 23,608 |
| Rice ... ... | 237,733 | 46,010 | 64,069 | 16,384 | 4,224 | 65,[illegible]1 | 45,776 | 299,173 | | 12,705 | 791,665 |
| Cheena ... ... | ... | ... | ... | ... | ... | ... | ... | ... | | 26 | 26 |
| Miscellaneous ... | 28 | ... | ... | ... | ... | 4,[illegible]23 | 5,781 | 37,666 | | [illegible] | 48,142 |
| Pulses— | | | | | | | | | | | |
| Gram, &c. ... | ... | ... | ... | ... | ... | 980 | 4,081 | 17,104 | | 518 | 22,683 |
| Peas ... ... | ... | ... | ... | ... | ... | ... | ... | ... | | 474 | 474 |
| Miscellaneous ... | ... | ... | ... | ... | ... | 1,416 | 6,179 | 23,442 | | 1,151 | 32,188 |
| Fodder crops—Grass, lucerne | ... | ... | ... | ... | ... | 2 | 37 | 100 | | ... | 139 |
| Fibres—Cotton. | ... | ... | ... | ... | ... | ... | ... | 1 | | ... | 1 |
| Dyes— | | | | | | | | | | | |
| Indigo ... | ... | ... | ... | ... | ... | 4 | ... | 105 | | 335 | 444 |
| Turmeric, &c. ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... |
| Drugs— | | | | | | | | | | | |
| Opium ... ... | ... | ... | ... | ... | ... | 467 | 367 | 214 | | 1,703 | 2,751 |
| Tobacco, &c. ... | 15 | ... | ... | ... | ... | ... | ... | ... | | 1 | 16 |
| Oil-seeds— | | | | | | | | | | | |
| Mustard, &c. ... | ... | ... | ... | ... | ... | 393 | 456 | 776 | | 339 | 1,964 |
| Castor ... ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... |
| Miscellaneous ... | ... | ... | ... | ... | ... | 248 | 349 | 2,236 | | 13 | 2,846 |
| Total 1908-09† ... | 237,860 | 46,[illegible]0 | 64,069 | 16,385 | 4,231 | 80,091 | 75,816 | 479,725 | ... | 19,458 | 1,024,155 |
| Ditto 1907-08‡ ... | 242,047 | 47,459 | 61,995 | 17,111 | 5,049 | 77,456 | 73,144 | 498,320 | ... | 17,621 | 1,040,202 |
| Average of 5 years ending 1907-08. | 201,419 | 43,345 | 75,171 | 19,161 | 5,720 | 64,219 | 58,814 | 419,691 | 502 | 7,360 | 895,402 |

* Potatoes.
† Approximate figures.
‡ Actual figures.

CALCUTTA;
*The 21st June 1909.*

T. BUTLER,
*Secretary to the Government of Bengal.*

*Vital Statistics of the districts of Bengal for the month of April 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,287 | 33·48 | [illegible] | [illegible] | 283 | 2·16 | [illegible] | [illegible] | 2,912 | 22·68 | 64 | ·48 | 20 | ·12 | 34 | ·24 | 693 | 5·40 | 4,534 | 35·40 | 6,245 | 48·84 | |
| | Birbhum | 903,280 | 2,422 | 32·16 | [illegible] | [illegible] | 93 | 1·24 | [illegible] | [illegible] | 1,655 | 21·96 | 5 | ·06 | 5 | ·06 | 11 | ·12 | 233 | 3·00 | 2,035 | 27·00 | 3,559 | 47·28 | |
| | Bankura | 1,116,411 | 3,695 | 39·60 | [illegible] | [illegible] | 74 | [illegible] | ... | ... | 1,942 | 20·76 | 48 | ·48 | 4 | ·03 | 28 | ·24 | 686 | 7·32 | 3,036 | 32·52 | 3,552 | 38·16 | |
| | Midnapore | 2,789,114 | 7,071 | 30·36 | [illegible] | 1·32 | 654 | 2·7[illegible] | ... | ... | 3,306 | 14·16 | 90 | ·36 | 18 | ·07 | 36 | ·12 | 916 | 3·84 | 5,330 | 22·92 | 7,984 | 34·32 | |
| | Hooghly, including Serampore. | 1,049,041 | 4,868 | 55·68 | [illegible] | 3·60 | 369 | 4·[illegible] | 3 | ·02 | 1,594 | [illegible]·12 | 107 | 1·80 | 42 | ·48 | 27 | ·24 | 487 | 5·52 | 3,312 | 34·44 | 3,437 | 39·24 | |
| Presidency | Howrah | 850,514 | 1,947 | 27·36 | 252 | 3·96 | 602 | 8·40 | 3 | ·03 | 712 | 9·96 | 165 | 2·28 | 52 | ·72 | 30 | ·36 | 417 | 5·88 | 2,270 | 31·92 | 2,480 | 34·92 | |
| | 24-Parganas | 2,078,359 | 5,436 | 31·32 | 511 | 2·88 | 505 | 2·88 | 1 | ·004 | 2,030 | 11·88 | 107 | ·60 | 90 | ·48 | 64 | ·36 | 680 | 3·84 | 4,019 | 23·16 | 4,799 | 27·60 | |
| | Calcutta | 847,796 | 1,498 | 21·12 | 483 | 6·84 | 710 | 9·96 | 435 | 6·1[illegible] | 260 | 3·60 | 122 | 1·68 | 375 | 5·28 | 42 | ·48 | 723 | 10·20 | 3,155 | 44·64 | 4,031 | 57·00 | |
| | Nadia | 1,657,491 | 5,284 | 37·92 | 234 | 1·68 | 126 | ·84 | 1 | ·006 | 2,642 | 18·96 | 3 | ·001 | 3 | ·001 | 42 | ·24 | 634 | 4·56 | 3,686 | 26·40 | 5,965 | 42·84 | |
| | Murshidabad | 1,353,184 | 3,821 | 34·32 | 14 | ·12 | 180 | 1·56 | ... | ... | 2,249 | 20·16 | 6 | ·04 | 1 | ·008 | 23 | ·12 | 433 | 3·84 | 2,946 | 26·04 | 4,731 | 42·48 | |
| | Jessore | 1,813,155 | 5,012 | 33·12 | 1,127 | 7·44 | 116 | ·72 | ... | ... | [illegible],183 | 21·00 | 12 | ·07 | 4 | ·02 | 41 | ·24 | 435 | 2·76 | 4,918 | 32·52 | 5,763 | 38·04 | |
| | Khulna | 1,253,048 | 3,166 | 30·24 | 539 | 5·16 | 20 | ·12 | ... | ... | [illegible] | 13·92 | 30 | ·24 | ... | ... | 48 | ·36 | 566 | 5·40 | 2,951 | 28·44 | 2,956 | 28·20 | |
| Patna | Patna | 1,624,742 | 4,472 | 33·00 | 119 | ·84 | 698 | 5·04 | 127 | ·84 | 1,858 | 13·56 | 178 | 1·20 | 190 | 1·32 | 64 | ·36 | 1,025 | 7·56 | 4,229 | 31·20 | 8,670 | 63·96 | |
| | Gaya | 2,069,933 | 4,459 | 25·92 | 575 | 3·94 | 509 | 2·88 | 21 | ·12 | 3,489 | [illegible] | 93 | ·48 | 18 | ·09 | 66 | ·36 | 497 | 2·88 | 5,254 | 30·60 | 7,866 | 45·72 | |
| | Shahabad | 1,962,696 | 4,938 | 30·12 | 22 | ·12 | 720 | 4·32 | 82 | ·48 | 3,233 | 19·[illegible] | 3 | ·01 | ... | ... | 57 | ·24 | 568 | 3·36 | 4,685 | 28·56 | 6,934 | 42·36 | |
| Tirhut | Saran | 2,410,154 | 8,273 | 41·16 | 7 | ·02 | 571 | 2·76 | 188 | ·84 | 2,795 | 13·92 | 131 | ·60 | 95 | ·36 | 61 | ·24 | 2,106 | 10·68 | 6,017 | 29·88 | 11,641 | 57·84 | |
| | Champaran | 1,790,465 | 6,889 | 45·96 | 41 | ·24 | 186 | 1·20 | ... | ... | 3,124 | 20·88 | 5 | ·03 | 3 | ·01 | 27 | ·12 | 1,055 | 6·96 | 4,441 | 29·76 | 3,972 | 26·52 | |
| | Muzaffarpur | 2,754,790 | 10,[illegible] | 45·36 | 5 | ·01 | 153 | ·60 | 21 | ·08 | 5,375 | 23·40 | 54 | ·12 | 10 | ·03 | 70 | ·24 | 1,033 | 4·44 | 6,721 | 29·16 | 7,635 | 33·24 | |
| | Darbhanga | 2,912,611 | 12,811 | 50·28 | ... | ... | 281 | 1·08 | 94 | ·36 | 6,159 | 25·32 | 120 | ·48 | 15 | ·06 | 66 | ·24 | 1,391 | 5·64 | 8,126 | 33·36 | 7,808 | 32·16 | |
| | Monghyr | 2,068,804 | 7,449 | 43·20 | 78 | ·36 | 217 | 1·68 | 146 | ·84 | 4,007 | 23·16 | 18 | ·09 | 1 | ·004 | 60 | ·24 | 927 | 5·28 | 5,454 | 31·56 | 7,071 | 40·92 | |
| Bhagalpur | Bhagalpur | 2,088,953 | 7,094 | 40·44 | 3 | ·01 | 86 | ·48 | 14 | ·07 | 4,145 | 23·76 | 6 | ·02 | 15 | ·08 | 32 | ·12 | 534 | 3·00 | 4,835 | 27·72 | [illegible],541 | 33·48 | |
| | Purnea | 1,874,794 | 6,979 | 44·64 | 7 | ·03 | 19 | ·12 | 1 | ·006 | 4,816 | 30·72 | 3 | ·01 | 3 | ·01 | 35 | ·12 | 169 | 1·08 | 5,053 | 32·28 | [illegible],257 | 59·16 | |
| | Darjeeling | 249,117 | 725 | 34·92 | ... | ... | 4 | ·12 | ... | ... | 607 | 29·16 | 41 | 1·92 | 5 | ·24 | 6 | ·24 | 113 | 5·40 | 776 | 37·32 | [illegible]54 | 36·24 | |
| | Sonthal Parganas | 1,809,737 | 3,651 | 24·00 | 64 | ·36 | 200 | 1·32 | ... | ... | 2,374 | 15·72 | 35 | ·12 | 1 | ·006 | 15 | ·09 | 276 | 1·80 | 2,865 | 19·56 | [illegible] | 28·44 | |
| Orissa | Cuttack | 2,062,758 | 3,472 | 20·16 | 37 | ·12 | 49 | ·24 | ... | ... | 2,114 | 12·24 | 470 | 2·64 | 44 | ·24 | 116 | ·60 | 1,010 | 5·76 | 3,850 | 22·32 | 6,1[illegible] | 35·88 | |
| | Balasore | 1,071,197 | 2,655 | 29·64 | 81 | ·84 | 150 | 1·44 | ... | ... | 818 | 9·12 | 142 | 1·56 | ... | ... | 36 | ·36 | 1,067 | 11·88 | 2,274 | 25·44 | 5,1[illegible] | 57·96 | |
| | Puri | 1,017,284 | 2,120 | 24·96 | 443 | 5·16 | 46 | ·48 | ... | ... | 482 | 5·64 | 317 | 3·72 | 134 | 1·56 | 30 | ·24 | 661 | 7·68 | 2,113 | 24·84 | 3,11[illegible] | 36·72 | |
| | Sambalpur | 636,880 | 2,177 | 40·92 | 11 | ·12 | 5 | ·05 | ... | ... | 816 | 11·52 | 135 | 2·52 | 66 | 1·56 | 19 | ·24 | 460 | 8·64 | 1,312 | 24·72 | 1,663 | 31·32* | * For three years. |
| | Angul and Khondmals | | | | | | | | | | | | | | | | | | | | | | | | Not under registration. |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 2,563 | 26·04 | 31 | ·24 | 170 | 1·68 | ... | ... | 1,992 | 20·28 | 14 | ·12 | 2 | ·01 | 37 | ·36 | 299 | 3·00 | 2,545 | 25·92 | 3,196 | 32·52 | |
| | Ranchi | 1,187,925 | 2,828 | 28·56 | ... | ... | 253 | 2·52 | . | ... | 1,474 | 14·88 | 98 | ·96 | 7 | ·06 | 22 | ·12 | 466 | 4·68 | 2,323 | 23·40 | 2,867 | 28·32 | |
| | Palamau | 619,600 | 1,342 | 25·92 | 21 | ·36 | 235 | 4·44 | ... | ... | 1,223 | 23·64 | 6 | ·10 | ... | ... | 29 | ·48 | 175 | 3·36 | 1,689 | 32·64 | 1,771 | 34·20 | |
| | Manbhum | 1,301,364 | 3,564 | 32·76 | 53 | ·48 | 92 | ·84 | ... | ... | 2,082 | 19·08 | 19 | ·12 | 3 | ·02 | 29 | ·24 | 444 | 4·08 | 2,722 | 25·08 | 3,785 | 34·80 | |
| | Singhbhum | 613,579 | 981 | 19·08 | 39 | ·72 | 67 | 1·20 | ... | ... | 832 | 16·20 | 20 | ·36 | 6 | ·10 | 11 | ·12 | 70 | 1·32 | 1,045 | 20·40 | 1,257 | 24·48 | |
| | Total | 50,528,446 | 147,681 | 35·04 | 6,278 | 1·44 | 8,433 | 1·92 | 1,137 | ·24 | 77,551 | 18·36 | 2,731 | ·60 | 1,239 | ·24 | 1,312 | ·24 | 21,308 | 5·04 | 119,999 | 28·44 | 166,216 | 39·36 | |
| | Average of corresponding month of previous five years | | 167,933 | 39·84 | 19,030 | 4·44 | 3,579 | ·84 | 17,567 | 4·08 | 92,051 | 21·84 | 4,244 | ·96 | 1,058 | ·24 | 1,495 | ·24 | 27,192 | 6·36 | 166,216 | 39·36 | | | |
| | Difference + or − | | −20,252 | −4·80 | −12,752 | −3·00 | +4,854 | +1·08 | −16,430 | −3·84 | −14,500 | −3·48 | −1,513 | −·36 | +181 | Equal | −183 | Equal | −5,884 | −1·32 | −46,227 | −10·92 | | | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 18th June 1909.*

F. C. CLARKSON, LIEUT.-COL. I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of April 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | 1. Burdwan | 35,268 | 35 | 11·88 | 22 | 7·44 | 33 | 11·16 | ... | ... | 55 | 18·60 | 5 | 1·68 | 3 | ·96 | ... | ... | 6 | 2·04 | 124 | 42·12 | 99 | 33·60 | |
| Bankura | 2. Bankura | 20,787 | 34 | 19·56 | 8 | 4·56 | 1 | ·48 | ... | ... | 15 | 8·64 | ... | ... | ... | ... | ... | ... | 8 | 4·56 | 32 | 18·48 | 45 | 26·04 | |
| Midnapore | 3. Midnapore | 33,140 | 83 | 30·00 | 1 | ·36 | 14 | 5·04 | ... | ... | 54 | 19·44 | 4 | 1·44 | 2 | ·72 | 2 | ·72 | 11 | 3·96 | 88 | 31·80 | 109 | 39·36 | |
| Hooghly | 4. Hooghly and Chinsura | 22,383 | 44 | 17·88 | 62 | 25·32 | 14 | 5·64 | ... | ... | 32 | 12·96 | 8 | 3·24 | 5 | 2·04 | ... | ... | 16 | 6·48 | 137 | 55·92 | 112 | 45·72 | |
| | 5. Serampore | 44,451 | 73 | 19·68 | 22 | 5·88 | 11 | 2·88 | ... | ... | 37 | 9·96 | 30 | 7·92 | ... | ... | 2 | ·48 | 20 | 5·28 | 122 | 32·88 | 124 | 33·36 | |
| Howrah | 6. Howrah | 157,594 | 265 | 20·16 | 91 | 6·84 | 177 | 13·44 | ... | ... | 164 | 12·48 | 29 | 2·16 | 23 | 1·68 | 4 | ·24 | 76 | 5·76 | 554 | 42·84 | 748 | 56·76 | |
| 24-Parganas | 7. Cossipore-Chitpur | 40,750 | 32 | 9·36 | 5 | 1·44 | 10 | 2·88 | ... | ... | 8 | 2·28 | 1 | ·24 | ... | ... | ... | ... | 1 | ·24 | 25 | 7·32 | 41 | 12·00 | |
| | 8. Maniktala | 32,357 | 45 | 16·56 | 25 | 9·24 | 88 | 32·52 | ... | ... | 34 | 12·48 | 8 | 2·88 | 2 | ·96 | ... | ... | 36 | 13·32 | 218 | 80·76 | 37 | 13·68 | |
| | 9. South Suburban | 26,374 | 85 | 39·96 | 10 | 4·44 | 8 | 3·60 | ... | ... | 35 | 15·84 | 3 | 1·32 | ... | 1·32 | 1 | ·36 | 15 | 6·72 | 75 | 34·08 | 5 | 26·28 | |
| | 10. Garden Reach | 28,211 | 60 | 25·44 | 28 | 11·88 | 16 | 6·72 | ... | ... | 28 | 11·88 | 8 | 3·36 | 8 | 2·88 | ... | ... | 10 | 4·20 | 97 | 41·16 | [illegible] | 22·92 | |
| | 11. Baranagore | 25,432 | 35 | 16·44 | 38 | 17·88 | 21 | 9·84 | ... | ... | 13 | 6·12 | 2 | ·84 | 8 | 1·32 | ... | ... | 4 | 1·80 | 81 | 38·16 | [illegible] | 27·72 | |
| | 12. Bhatpara | 21,540 | 36 | 20·04 | 6 | 3·24 | 11 | 6·12 | ... | ... | 14 | 7·68 | ... | ... | 1 | ·48 | ... | ... | 2 | 1·08 | 34 | 18·84 | 9 | 32·76 | |
| Calcutta | 13. Calcutta | 947,706 | 1,498 | 21·12 | 485 | 6·84 | 710 | 9·96 | 435 | 6·12 | 260 | 3·60 | 122 | 1·68 | [illegible] | 5·28 | 42 | ·48 | 723 | 10·20 | 3,155 | 44·64 | 4,05[illegible] | 57·00 | |
| Nadia | 14. Krishnagar | 24,547 | 62 | 30·24 | 4 | 1·92 | 6 | 2·88 | ... | ... | 20 | 9·72 | ... | ... | ... | ... | 1 | ·48 | 7 | 3·36 | 38 | 18·48 | 57 | 27·84 | |
| | 15. Santipur | 26,598 | 89 | 39·60 | 4 | 1·68 | 8 | 3·48 | 1 | ·36 | 23 | 10·20 | ... | ... | 3 | 1·32 | 1 | ·36 | 12 | 5·28 | 52 | 23·16 | 87 | 38·76 | |
| Murshidabad | 16. Berhampore | 24,237 | 48 | 23·52 | ... | ... | 4 | 1·92 | ... | ... | 22 | 10·80 | ... | ... | ... | ... | ... | ... | 16 | 7·80 | 42 | 20·64 | 72 | 35·40 | |
| Patna | 17. Patna City | 123,091 | 239 | 23·08 | 7 | ·60 | 110 | 9·72 | ... | ... | 144 | 13·56 | 23 | 2·16 | 21 | 2·04 | 10 | ·96 | 102 | 9·84 | 403 | 39·24 | 897 | 87·36 | |
| | 18. Bihar | 45,065 | 71 | 18·36 | 1 | ·24 | 3 | ·72 | 1 | ·24 | 21 | 5·52 | 2 | ·48 | ... | ... | 2 | ·48 | 10 | 2·64 | 40 | 10·56 | 208 | 54·84 | |
| | 19. Dinapore Nizamut | 33,894 | 43 | 15·24 | ... | ... | 5 | 1·68 | ... | ... | 8 | 2·76 | ... | ... | 4 | 1·32 | 3 | ·96 | 10 | 3·48 | 30 | 10·68 | 107 | 38·04 | |
| Gaya | 20. Gaya | 71,416 | 127 | 26·28 | 21 | 3·48 | 12 | 1·92 | ... | ... | 128 | 21·48 | 18 | 3·00 | 11 | 1·80 | 2 | ·24 | 85 | 6·36 | 230 | 38·64 | 522 | 87·60 | |
| Shahabad | 21. Arrah | 46,170 | 62 | 16·08 | ... | ... | 1 | ·24 | 33 | 8·52 | 21 | 5·4[illegible] | 2 | ·48 | ... | ... | 4 | ·96 | 9 | 2·28 | 70 | 18·12 | 255 | 66·24 | |
| | 22. Sasaram | 23,644 | 21 | 10·56 | ... | ... | 8 | 3·96 | ... | ... | 13 | [illegible] | ... | ... | ... | ... | ... | ... | 1 | ·48 | 22 | 11·16 | 88 | 44·64 | |
| Saran | 23. Chapra | 45,[illegible]1 | 119 | 31·08 | ... | ... | ... | ... | ... | ... | 4[illegible] | 10·44 | 8 | 2·04 | 8 | 2·04 | 4 | ·96 | 42 | 10·92 | 102 | 26·64 | 360 | 94·08 | |
| Champaran | 24. Bettiah | 24,696 | 63 | 30·60 | ... | ... | 3 | 1·44 | ... | ... | 1[illegible] | 7·20 | 2 | ·96 | 1 | ·48 | 1 | ·48 | 12 | 5·76 | 31 | 16·44 | 85 | 26·64 | |
| Muzaffarpur | 25. Muzaffarpur | 45,617 | 148 | 38·88 | 1 | ·24 | 2 | ·48 | ... | ... | [illegible] | 15·24 | 11 | 2·88 | 5 | 1·20 | 10 | 2·52 | 58 | 9·96 | 127 | 32·88 | 161 | 42·24 | |
| | 26. Hajipur | 21,338 | 56 | 31·32 | ... | ... | ... | ... | ... | ... | [illegible]6 | 8·88 | 1 | ·48 | ... | ... | ... | ... | 33 | 18·48 | 51 | 27·96 | 197 | 110·40 | |
| Darbhanga | 27. Darbhanga | 68,244 | 242 | 47·40 | ... | ... | 10 | 1·80 | ... | ... | 72 | 12·96 | 12 | 2·16 | ... | ... | 1 | ·12 | 130 | 23·64 | 226 | 40·92 | 319 | 65·12 | |
| Monghyr | 28. Monghyr | 35,881 | 133 | 44·40 | 2 | ·60 | 12 | 3·96 | 42 | 14·04 | 34 | 11·28 | 2 | ·60 | ... | ... | 2 | ·60 | 71 | 24·36 | 197 | 55·80 | 270 | 90·24 | |
| Bhagalpur | 29. Bhagalpur | 76,720 | 132 | 20·88 | 3 | ·36 | 10 | 1·56 | ... | ... | 58 | 9·12 | 5 | ·72 | 15 | 2·04 | 3 | ·36 | 11 | 1·68 | 103 | 16·20 | 324 | 51·24 | |
| Cuttack | 30. Cuttack | 51,364 | 84 | 19·56 | ... | ... | ... | ... | ... | ... | 23 | 5·28 | 8 | 1·80 | 2 | ·36 | 1 | ·12 | 12 | 2·76 | 96 | 10·68 | 74 | 17·28 | |
| Balasore | 31. Balasore | 20,980 | 31 | 17·76 | 1 | ·48 | 1 | ·48 | ... | ... | 7 | 3·96 | 2 | 1·08 | ... | ... | ... | ... | 17 | 9·72 | 28 | 16·08 | 44 | 25·20 | |
| Puri | 32. Puri | 49,334 | 36 | 8·64 | 4 | ·96 | 1 | ·24 | ... | ... | 29 | 6·96 | 17 | 4·08 | 3 | ·72 | ... | ... | 21 | 5·04 | 75 | 18·24 | [illegible] | 21·60 | |
| Ranchi | 33. Ranchi | 23,810 | 59 | 29·64 | ... | ... | 4 | 1·92 | ... | ... | 14 | 6·96 | 2 | ·96 | ... | ... | ... | ... | 7 | 3·48 | 27 | 13·56 | 31 | 15·00 | |
| | Total of all towns with a population of 20,000 and over ... | 2,922,97[illegible] | 4,243 | 22·80 | 854 | [illegible] | 1,364 | 6·96 | 512 | 2·76 | 1,511 | 8·04 | 335 | 1·80 | 520 | 2·76 | 98 | ·48 | 1,530 | 8·16 | 6,862 | 35·88 | 9,818 | 52·92 | |
| | Average of corresponding month of previous five years ... | ... | 3,891 | 21·00 | 884 | 4·68 | 412 | 2·16 | 3,7[illegible]1 | 20·28 | 1,824 | 9·84 | 540 | 2·88 | 432 | 2·28 | 107 | ·48 | 1,859 | 9·96 | 9,818 | 52·92 | ... | ... | |
| | Difference + or − | ..... | +352 | +1·80 | −29 | −·12 | +[illegible] | +4·80 | −3,249 | −17·52 | −313 | −1·80 | −205 | −1·08 | +88 | +·48 | −11 | Equal | −329 | −1·80 | −3,156 | −17·04 | ... | ... | |

Office of Sanitary Commissioner for Bengal,

*The 18th June 1909*

F. C. Clarkson, Lieut-Col., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Supplementary Vital Statistics for March 1909 received too late for publication with the figures of that month on the 15th May 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory disease. Number registered. | Respiratory disease. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | *Districts* | | | | | | | | | | | | | | | | | | | | | | | | |
| Patna ... | Shahabad .. .. | 1,[illegible]2,096 | [illegible]218 | 38·16 | | | 631 | 3·96 | 255 | 1·44 | 3,642 | 22·26 | 4 | ·02 | | | 64 | ·36 | 732 | 4·44 | 5,348 | 32·64 | 7,180 | 43·80 | |
| | Total of the entire Province ... ... | 30,525,446 | 179,451 | 42·60 | 6,184 | 1·44 | 8,334 | 1·92 | 2,343 | ·48 | 93,220 | 22·08 | 3,364 | ·72 | 1,547 | ·36 | 1,422 | ·24 | 27,287 | 6·00 | 141,671 | 33·60 | 159,342 | 37·80 | |
| | Average of corresponding month of previous five years .. ... ... | ..... | 174,375 | 41·40 | 18,981 | 3·24 | 2,713 | ·60 | 22,677 | 5·28 | [illegible] | 20·28 | 4,207 | ·96 | 1,192 | ·24 | 1,231 | ·21 | 27,5[illegible] | 6·60 | 159,342 | 37·80 | ... | ... | |
| | Difference + or − ... | ..... | +5,076 | +1·20 | −7,647 | −1·80 | +5,621 | +1·32 | −20,334 | −4·80 | −7,5[illegible] | [illegible] | −843 | −·24 | +355 | +·12 | +191 | Equal | −2,518 | −·60 | −17,671 | −4·20 | . | .. | |
| | *Towns.* | | | | | | | | | | | | | | | | | | | | | | | | |
| | Arrah ... ... ... .. | 46,170 | 47 | 12·12 | ... | .. | 1 | ·24 | 64 | 16·56 | 13 | 3·36 | 2 | ·48 | ... | . | 1 | ·24 | 10 | 2·52 | 91 | 23·64 | 342 | 88·80 | |
| | Sasaram ... ... .. | 23,644 | 31 | 15·72 | ... | .. | 36 | 18·24 | . | ... | 14 | 7·08 | ... | | ... | .. | 1 | ·48 | .. | | 51 | 25·80 | 73 | 36·96 | |
| | Total of all towns with a population of 20,000 and over ... ... ... ... | 2,222,870 | 4,607 | 24·84 | 1,000 | 5·28 | 2,255 | 12·00 | 543 | 2·88 | 1,646 | 8·88 | 300 | 1·92 | 640 | 3·36 | 118 | ·60 | 1,591 | 8·16 | 8,023 | 43·68 | 10,[illegible]73 | 57·60 | |
| | Average of corresponding month of previous five years .. ... ... .. | . | 4,253 | 22·92 | 732 | 3·96 | 400 | 2·04 | 4,307 | 23·16 | 2,014 | 10·80 | 536 | 3·12 | 482 | 2·52 | 111 | ·48 | 2,028 | 10·92 | 10,673 | 57·60 | .. | | |
| | Difference + or − | ..... | +354 | +1·92 | +265 | +1·32 | +1,855 | +9·96 | −3,764 | −20·28 | −368 | −1·92 | −236 | −1·20 | +158 | +·84 | +7 | +·12 | −437 | −2·76 | −2,650 | −13·92 | ... | ... | |

Office of Sanitary Commissioner for Bengal,
*The 18th June 1909.*

F. C. Clarkson, Lieut.-Col., I.M.S.,
*Sanitary Commissioner for Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th June 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr | Temperature | | | | Hygrometry. | | | | Wind. | | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour tension. | Dew point | Humidity. | Prevailing direction. | Miles recorded. | | |
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | ° | | | Inches. | |
| June | 13th | 151·2 | 3·3 | 29·715 | 83·5 | 88·7 | 9·8 | 78·9 | 79·9 | 0·989 | 78·9 | 88 | S by E, SSW and S. | 127 | 0·96 | Chiefly cloudy, o, p, d. |
| ,, | 14th | 136·7 | 2·9 | ·751 | 83·7 | 88·6 | 9·2 | 79·4 | 80·3 | ·989 | 78·9 | 85 | SSE and SSW ... | 93 | 0·10 | Chiefly cloudy. o, p, d. |
| ,, | 15th | 145·1 | 10·6 | ·686 | 85·4 | 91·5 | 11·6 | 79·9 | 80·7 | ·989 | 78·9 | 81 | SSW and SW ... | 173 | 0·28 | Partially cloudy |
| ,, | 16th | 111·6 | 5·8 | ·611 | 81·9 | 92·3 | 11·3 | 78·0 | 77·7 | ·912 | 76·4 | 84 | SW by S, SSW and NNW. | 139 | Nil | Partially cloudy, o, d, ✓, p, t, ⟨ |
| ,, | 17th | 144·4 | 2·6 | ·629 | 82·7 | 90·7 | 15·4 | 75·3 | 79·4 | ·983 | 78·7 | 89 | SSW and WNW | 152 | 3·68 | Chiefly cloudy. o, g, d, p, K. |
| ,, | 18th | 150·2 | 3·9 | ·633 | 83·5 | 91·7 | 15·9 | 75·8 | 80·0 | ·999 | 79·2 | 88 | SW by W and S by W. | 89 | 1·16 | Chiefly cloudy. o. |
| ,, | 19th | 111·3 | 7·6 | ·601 | 86·0 | 93·6 | 11·6 | 79·0 | 80·8 | ·989 | 78·9 | 80 | S by W and WSW. | 115 | Nil | Partially cloudy |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·666 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·532 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 36·7 |
| The maximum possible number of hours of sunshine ... ... ... | 94·3 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 84·2 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 84·2 |
| The extreme variation of temperature ... ... ... ... | 18·3 |
| The maximum temperature ... ... ... ... ... | 93·6 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 13 |
| | % |
| The mean relative humidity ... ... ... ... ... | 85 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 83 |
| | Inches. |
| The total fall of rain from 13th to 19th June 1909 ... ... | 6·18 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·93 |
| The total fall from 1st January to 19th June 1909 ... ... | 27·55 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 17·22 |

The mean pressure, temperature, etc., are deduced from eye-observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; ⟨, lightning; ✓, strong wind; K, thunderstorm.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 21st June 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of February 1909, as compared with the same month of the previous year (for four weeks).*

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 63 | 85 | ..... | 22 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 69,442 | 62,493 | 6,949 | ..... | |
| 3 | Cotton— | | | | | |
| | (1) Raw | 187 | 584 | ..... | 397 | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European | 61 | 100 | ..... | 39 | |
| | (b) Ditto, Indian | 424 | 374 | 50 | ..... | |
| | (c) Piece-goods, European | 1,483 | 1,658 | ..... | 175 | |
| | (d) Ditto, Indian | 448 | 502 | ..... | 54 | |
| | (e) Others | ..... | ..... | ..... | ..... | |
| 4 | Chemicals, excepting saltpetre | 186 | 309 | ..... | 123 | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium | 1 | 1 | ..... | ..... | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations | 6 | 12 | ..... | 6 | |
| | (b) Others | 374 | 52 | 322 | ..... | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes | ..... | ..... | ..... | ..... | |
| | (3) Catch | 10 | 70 | ..... | 60 | |
| | (4) Indigo | 8 | 5 | 3 | ..... | |
| | (5) Myrabolams | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks | ..... | ..... | ..... | ..... | |
| | (7) Turmeric | 157 | 407 | ..... | 250 | |
| | (8) Others | 26 | 45 | ..... | 19 | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake | 783 | 1,194 | ..... | 411 | |
| | (2) Hay, straw and grass | 1,002 | 4,337 | ..... | 3,335 | |
| 8 | Fruits and vegetables, fresh | 3,940 | 2,024 | 1,916 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse | 5,869 | 3,574 | 2,295 | ..... | |
| | (2) Jawar and bajra | ..... | ..... | ..... | ..... | |
| | (3) Rice in the husk | 23,228 | 15,881 | 7,347 | ..... | |
| | (4) Do. not in the husk | 29,169 | 10,938 | 18,231 | ..... | |
| | (5) Wheat | 43 | 80 | ..... | 37 | |
| | (6) Do. flour | 620 | 881 | ..... | 261 | |
| | (7) Others | 2,961 | 2[illegible] | 2,674 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | 977 | 1,637 | ..... | 660 | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | 102 | 81 | 21 | ..... | |
| 11 | Horns | 9 | 26 | ..... | 17 | |
| 12 | Hemp (Indian) and other fibres, exc[illegible] jute. | 2,928 | 519 | 2,409 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw | 34,367 | 45,208 | ..... | 10,841 | |
| | (2) Gunny-bags and cloth | 1,469 | 2,034 | ..... | 565 | |
| 14 | Lac | 224 | 339 | ..... | 115 | |
| 15 | Leather— | | | | | |
| | (1) Unwrought | ..... | ..... | ..... | ..... | |
| | (2) Wrought, excepting boots and shoes | ..... | ..... | ..... | ..... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer | 45 | 29 | 16 | ..... | |
| | (2) Spirits of all kinds, including c[illegible] spirit. | 82 | 73 | 9 | ..... | |
| | (3) Wine | ..... | ..... | ..... | ..... | |
| | (4) All other sorts, including [illegible] mented liquors, other than [illegible] | ..... | ..... | ..... | ..... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought | 39 | 44 | ..... | 5 | |
| | (2) Do., manufactured | 288 | 309 | ..... | 21 | |
| | (3) Copper, unwrought | ..... | ..... | ..... | ..... | |
| | (4) Do., manufactured | 1 | 19 | ..... | 18 | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought | ..... | ..... | ..... | ..... | |
| | (b) Wrought | ..... | ..... | ..... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 3,933 | 3,496 | 437 | ..... | |
| | (ii) Machinery and mill works | 182 | 473 | ..... | 291 | |
| | (iii) Other manufactured, including hardware and cutlery. | 644 | 1,566 | ..... | 922 | |
| | (6) Metallic ores | ..... | ..... | ..... | ..... | |
| | (7) Others | 1,749 | 1,065 | 684 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone | 2,718 | 2,133 | 585 | ..... | |
| | (2) Chalk | 1,300 | 1,909 | ..... | 609 | |
| | (3) Lime | | | | | |
| | (4) Others | ..... | ..... | ..... | ..... | |
| 19 | Oils— | | | | | |
| | (1) Kerosine | 12,999 | 10,701 | 2,298 | ..... | |
| | (2) Castor | 9 | 15 | ..... | 6 | |
| | (3) Cocoanut | 137 | 149 | ..... | 12 | |
| | (4) Mustard and rape | 407 | 538 | ..... | 131 | |
| | (5) Others | 259 | 141 | 118 | ..... | |

| No. | Staples | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 20 | Oilseeds— | | | | | |
| | (1) Castor | ..... | ..... | ..... | ..... | |
| | (2) Earthnuts | ..... | ..... | ..... | ..... | |
| | (3) Linseed | 224 | 443 | ..... | 219 | |
| | (4) Poppy | ..... | ..... | ..... | ..... | |
| | (5) Rape and mustard | 2,584 | 3,580 | ..... | 996 | |
| | (6) Til or jinjili | 220 | 50 | 170 | ..... | |
| | (7) Others | 144 | 444 | ..... | 300 | |
| 21 | Opium | ..... | 8 | ..... | 8 | |
| 22 | Paper and pasteboard | 643 | 780 | ..... | 137 | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts | 2 | 28 | ..... | 26 | |
| | (2) Ghee | 67 | 65 | 2 | ..... | |
| | (3) Others | 549 | 710 | ..... | 161 | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | ..... | 7 | ..... | 7 | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates | 186 | 26 | 160 | ..... | |
| | (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | |
| | (c) Others | ..... | ..... | ..... | ..... | |
| 25 | Salt | 6,817 | 4,292 | 2,525 | ..... | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre | 6 | 8 | ..... | 2 | |
| | (2) Other saline substances | 162 | 236 | ..... | 74 | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | 57 | 49 | 8 | ..... | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts | 870 | 1,695 | ..... | 825 | |
| | (2) Cardamoms | 35 | 28 | 7 | ..... | |
| | (3) Chillies | 1,122 | 312 | 810 | ..... | |
| | (4) Ginger | 235 | 116 | 119 | ..... | |
| | (5) Pepper | 31 | 66 | ..... | 35 | |
| | (6) Others | 153 | 267 | | 114 | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallized, including sugar-candy. | 1,317 | 1,140 | 177 | ..... | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar | 1,498 | 100 | 1,398 | ..... | |
| | (b) Gur, *rab*, jaggery, molasses, and other saccharine produce. | 3,106 | 2,459 | 647 | ..... | |
| 30 | Tea— | | | | | |
| | (1) Foreign | ..... | ..... | ..... | ..... | |
| | (2) Indian | 198 | 259 | ..... | 61 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured | 1,652 | 1,443 | 209 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars | ..... | ..... | ..... | ..... | |
| | (b) Other sorts | 84 | 93 | ..... | 9 | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought | 5,025 | 5,730 | ..... | 705 | |
| | (2) Manufactured | 672 | 525 | 147 | ..... | |
| 33 | Wool— | | | | | |
| | (1) Raw | 180 | 375 | ..... | 195 | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs | | | | | |
| | (b) Piece-goods, European | 25 | 21 | 4 | ..... | |
| | (c) Ditto, Indian | | | | | |
| | (d) Other sorts of manufactures | | | | | |
| 34 | All other articles of merchandise | 7,622 | 12,763 | ..... | 5,141 | |
| | Total | 240,845 | 216,515 | 52,747 | 28,417 | |

CALCUTTA, *the 15th June 1909.*

[illegible] J. JUDGE,
*Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 5th June 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 66,500 | 42,000 0 0 | 293,000 0 | 30,500 0 0 | 4,500 0 0 | 86,000 0 0 | 15,169 | 17,705 | 32,874 |
| Or per mile of railway ... ... | 86·59 | 54·69 | 380·03 | 51·23 | 5 84 | 111 76 | 19·75 | 22·96 | 42·71 |
| For previous 22 weeks of half-year ... ... .. ... | 1,554,590 | 10,11,382 0 0 | 7,703,910 0 | 9,12,931 0 0 | 96,316 0 0 | 20,20,629 0 0 | 317,512 | 415,528 | 733,040 |
| Total for 23 weeks ... | 1,621,090 | 10,53,382 0 0 | 7,996,910 0 | 9,52,431 0 0 | 1,00,816 0 0 | 21,06,629 0 0 | 332,681 | 433,233 | 765,914 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 62,841 | 38,502 0 0 | 288,442 0 | 45,934 0 0 | 4,758 0 0 | 89,194 0 0 | 15,510 | 21,858 | 37,368 |
| Per mile of railway corresponding week of previous year ... | 81·82 | 50·13 | 374·11 | 59·88 | 6 17 | 115·88 | 20·20 | 28 35 | 48·55 |
| Total to corresponding date of previous year ... ... ... | 1,543,927 | 10,23,333 0 0 | 6,373,621 0 | 8,89,012 0 0 | 1,05,695 0 0 | 20,18,040 0 0 | 361,301 | 477,425 | 838,726 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway*

| Receipts for week ending 5th June 1909. | | | Receipts for week ending 6th June 1908. | | | Total receipts from 1st April 1909 to 5th June 1909. | | | Total receipts from 1st April 1908 to 6th June 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 86,600 | 111·76 | 771 | 89,194 | 115·88 | 771 | 8,17,[illegible]0 | ... | 771 | 8,04,349 | ... | 13,367 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 5th June 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated) including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | | Mds. | Rs. (b) | Rs. (c) | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... | 419,240 | [illegible] | 1,195,520 | 1,57,820 | 23 [illegible] | 3,53,180 | 60,035 | (d)52,411 | 112,436 |
| Or per mile of railway .. | 224·19 | ..... | 639·32 | 84·40 | 12·35 | 188 87 | ..... | ..... | ..... |
| For previous 21½ weeks of half-year (e) ... ... ... ... | 7,267,047 | 30,[illegible] | [illegible]63,646 | 39,30,255 | 6,09,652 | 75,51,371 | 1,222,942 | 1,024,103 | 2,247,045 |
| Total for 22½ weeks ... | 7,686,287 | 31,[illegible]24 | 25,665,166 | 40,88,075 | 6,32,752 | 79,04,551 | 1,282,967 | 1,146,514 | 2,429,481 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,797 miles open ... .. ... | 410,947 | 1,58,893 | 1,301,292 | 1,38,4[illegible] | 32,681 | 3,29,079 | 57,739 | (f)49,677 | 107,416 |
| Per mile of corresponding week of previous year ... ... | 228·69 | 88 42 | 724 15 | 77·02 | 18·1[illegible] | 183·63 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 8,004,181 | 34,01,476 | 27,367,455 | 36,95,883 | 6,15,697 | 77,13,056 | 1,299,354 | 1,068,339 | 2,367,693 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·85 | | 3·01 | ·21 | 3·14 | | | |
| Ditto for corresponding week of previous year ... ... ... | | 2 75 | | 2 79 | ·30 | 3·07 | | | |

(a) Increase under passengers due to Lunar Eclipse bathing *mela*.
(b) Decrease in weight with increase in amount due to long lead local traffic.
(c) Decrease chiefly under steam-boat.
(d) Includes 7,812 miles of ballast trains.
(e) Includes audited figures up to March 1909.
(f) Includes 3,082 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ended 12th June 1909 on (f) 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 422,020 | 2,08,350 0 0 | 1,354 570 0 | 1,81,960 0 0 | 17,310 0 0 | 4,07,640 0 0 | 77,223 | (b)40,978 | 118,201 |
| Or per mile of railway ... ... | (d)314 | (d)155 0 0 | 905 0 | 122 0 0 | (a)1 0 0 | (a)(f)262 0 0 | ... | ... | ... |
| For previous 23 weeks of half-year (e) ... ... ... ... | 10,568,025 | 46,84,319 0 0 | 47,789,769 0 | 56,26,912 0 0 | 7,70,139 0 0 | 1,10,81,370 0 0 | 1,726,010 | 1,195,248 | 2,921,258 |
| Total for 24 weeks ... | 10,980,045 | 48,92,669 0 0 | 49,135,339 0 | 58,08,872 0 0 | 7,87,449 0 0 | 1,14,89,010 0 0 | 1,803,233 | 1,236,226 | 3,039,459 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 480,680 | 2 32,384 0 0 | 1,192,052 0 | 1,51,938 0 0 | 15,030 0 0 | 3,99,352 0 0 | 75,664 | 30,697 | 106,361 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (c)391 | (c)183 0 0 | 936 0 | 119 0 0 | 1 0 0 | 303 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 11,991,360 | 51,52 971 0 0 | 45,422,855 0 | 52,07,565 0 0 | 8,39,594 0 0 | 1,12,00,130 0 0 | 1,828,890 | 1,087,062 | 2,915,952 |

(a) Excluding steamer earnings, Rs. 15,200.
(b) Excluding ballast train-miles, 9,864.
(c) Audited up to March 1909.
(d) Excluding 152 miles not open for passenger traffic.
(e) Excluding 45 miles not open for passenger traffic.
(f) Includes 152 miles open only for goods traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 12th June 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 40,490 | 11,010 0 0 | 44,320 0 | [illegible]310 0 0 | [illegible] 0 0 | 14,410 0 0 | 5,796 | (a)995 | 6,791 |
| Or per mile of railway ... | 471 | 128 0 0 | 515 0 | [illegible]39 0 0 | [illegible] 0 0 | 168 0 0 | ... | ... | ... |
| For previous 23 weeks of half-year (b) ... ... ... | 959,263 | 2,84,080 0 0 | 1,569,583 0 | 1,21,7[illegible] 0 0 | 8,195 0 0 | 4,14,062 0 0 | 126,578 | 33,148 | 159,726 |
| Total for 24 weeks .. | 999,753 | 2,95,090 0 0 | 1,613,903 0 | 1,25,0[illegible] 0 0 | 8,285 0 0 | [illegible]72 0 0 | 132,374 | 34,143 | 166,517 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 41,415 | 11,631 0 0 | 43,448 0 | 3,019 0 0 | 44 0 0 | [illegible],634 0 0 | 5,656 | 1,274 | 6,930 |
| Per mile of railway corresponding week of previous year ... | 482 | 135 0 0 | 505 0 | 35 0 0 | 1 0 [illegible] | [illegible]171 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... | 1,023,382 | 3,06,379 0 0 | 2,385,926 0 | 1,07,056 0 0 | 6,094 [illegible] | 4,79,52[illegible] 0 0 | 1,34,028 | 41,833 | 175 861 |

(a) Excluding ballast train-miles, 700.
(b) Audited up to March 1909.

## COOCH BEHAR RAILWAY—NATIVE [illegible]

*Approximate Return of Traffic and Mileage for the week ended 12th [illegible] 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 3,540 | 1,320 0 0 | 26 430 0 | 1,610 0 0 | 10 0 0 | 2,940 0 0 | 462 | (a)1,138 | 1 600 |
| Or per mile of railway ... .. | 105 | 39 0 0 | 787 0 | 48 0 0 | . | 87 0 0 | . | .. | .. |
| For previous 23 weeks of half-year (b) ... ... ... ... | 106,977 | 43,908 0 0 | 582,106 0 | 40,[illegible]95 0 0 | 363 0 0 | 84,936 0 0 | 10,891 | 46,973 | 57 864 |
| Total for 24 weeks ... | 110,517 | 45,228 0 0 | 608,536 0 | 42,[illegible]05 0 0 | 373 0 0 | 87,[illegible]06 0 0 | 11,353 | 48,111 | 59,4[illegible]4 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 4,302 | 1,460 0 0 | 31,130 0 | 1,828 0 0 | 2 0 0 | 3,290 0 0 | 462 | 974 | 1,436 |
| Per mile of railway corresponding week of previous year ... | 131 | 44 0 0 | 926 0 | 54 0 0 | ... .. | 98 0 0 | ... | | - |
| Total to corresponding date of previous year ... ... ... | 112,096 | 46,073 0 0 | 623,124 0 | 41,897 0 0 | 371 0 0 | 88,341 0 0 | 10,713 | 40,487 | 51,200 |

(a) Excluding ballast train-miles, 1,025.
(b) Audited up to March 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the week ended 12th June 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 12,170 | 3,770 0 0 | 33,780 0 | 1,590 0 0 | 20 0 0 | 5,380 0 0 | 2,310 | (a) 288 | 2,598 |
| Or per mile of railway ... ... | 225 | 70 0 0 | 626 0 | 30 0 0 | ... | 100 0 0 | ... | ... | - |
| For previous 23 weeks of half-year (b) ... ... ... ... | 376,594 | 1,05,936 0 0 | 1,164,072 0 | 64,917 0 0 | 547 0 0 | 1,71,400 0 0 | 46,500 | 15,941 | 61,441 |
| Total for 24 weeks . | 388,764 | 1,09,706 0 0 | 1,197,852 0 | 66,507 0 0 | 567 0 0 | 1,76,780 0 0 | 47,810 | 16,229 | 64,039 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 14,678 | 4,066 0 0 | 30,479 0 | 1,262 0 0 | 22 0 0 | 5,350 0 0 | 2,028 | 282 | 2,310 |
| Per mile of railway corresponding week of previous year ... | 272 | 75 0 0 | 564 0 | 23 0 0 | 1 0 0 | 99 0 0 | .. | .. | .. |
| Total to corresponding date of previous year ... ... .. | 382,560 | 1,04,419 0 0 | 1,003,817 0 | (c)69,409 0 0 | −1,958 0 0 | 1,71,870 0 0 | 48,905 | 13,822 | 62,727 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to March 1909.
(c) Includes an amount since written back during week ending 26th June 1908.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 12th June 1909 ... | Coaching ... | 8,462 0 0 | 18,238 0 0 |
| | Goods ... | 9,685 0 0 | |
| | Other earnings ... | 91 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 8,011 0 0 | 18,078 0 0 |
| | Goods .. | 9,963 0 0 | |
| | Other earnings ... | 104 0 0 | |
| | Increase | — | 160 0 0 |
| Receipts per mile for the week ending 12th June 1909 ... | — — | — | 357 9 9 |
| Ditto for the corresponding period of 1908 ... | — ... | — | 354 7 6 |
| | Increase | — | 3 2 3 |
| Receipts from 1st January to 12th June 1909 .. | ... ... | — ... | 4,19,792 0 0 |
| Ditto for the corresponding period 1908 ... | ... ... | ... | 4,16,984 0 0 |
| | Increase | ... | 2,808 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 23rd June 1909.

REGISTERED No. C 209.]

No. 26 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, JUNE 30, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.


| | Page |
|---|---|
| Resolution on the Annual Report of the Police Administration in the Town of Calcutta and its Suburbs for the year 1908 ... ... ... ... ... | 939—941 |
| Resolution on the Annual Report on Emigration from the Port of Calcutta to British and Foreign Colonies during the year 1908 ... ... ... ... ... ... | 942—943 |
| Weather and Crop Report for the week ending the 28th June 1909 ... ... ... ... ... ... | 944—949 |
| Results of the Meteorological Observations taken at the Aunpore Observatory from 20th to 26th June 1909 | 950 |
| Average Wholesale Prices Statement for the year ending 31st March 1909 ... ... ... ... ... ... | 951—953 |
| Railway Returns ... ... ... ... ... ... | 954—955 |


## RESOLUTION ON THE ANNUAL REPORT OF THE POLICE ADMINISTRATION IN THE TOWN OF CALCUTTA AND ITS SUBURBS FOR THE YEAR 1908.

POLITICAL DEPARTMENT—POLICE.

*Darjeeling, the 21st June 1909.*

RESOLUTION—No. 1260P.—[illegible]

READ—

The Annual Report on the Police Administration in the Town of Calcutta and the Suburbs for the year 1908.

Read also—

The Reports for the two previous years, and the orders of Government recorded thereon.

2. In the commencement of the report it is said that Mr. J. P. Feeny was placed in charge of one of the Divisions of the town on the 5th of November. The Lieutenant-Governor observes with satisfaction this beginning of the redistribution of the city into 4 instead of 5 divisions and the substitution of Deputy Commissioners for Superintendents in charge. No other important reform was introduced, but the scheme for the reorganisation of the beat system in the town and suburbs received the assent of the Secretary of State in September 1908, and will obtain a partial trial during the present year. At present, its complete introduction is delayed by want of funds, and a sufficiency of trained men to fill the increased cadre.

3. The continued indications of improved discipline in the force are a matter of congratulation. There is a further reduction in the number of departmental punishments, and a marked decrease in the number of officers and men judicially punished. The number of resignations and desertions is considerably smaller, although the number of the latter is still very large. A hope was expressed last year that the change of training ground from Calcutta to Bhagalpur would improve matters in this respect. This hope has to some extent been fulfilled. Recruitment at Nathnagore started from the 8th of July 1908, and between that date and the 31st December only two recruits deserted from that place. Unfortunately it was found necessary to continue the enlistment of recruits in Calcutta during the year in order to fill up the vacancies caused by the increase in the cadre of constables, and 78 recruits deserted from the Town Hall drill class. The general health of the force appears to have been good, as the percentage of admission into hospital was more than 20 per cent. lower than last year, and the average percentage of men absent daily from duty on account of sickness was 2·9 as against 3·4 in 1907.

4. There is a steady increase in the number of both officers and men in the force who can read and write, and the Lieutenant-Governor is pleased to observe that the numbers of those rewarded during the year by titles, good conduct stripes, presentations and sums of money has risen by nearly 60 per cent.

5. In the previous year there had been an increase of 254 in the number of burglary cases. The Lieutenant-Governor regrets to observe that the general upward trend is still maintained, and 55 more cases of burglary were reported this year than last. Against this may be set 245 cases ending in conviction, as against 190 in the previous year. It is to be hoped that the introduction of the beat system may provide a more effectual check on offences against property.

6. The number of cases instituted in the Courts of the Presidency Magistrates was 31,820, a decrease of a thousand as compared with the previous year. Of these 6·7 per cent., or 640 more cases than in the previous year were tried by the Honorary Magistrates. The Lieutenant-Governor is gratified to observe the public spirit displayed by these gentlemen and desires to render them thanks for the assistance they have given to the public and to the stipendiary Magistrates. In the previous year, the Lieutenant-Governor had occasion to note that the number of cases in which old offenders were convicted, of which Magistrates had disposed themselves instead of committing them to the Court of Sessions, was excessive. It was ascertained that out of 607 old offenders who were re convicted for specific offences under Chapters XII and XVII, Indian Penal Code, only 28 were convicted at the Court of Sessions, although over [illegible] of the 607 re-convicted persons had more than 3 previous convictions and [illegible] many as 140 had over four previous convictions. The number of old offenders convicted in the present year is 715, of whom 232 had four or more previous convictions. Of this only 42 were convicted at the Court of Sessions, a proportion higher than that of last year, but still extremely low. In connection with the increase in the convictions of old offenders, it is satisfactory to note that the number of persons identified by their finger impressions rose from 1,020 in 1906 and 1,059 in 1907 to 1,392 in 1908. Another pleasing feature of the report is a large increase in the number of persons treated as first offenders under section 562, Indian Penal Code, although only an insignificant number of these were in cases tried in the Alipore and Sealdah Police Courts.

7. The Lieutenant-Governor observes that 13 deaths were caused during the year by motor cars as compared with 5 in the previous year. The number of cars licensed has increased by about 40 per cent., but the number of fatal accidents has risen out of proportion. It is true that in all but one of these cases the driver was exonerated at the inquest from all blame; but although there may have been no evidence to implicate individuals, the increase in the number of accidents argues an increase in reckless driving, and it would appear necessary that the Commissioner of Police should take steps to prosecute those who drive to the public danger, even where no fatal accident occurs.

8. The year under review has been one of stress and excitement in Calcutta. Early in the year the Hindu festival Ardhodaya-Yog took place after an interval of 20 years and much care and forethought had to be expended upon the arrangements for the crowds of pilgrims who flocked from all parts of India. The festival passed, however, without any untoward results, thanks to some extent to the useful work done by private persons. The year, however, will always be memorable for the discovery of the Maniktola Conspiracy on the 2nd May and the prosecution of those who were arrested before the Sessions Court at Alipore and the High Court in Calcutta. Connected with these cases were the murders of Norendra Nath Goswami, who had given evidence against the other accused while a prisoner in the Alipore Jail, and of Sub-Inspector Nundo Lal Banerji of the Bengal Criminal Investigation Department who had traced one of the accused in the Muzaffarpur murder case. The former murder, which was committed by persons actually in custody in one of His Majesty's prisons, is unique in the history of Bengal. The latter was carried out by several persons in a crowded bazar, and not only was there no attempt on the part of any of the bystanders to protect the victim or arrest the murderers, circumstances indeed not altogether unprecedented in such cases, but up to the present the criminals remain undiscovered. Finally on the 7th of November a determined attempt was made on the life of His Honour Sir Andrew Fraser, then Lieutenant-Governor of Bengal, by a young student who fired a revolver point blank at him as he was entering the Overtoun Hall in College Street, where a lecture was about to be delivered. The attempt must have succeeded but for the extraordinary fact of the revolver twice missing fire, and the prompt and courageous intervention of Mr. Barber, General Secretary of the Young Men's Christian Association, and the Maharajadhiraja Bahadur of Burdwan.

9. The conduct of the police throughout this trying year has been worthy of the highest commendation. His Honour notices with pleasure the Commissioner's appreciation of his superior officers, and he desires to thank all ranks of the force, and especially Mr. Halliday, for the excellent work which they have accomplished during 1908. In a time of great strain and excitement the demands on their energies by cases of a new order and of the most momentous importance have been met without neglect of their regular duties. The allegations to the contrary so frequently made in some sections of the press are disproved by the statistics in the Commissioner's report, which show a steady progress in dealing with all kinds of crime, notably in bringing to book old offenders, which may be regarded as one of the highest tests of police work.

ORDER—Ordered that a copy of the Resolution be forwarded to the Commissioner of Police, Calcutta, for information and guidance. Ordered also that a copy of the Resolution be forwarded to the Chief Presidency Magistrate, Calcutta, the Commissioner of the Presidency Division, the Chairman of the Corporation of Calcutta, and the Municipal Department of this Government for information. Ordered also that a copy of this Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Offg. Chief Secy. to the Govt. of Bengal.*

## RESOLUTION ON THE ANNUAL REPORT ON EMIGRATION FROM THE PORT OF CALCUTTA TO BRITISH AND FOREIGN COLONIES DURING THE YEAR 1908.

GENERAL DEPARTMENT—EMIGRATION.

*Calcutta, the 29th June 1909.*

RESOLUTION—No. 2472.

READ—

The Annual Report on Emigration from the Port of Calcutta to British and Foreign Colonies during the year 1908.

The most important legislative measure of the year under review was the consolidation in one Act (XVII of 1908) of the laws relating to colonial emigration, which were previously scattered throughout seven Acts. An amending Act (Act XII of 1908) was also passed to empower Local Governments to appoint more than one Medical Inspector of Emigrants, and also to exempt from the operations of the Indian Emigration Act subjects of foreign powers embarking from ports in British India for employment in any country beyond the sea. The despatch of emigrants to Fiji was previously forbidden from the 7th October to the 20th February, in order that they might not arrive there during the hurricane months. The Government of Fiji, however, represented that, as powerful steamers are now employed for the conveyance of emigrants, and as the health of Indian immigrants is as good during these months as during the rest of the year, this restriction is no longer necessary. Amendments were therefore made in the statutory rules to permit of the despatch of emigrants to Fiji in steamers at any time of the year.

2. Six Emigration Agencies were at work, as compared with seven in the preceding year. Of these Agencies five despatched emigrants to British colonies, and one worked on behalf of the Dutch colony of Surinam. There was an increase both in the number of emigrants required by the colonies and in the number supplied: 9,276 adult labourers were requisitioned and 10,160 were supplied as compared with 8,114 and 6,889 respectively in the year 1907. Natal and Jamaica received the full number of emigrants required; while the number supplied to Fiji and Surinam exceeded the demand. In the case of Demerara and Trinidad the number requisitioned was not supplied in full, only because the vessels employed had not sufficient accommodation. There was no demand for [illegible] for Mauritius.

3. The total number of emigrants registered was 17,748, or 4,588 more than in 1907. As in previous years, the majority (87 per cent.) of the emigrants was recruited in the United Provinces of Agra and Oudh, and principally in the districts of Fyzabad, Basti and Gonda. Of 17,807 emigrants admitted to the depôts, 3,030 were rejected as unfit to emigrate. From Calcutta depôts [illegible] embarked, or 3,341 more than in 1907; and 830 recruits were retained in depôts for despatch after the close of the year. The largest number of labourers (3,039) was sent to Fiji, and the smallest number (405) to Jamaica. Three hundred and eighty-three returned emigrants re-engaged, as against 284 in the preceding year.

4. The sanitary arrangements in the depôts were satisfactory. There was a noticeable decrease in the number of cases of cerebro-spinal meningitis; and the percentage of mortality among the emigrants accommodated in the depôts was ·55 against ·74 in the preceding year.

5. Steamers were more largely employed in the emigrant traffic than before; the figures being 12 steamers and one sailing vessel as compared with 7 steamers and 3 sailing vessels in 1907.

6. Four thousand one hundred and ninety-seven emigrants returned from the colonies during 1908, bringing with them savings amounting to over seven and one-third lakhs, the average for each emigrant being Rs. 175, as compared with Rs. 178 in the preceding year. On the other hand, 2,435, or

slightly over one-third of the total number, brought back no savings at all. Of this number, however, 875 were children. As in previous years, the immigrants in Natal sent the largest remittances by money-orders. The total amount so sent from that colony was over nine lakhs.

7. The office of the Protector of Emigrants was held throughout the year by Dr. Banks, to whom the thanks of the Lieutenant-Governor are due for his careful administration.

By order of the Lieutenant-Governor of Bengal,

J. G. CUMMING,

*Offg. Secy. to the Govt. of Bengal.*

REGISTERED No. C 209.]

No. 29 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, JULY 21, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Administration of the Income-Tax Department in Bengal during the year 1908-1909 | 1033—1037 |
| Resolution on the Administration of the Stamp Department in Bengal during the year 1908-1909 ... | 1038—1040 |
| Preliminary Forecast of the Jute Crop of Bengal, 1909 | 1041—1048 |
| Weather and Crop Report for the week ending the 15th July 1909 ... ... ... ... ... ... ... | 1049—1054 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 17th July 1909 ... ... ... ... ... ... ... | 1055 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th July ... ... ... ... ... ... ... | 1056 |
| Railway Returns ... ... ... ... ... ... | 1057—1067 |

## RESOLUTION ON THE ADMINISTRATION OF THE INCOME-TAX DEPARTMENT IN BENGAL DURING THE YEAR 1908-1909.

NOTIFICATION.

*No. 398S.R.—The 15th July 1909.*—The following Resolution and Returns of the Board of Revenue, L. P., on the working of the Income-tax Department in Bengal for the year 1908-1909 are published for general information.

H. WHEELER,
*Secretary to the Govt. of Bengal.*

BOARD OF REVENUE, L. P.

MISCELLANEOUS REVENUE DEPARTMENT.

INCOME-TAX BRANCH.

*RESOLUTION.*

THE HON'BLE MR. W. C. MACPHERSON, C.S.I.

*Dated Calcutta, the 6th July 1909.*

THE statistical information regarding the Income-tax Department for the year 1908-1909 has been compiled with reference to the Government of India's Resolutions, Nos. 2316S.R., dated the 8th May 1901, and 83S.R., dated the 14th January 1903.

2. The receipts, charges and net revenue of the years 1907-1908 and 1908-1909 are compared below :—

| Year. | Receipts. | Charges. | Percentage of charges. | Net revenue. |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. |
| 1908-1909 ... | 56,50,644 | 1,72,236 | 3 | 54,78,408 |
| 1907-1908 ... | 51,98,644 | 1,67,478 | 3·2 | 50,31,166 |

The net revenue showed an increase of 8·9 per cent., as compared with an increase of 7 per cent. in 1907-1908.

3. The total collections on account of tax during the year showed an increase of Rs. 4,25,681, or 8·5 per cent., over those of 1907-1908. The increase was obtained from all the four main classes of assessees, salaries (Part I) contributing Rs. 65,802, Companies (Part II) Rs. 2,77,415, securities (Part III) Rs. 16,366 and other sources (Part IV) Rs. 66,098, or 15·5, 65·2, 3·8 and 15·5 per cent. of the total increase, respectively. The increase under Part II is mainly due to the larger profits made by co[illegible] companies, but also to increased profits of the Banks and jute mills assessed i[illegible] Calcutta.

The total number of assessees in the lowest class of Part IV (that is, those assessed on an income of Rs. 1,000 but less than Rs. 1,250 was 10,511, against 10,647 of the preceding year. The decrease was due to ordinary fluctuations, and no tendency on the part of the assessing staff to bring under assessment, without adequate investigation, those who were exempted on the raising of the taxable minimum in 1903, is indicated.

4. The final number of assessees and the final demand for the year 1908-1909 show an increase of 845 persons and Rs. [illegible],600, or 1·9 and 10·2 per cent., as compared with 4·6 and 7·9 per cent., respectively, during the previous year. Of these increases Calcutta contributed 253 persons and Rs. 3,97,072, or 29·9 and 82·1 per cent., respectively—a result which is mainly attributed to the increase in the assessment on the profits of certain limited companies explained in paragraph 3. Outside Calcutta the increase in the final demand was largest in the district of Burdwan, where it advanced from Rs. 1,07,503 during 1907-1908 to Rs. 1,49,706 during the year under report; this marked increase was due to the prosperity of the coal industry.

5. The percentage of collections on the final demand on account of tax for the year was 95·7, as compared with 96·8 during the year 1907-1908. In Bankura, Hooghly, Howrah, Jessore, Gaya, Saran, Puri and Palamau, the entire demand was collected during the year. The prescribed standard of 95 per cent. was attained in all other districts, except Burdwan, Bhagalpur and Hazaribagh where the percentages were 89·01, 86·7 and 89·7, respectively. The low percentage of collections in Burdwan was, however, due to the non-realization of the sum of Rs. 15,046, pending the disposal of an appeal filed before the Board. Excluding the above sum from the final demand, the percentage of collection in Burdwan reached the prescribed standard. The short percentage in Bhagalpur was due (1) to the widespread scarcity and high price of food-grains which has affected the business of many assessees; (2) non-payment of the tax within the year by several new assessees, including one paying Rs. 2,680 discovered and assessed during the last quarter of the year; and (3) non-realization of the amounts due from some of the higher class assessees whose objections had to be kept pending for production of accounts. The failure in attaining the prescribed standard in Hazaribagh is ascribed to the non-realization of the tax in pending objection cases and in those in which the whereabouts of the assessees were not traceable.

6. The total cost of assessment and collection during the year shows an increase of Rs. 4,758, or 2·8 per cent., in comparison with the previous year, owing chiefly to the entertainment of an extra assessor and his establishment for eight months in the Burdwan Division.

## RETURN No. I.

*Statement showing the collections of the Tax under Act II of 1886, as amended by Act XI of 1903, from Salaries, Pensions, Annuities and Gratuities paid by the Government in the year 1908-09.*

| Class. | Income. | Paid by the Government. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Salaries. | | Pensions and annuities. | | Gratuities. | | Total | |
| | | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | Rs. Rs. | | Rs. | | Rs. | | | | Rs. |
| I | 1,000 but less than 1,250 ... | 720 | 16,899 | 189 | 3,772 | ... | ... | 909 | 20,671 |
| II | 1,250 " " 1,500 ... | 148 | 4,219 | 70 | 1,851 | ... | ... | 218 | 6,070 |
| III | 1,500 " " 1,750 ... | 497 | 12,878 | 54 | 1,575 | ... | ... | 551 | 14,453 |
| IV | 1,750 " " 2,000 ... | 322 | 11,726 | 67 | 2,212 | ... | ... | 389 | 13,938 |
| | Total I to IV ... | 1,687 | 45,722 | 380 | 9,410 | ... | ... | 2,067 | 55,132 |
| V | 2,000 but less than 2,500 ... | 534 | 27,450 | 86 | 4,152 | ... | ... | 620 | 31,602 |
| VI | 2,500 " " 5,000 ... | 707 | 57,134 | 175 | 14,512 | ... | ... | 882 | 71,646 |
| VII | 5,000 " " 10,000 ... | 462 | 57,614 | 78 | 9,196 | ... | ... | 540 | 66,810 |
| VIII | 10,000 " " 20,000 ... | 515 | 82,887 | 15 | 4,658 | ... | ... | 530 | 87,545 |
| IX | 20,000 " " 30,000 ... | 213 | 57,178 | 8 | 1,570 | ... | ... | 221 | 58,748 |
| X | 30,000 " " 40,000 ... | 64 | 28,802 | 1 | 964 | ... | ... | 65 | 29,766 |
| XI | 40,000 " " 50,000 .. | 28 | 22,547 | 2 | 1,250 | ... | ... | 30 | 23,797 |
| XII | 50,000 " " 1,00,000 ... | 7 | 9,510 | ... | ... | ... | ... | 7 | 9,510 |
| XIII | 1,00,000 and more ... ... | ... | ... | 1 | 5,208 | ... | ... | 1 | 5,208 |
| | Total V to XIII ... | 2,530 | 3,83,122 | 366 | 41,510 | ... | ... | 2,896 | 3,84,632 |
| | Grand Total ... | 4,217 | 3,8[illegible],844 | 746 | 50,920 | ... | ... | 4,963 | 4,39,764 |
| | Total of previous year ... | 3,697 | 3,70,353 | 671 | 52,117 | ... | ... | 4,368 | 4,22,470 |

## RETURN No. II.

*Statement showing the collections of the Tax under Act II of 1886 from Interest on Securities in the year 1908-09.*

| Class. | Rate of tax. | Securities of the Government of India. | | Securities of Local Authority or Company. | | Total. | |
|---|---|---|---|---|---|---|---|
| | | Amount of securities. | Amount of tax. | Amount of securities. | Amount of tax. | Amount of securities. | Amount of tax. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | Rs. | Rs. | Rs | Rs. | Rs. | Rs. |
| I to IV | At 4 pies in the rupee ... | 2,500 | 1 | ... | ... | 2,500 | 1 |
| V to XIII | " 5 " " ... | 2,47,50,250 | 14,673 | 36,88,02,218 | 1,27,440 | 39,35,52,468 | 1,42,113 |
| | Total ... | 2,47,52,750 | 14,674 | 36,88,02,218 | 1,27,440 | 39,35,54,968 | 1,42,114 |
| | Total of previous year ... | 2,38,[illegible]8,500 | 14,766 | 20,53,07,833 | 1,11,088 | 22,91,66,333 | 1,25,854 |

RETURN

*Statement showing the Collections of the Tax under Act II*

| Class. | Amount of Income. | Salaries, pensions, annuities and gratuities paid by the Government. | | Salaries, pensions, annuities and gratuities paid by local authorities. | | Salaries, etc., paid by companies, public bodies, associations and private employers. | | | | Profits of companies. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | *Tax levied under—* | | | | | |
| | | | | | | Section 9 (1). | | Section 9 (2). | | | |
| | | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. | Amount of tax. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | Rs. Rs. | | Rs. | | Rs. | | Rs. | | Rs. | | Rs. |
| I | 1,000, but less than 1,250 .. | 909 | 20,671 | 468 | 6,939 | 859 | 12,880 | 1,992 | 39,522 | 17 | 279 |
| II | 1,250 ,, ,, 1,500 ... | 218 | 6,070 | 102 | 2,851 | 146 | 4,055 | 652 | 17,643 | 2 | 67 |
| III | 1,500 ,, ,, 1,750 ... | 551 | 14,453 | 82 | 2,734 | 137 | 4,560 | 635 | 20,152 | 5 | 205 |
| IV | 1,750 ,, ,, 2,000 ... | 389 | 13,938 | 91 | 3,889 | 212 | 8,662 | 940 | 40,753 | .. | ... |
| | Total I to IV ... | 2,067 | 55,132 | 743 | 16,413 | 1,354 | 30,162 | 5,219 | 1,18,070 | 24 | 561 |
| | | | | | | *Collections under Part III.* | | | | | |
| V | 2,000, but less than 2,500 ... | 620 | 31,602 | 75 | 4,336 | 254 | 13,449 | 1,002 | 58,783 | 8 | 440 |
| VI | 2,500 ,, ,, 5,000 ... | 882 | 71,646 | 145 | 13,343 | 626 | 52,890 | 2,361 | 2,26,940 | 17 | 1,671 |
| VII | 5,000 ,, ,, 10,000 ... | 540 | 66,810 | 78 | 14,737 | 207 | 32,804 | 684 | 1,20,695 | 15 | 2,033 |
| VIII | 10,000 ,, ,, 20,000 ... | 530 | 87,545 | 19 | 6,306 | 31 | 11,260 | 155 | 50,802 | 29 | 10,920 |
| IX | 20,000 ,, ,, 30,000 ... | 221 | 58,748 | 2 | 1,418 | 6 | 3,316 | 16 | 9,375 | 17 | 10,912 |
| X | 30,000 ,, ,, 40,000 ... | 65 | 29,766 | 1 | 924 | ... | ... | 1 | 761 | 21 | 18,911 |
| XI | 40,000 ,, ,, 50,000 ... | 30 | 23,787 | 1 | 1,042 | 2 | 1,623 | 1 | 1,046 | 9 | 10,158 |
| XII | 50,000 ,, ,, 1,00,000 .. | 7 | 9,510 | ... | ... | 1 | 361 | ... | ... | 55 | 1,03,990 |
| XIII | 1,00,000 and more ... ... | 1 | 5,208 | . | ... | ... | ... | ... | ... | 95 | 10,42,113 |
| | Total V to XIII ... | 2,896 | 3,84,632 | 321 | 42,106 | 1,127 | 1,16,602 | 4,220 | 4,68,422 | 266 | 12,03,057 |
| | | | | | | *Collections under Part III.* | | | | | |
| | GRAND TOTAL ... | 4,963 | 4,39,764 | 1,064 | 58,519 | 2,481 | 1,46,764 | 9,439 | 5,86,492 | 290 | 12,03,608 |
| | | | | | | *Collections under Part III.* | | | | | |
| | Total of previous year ... | 4,268 | 4,22,470 | 1,101 | 56,493 | 2,406 | 1,44,423 | 8,895 | 5,42,351 | 268 | 9,26,193 |
| | | | | | | *Collections under Part III.* | | | | | |

* Actually refunded ...
To be refunded ...

Total ...

## No. III.

*of 1886 as amended by Act XI of 1903 in the year 1908-09.*

| Interest on securities. | Other sources of income. | | Total collections in respect of the year's assessment. | | Penalties by Collector. | Fines by Magistrate. | Costs and miscellaneous. | Arrears of previous years. | Excess collections and advance payments. | Total of columns 17 to 22. | Refunds. | Net collections (column 23 minus column 24). |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Amount of tax. | Number of assessees. | Amount of tax. | Number of assessees. (Total of columns 3, 5, 7, 9, 11 and 14.) | Amount of tax. (Total of columns 4, 6, 8, 10, 12, 13 and 15.) | | | | | | | | |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Rs. | | Rs. | | Rs. | Rs. | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| ... | 10,511 | 2,10,[illegible] | [illegible],756 | 2,91,099 | 1,726 | ... | 1,111 | 29,063 | 1,694 | 3,24,693 | 1,194 | 3,23,499 |
| ... | 4,829 | 1,35,425 | [illegible],049 | 1,66,[illegible]11 | 725 | ... | 502 | 8,546 | 1,249 | 1,77,132 | 531 | 1,76,601 |
| ... | 3,105 | 1,08,417 | [illegible],515 | 1,50,526 | 405 | ... | 404 | 8,608 | 705 | 1,60,768 | 428 | 1,60,280 |
| ... | 2,149 | 90,761 | [illegible],781 | 1,58,003 | 553 | ... | 308 | 9,243 | 824 | 1,68,931 | 508 | 1,68,423 |
| ... | 20,594 | 5,45,411 | [illegible],001 | 7,65,739 | 3,467 | ... | 2,326 | 55,460 | 4,472 | 8,31,464 | 2,661 | 8,28,803 |
| 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | 1 |
| ... | 2,619 | 1,43,768 | 4,578 | 2,52,387 | 333 | ... | 535 | 12,400 | 1,351 | 2,67,006 | 327 | 2,66,679 |
| ... | 4,191 | 3,61,524 | 8,222 | 7,29,025 | 472 | ... | 755 | 21,955 | 1,306 | 7,52,511 | 765 | 7,51,746 |
| ... | 2,186 | 3,73,739 | 3,710 | 6,11,718 | 707 | ... | 546 | 23,342 | 1,397 | 6,37,710 | 865 | 6,36,845 |
| ... | 880 | 3,04,261 | 1,644 | 4,71,094 | 465 | ... | 223 | 15,198 | 443 | 4,87,423 | 443 | 4,86,980 |
| ... | 292 | 1,80,793 | 554 | 2,54,562 | 120 | ... | 127 | 9,453 | 1,761 | 2,76,023 | 1,761 | 2,74,262 |
| ... | 113 | 95,640 | 290 | 1,46,022 | 10 | ... | ... | 5,104 | 521 | 1,51,657 | 521 | 1,51,136 |
| ... | 62 | 70,112 | 195 | 1,08,678 | ... | ... | 34 | 4,366 | 517 | 1,13,595 | 517 | 1,13,078 |
| ... | 127 | 2,12,584 | [illegible] | 3,26,415 | ... | ... | 17 | 13,483 | ... | 3,40,395 | ... | 3,40,395 |
| ... | 81 | 5,93,305 | 17[illegible] | 16,41,626 | ... | ... | ... | 5,825 | ... | 16,47,451 | ... | 16,47,451 |
| ... | 10,550 | 23,35,706 | 19,380 | [illegible],825 | 2,107 | ... | 2,237 | 1,11,606 | 7,296 | 46,73,771 | 5,199 | 46,68,572 |
| 1,41,538 | ... | ... | ... | 1,41,538 | ... | ... | ... | ... | 575 | 1,42,113 | 417 | 1,41,696 |
| ... | 31,144 | 28,81,117 | 49,381 | 53,16,264 | 5,574 | ... | 4,563 | 1,67,066 | 11,768 | 55,05,235 | 7,860 | 54,97,375 |
| 1,41,539 | ... | ... | ... | 1,41,539 | ... | ... | ... | ... | 575 | 1,42,114 | 417 | 1,41,697 |
| | | Total ... | 49,381 | 54,57,803 | 5,574 | ... | 4,563 | 1,67,066 | 12,343 | 56,47,349 | 8,277* | 56,38,972 |
| | | *Add* excess collections on account of previous years ... | | | | | | 3,295 | | | | |
| | | Total collections ditto ditto ... | | | | | | 1,70,361 | | | | |
| | | *Deduct* refunds ditto ditto ... | | | | | | 7,624 | | | | |
| | | Net collections ditto ditto ... | | | | | | 1,62,737 | | | | |
| ... | 30,976 | 28,15,019 | 48,016 | 49,06,949 | 8,150 | ... | 6,146 | 1,42,056 | 9,233 | 50,72,534 | 6,745 | 50,65,789 |
| 1,25,173 | ... | ... | ... | 1,25,173 | ... | .. | ... | 672 | 9 | 1,25,854 | 9 | 1,25,845 |
| | | Total ... | ... | 50,32,122 | 8,150 | ... | 6,146 | 1,42,728 | 9,242 | 51,98,388 | 6,754 | 51,91,634 |
| | | *Add* excess collections on account of previous years ... | | | | | | 256 | | | | |
| | | Total collections ditto ditto ... | | | | | | 1,42,984 | | | | |
| | | *Deduct* refunds ditto ditto ... | | | | | | 1,825 | | | | |
| | | Net collections ditto ditto .. | | | | | | 1,41,159 | | | | |

| Rs. |
|---|
| 5,996 |
| 2,281 |
| 8,277 |

## RESOLUTION ON THE ADMINISTRATION OF THE STAMP DEPARTMENT IN BENGAL DURING THE YEAR 1908-09.

NOTIFICATION.

*No. 410S.R.—The 15th July 1909.*—The following Resolution by the Board of Revenue, L. P., regarding the administration of the Stamp Department in Bengal during the year 1908-09, together with an abstract of the receipts and charges for the year, is published for general information.

H. WHEELER,
*Secretary to the Govt. of Bengal.*

BOARD OF REVENUE, L.P.

MISCELLANEOUS REVENUE DEPARTMENT.

STAMPS BRANCH.

*RESOLUTION.*

THE HON'BLE MR. W. C. MACPHERSON, C.S.I.

*Dated Calcutta, the 9th July 1909.*

THE annual statistics of the Stamp Department for the year 1908-09 have been compiled in the prescribed Statements I to VII.

2. The figures of general receipts and charges for the year 1908-09 obtained from the Accountant-General have not as yet been finally verified, and are, therefore, liable to subsequent adjustment.

3. The revenue collected under the Stamp and Court-fees Acts amounted to Rs. 1,51,29,000, against Rs. 1,51,18,275* in the preceding year, showing an increase of Rs. 10,725. The increase of revenue which was obtained occurred entirely in court-fee stamps, and there was a decrease in the revenue collected under the general Stamp Act. The figures adopted in the revised budget estimate for the year were Rs. 1,57,00,000; the difference appears to be mainly due to the inclusion in the estimate of the sale-proceeds of unified stamps which have not been shown in the departmental accounts, but for which credit to the amount of Rs. 4,70,000 will hereafter be allowed by the Accountant-General under orders of Government of India, Financial Department, No. 1662A., dated the 28th March 1906.

*Exclusive of Rs. 4,70,000 on account of sale-proceeds of unified stamps credited to non-postal revenues.

The total charges during the year amounted to Rs. 4,01,698; the increase of 8·5 per cent. over the figures of 1907-08, being under "District Establishment" and "Refunds."

4. The sale-proceeds of court-fee stamps, excluding stamps for copies, rose from Rs. 98,73,553 to Rs. 1,00,51,023, that is, by Rs. 1,77,470. The greater portion of the increase was contributed by the districts of Calcutta (Rs. 2,10,317), Khulna (Rs. 26,012), Jessore (Rs. 19,888), Murshidabad (Rs. 19,784), Cuttack (Rs. 15,784) and Hazaribagh (Rs. 14,491). The increase in Calcutta is attributed mainly to the payment of high succession duties in the case of certain large estates. The increase in the other districts was due to increase in the number and value of suits.

The largest decrease Rs. 55,714, which occurred in Purnea, is mainly due to the conclusion of survey and settlement operations in that district. Muzaffarpur, Saran and Shahabad showed a decrease of Rs. 26,209, Rs. 26,644 and Rs. 24,509 respectively. The decrease in Muzaffarpur is attributed to the institution of fewer civil suits on account of the formation of a separate judgeship in Darbhanga. The decrease in Saran is ascribed to the falling off in the number of civil suits instituted on account of scarcity. The decrease in Shahabad is due to the decrease in the number and value of original suits and appeals.

5. There was a net decrease of Rs. 71,096 in the receipts from the sale of non-judicial stamps, due to the decline in receipts under the heads of hundis or inland bills of exchange, foreign bill stamps, share transfer stamps and

notarial stamps. In Calcutta there was a marked falling off of revenue amounting to Rs. 2,20,274, in comparison with the figures for the previous year. The decrease is due to a general stagnation in trade and to agricultural depression. The revenue derived from the sale of impressed stamps amounted to Rs. 25,49,818 in comparison with Rs. 24,82,913 in the preceding year. The increase in the number of deeds executed, which gave this increase of revenue, is ascribed to failure of harvests and the higher prices of food-grains. The receipts from the sale of impressed labels, which are used only in Calcutta, amounted to Rs. 11,19,948 against Rs. 11,17,810. The increase is attributed to the execution of a large number of mining leases. The receipts from the sale of share transfer stamps, which are practically confined to Calcutta, showed a decrease of Rs. 72,429. This is attributable to a decrease of speculation in coal shares. There was a decrease of Rs. 71,252 under the head "Miscellaneous Receipts" as compared with the previous year. The decrease was mainly in Calcutta and is due to the fact that Rs. 1,19,000, representing the duty on the Port Trust Debentures floated in the years 1900, 1903, 1905, 1906 and 1907, was realised in a consolidated form in the preceding year.

6. Two thousand eight hundred and ninety-seven vendors were licensed to sell judicial and non-judicial stamps during the year, or thirteen more than in the previous year. The largest increase (44) occurred in Midnapore. In Calcutta the number of vendors decreased by 4; and the reduction is attributed to the discontinuance of discount on postage stamps, as noticed in the preceding year's report. The discount allowed during the year exceeded that of the preceding year by Rs. 993 in consequence of increased sales.

7. The total number of cases in which deficient duty and penalty were levied by the Courts during the year shows an increase of 628, and there was an increase of Rs. 3,873 in the duty and penalty realised in comparison with the realisations of the preceding year. There was an increase of 539 in the number of cases decided and of Rs. 33,331 in the duty and penalty realised by Revenue Officers as compared with the figures of the previous year. The increase in the amount of duty and penalty occurred mainly in Calcutta, where it was due to the payment of large stamp duty on leases, assignments and sub-leases effected for coal lands. The rents, royalties and *salamies* which formed the consideration for these transactions were very large. The increase of cases in Hooghly and Murshidabad was due to the greater vigilance of Courts in detecting unstamped or insufficiently stamped documents.

8. The number of cases instituted for the infringement of the provisions of the Stamp Act was 2,186, in which 2,195 persons were tried or proceeded against, as compared with 567 cases and 579 persons in the preceding year. The fines imposed, including composition money, amounted to Rs. 9,562 against Rs. 4,429. In Calcutta there was a marked increase in the number of cases instituted and the amount of composition money levied as compared with the previous year. The increase was partly due to proceedings taken against certain Marwari bankers whose files contained a large number of unstamped documents. The imprisonment of an informer in 1907-08, on a charge of extortion, is said to have scared others and, in some measure, to have caused the decrease in prosecutions in 1907-08. All the Calcutta cases were compounded in the Collector's office and none was taken to a Magistrate.

The amount distributed in rewards was Rs. 8,081, against Rs. 4,351 in the preceding year. The number of persons convicted was 2,180, and the average fine imposed was a little more than Rs. 4. The amount disbursed in rewards in Calcutta amounted to Rs. 7,400, against Rs. 4,309 in the preceding year. The increase in the payment of rewards was due to the greater number of cases instituted. In Purnea the whole amount of the reward (Rs. 511) was paid to the ministerial officers who were instrumental in the detection of the cases in which criminal prosecutions were instituted.

9. Of the cases of the valuation of estates for the issue of probates or letters of administration reported during the year, 79·5 per cent. were enquired into. The corresponding percentage of the previous year was 70·2. The proportion borne by the deficit court-fees realised to the amount originally paid was 9·3 per cent., as compared with 6·4 per cent. in the previous year.

*Abstract of receipts and charges for the year ending the 31st March 1909.*

| | Receipts. | CHARGES. | | | | Net receipts. | Cost of general supervision. | Cost of stamps and plain paper supplied from central depôt. |
|---|---|---|---|---|---|---|---|---|
| | | Discount and establishment for sale of stamps. | Refunds. | Other charges. | Total. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Under the Stamp Act... | 43,28,501 | 1,20,078 | 59,170 | 26,798* | 2,06,046 | 41,22,455 | ... | 83,494 |
| Under the Court-fees Act. | 1,08,00,499 | 89,047 | 1,06,605 | ... | 1,95,652 | 1,06,04,847 | | 1,42,145 |
| Total ... | 1,51,29,000 | 2,09,125 | 1,65,775 | 26,798 | 4,01,698 | 1,47,27,302 | ... | 2,25,639 |
| Total of previous year... | 1,55,88,275† | 2,09,024 | 1,51,817 | 9,101 | 3,69,942 | 1,52,18,333 | ... | 1,91,829 |

* Includes Rs. 15,392 on account of district establishment, Rs. 8,061 on account of rewards to informers in stamp cases and Rs. 3,345 on account of contingencies.

† Includes Rs. 4,70,000 on account of share of sale-proceeds of unified stamps credited to non-postal revenues.

## PRELIMINARY FORECAST OF THE JUTE CROP OF BENGAL, 1909.

THE following note is published for general information.

C. G. H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 17th July 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### PRELIMINARY FORECAST OF THE JUTE CROP OF BENGAL, 1909.

[On an average of the five years ending 1906-07, the area under jute in the territory to which the Bengal forecast relates has represented 19·2 per cent. of the total area under jute in British India.]

IN accordance with the orders of Government, this forecast deals only with the estimated area sown. It gives also a general survey of prospects, but without any reference to the probable outturn either in percentage figures or in bales. The information upon which the forecast has been framed was submitted by the Collectors of the different districts between the 4th and the 7th of July. The information, therefore, refers to the area sown before the end of June and no account has been taken of the effect of climatic conditions on the crop since that date.

2. *Acreage.*—The estimated area sown during the current and four preceding years is given below :—

| | | | Acres. |
|---|---|---|---|
| 1905 | ... | ... | 569,300 |
| 1906 | ... | ... | 780,400 |
| 1907 | ... | ... | 931,200 |
| 1908 | ... | ... | 548,700 |
| 1909 | ... | ... | 512,800 |

In addition, there was an area of 22,000 acres in 1908 in the State of Cooch Behar: the area sown this year is estimated at 20,000 acres.

The local officers ascribe the decrease in the area sown in Purnea to the high price of rice and the fall in the price of jute.

3. *Weather conditions.*—Purnea is the most important jute-growing district in Bengal. It produces one-third of the crop. The other important districts are Hooghly, Howrah, the 24-Parganas, Nadia, Murshidabad and Jessore. The weather conditions were generally favourable in those districts.

Although March was very dry; copious showers fell in April, the fall being much in excess of the normal. May was also showery, but the fall was slightly below the average. In the beginning of June, there was a heavy rainfall and some damage was caused to the crop in Purnea and in parts of Murshidabad, Cooch Behar and Darjeeling. The season

has been favourable for sowings, but the cultivation of the crop has not expanded, probably owing to the low prices.

Below is the usual statement of the rainfall in the seven principal jute-growing districts from March to June for the current and the four years preceding :—

| NAME OF DISTRICT. | 1905. | 1906. | 1907. | 1908. | 1909. |
|---|---|---|---|---|---|
| Purnea ... | 16·79 | 15·54 | 16·87 | 10·97 | 33·90 |
| 24-Parganas | 18·80 | 14·01 | 27·75 | 22·58 | 28·27 |
| Hooghly ... | 16·92 | 12·52 | 24·70 | 22·09 | 25·67 |
| Jessore ... | 21·78 | 17·26 | 29·19 | 24·74 | 26·40 |
| Nadia ... | 23·57 | 13·36 | 24·87 | 24·45 | 23·58 |
| Howrah | 17·18 | 13·06 | 27·18 | 28·05 | 28·12 |
| Murshidabad | 19·96 | 11·71 | 20·66 | 16·48 | 23·26 |

4. *District returns.*—The total area under jute, inclusive of that in the State of Cooch Behar, is estimated at 532,800 acres, against 570,700 acres last year. The District Officers of Midnapore, Bhagalpur, the Sonthal Parganas and Cuttack report that sowings were not completed by the end of June.

5. *Conditions and prospects.*—The crop in Purnea, Hooghly, Nadia, Murshidabad, Jessore, Burdwan, Champaran, Bhagalpur, Balasore, as well as in parts of Midnapore, Howrah, and the 24-Parganas, is reported to be good. It is poor in Cooch Behar and Darjeeling.

6. *General.*—Very little of last year's crop remains in the districts, except in the case of Cooch Behar.

7. *Combined forecast of Bengal and Eastern Bengal and Assam.*—The Director of Agriculture of Eastern Bengal and Assam reports that the area under jute last year is now estimated at 2,286,000 acres. His forecast of the area sown this year is 2,195,300 acres, representing a decrease of 4 per cent. Taking the two Provinces together and including Cooch Behar, the area sown this year is calculated to be 2,728,100 acres, a decrease of 4½ per cent. on the revised estimates for last year.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 14th July 1909.*

---

THE following extracts from the weekly Weather and Crop Report, received on the [illegible] July 1909, are printed for information :—

*Purnea.*—Rainfall 0·61 inch. Weather hot and occasionally cloudy. Prospects of the crop generally good, but the crop partially damaged by floods in the Kishanganj subdivision.

*Hooghly.*—Rainfall 0·25 inch. Weather seasonable. Condition of the crop fair.

*24-Parganas.*—Rainfall 2·57 inches. Weather seasonable. Weeding of the crop is over.

*Jessore.*—Rainfall 1·10 inches—Weather seasonable. Condition of the crop favourable.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 14th July 1909.*

# APPENDIX I.

*Preliminary Forecast of the Jute Crop of Bengal, 1909.*

| Division. | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Whether much, little, or no jute remains in the district from the crop of the year 1908. | Figures from the Cadastral Survey. | | | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | Acres. | Acres. | Acres. | Acres. | | Acres. | | Acres. | | |
| Burdwan ... | Burdwan ... | 1,721,990 | 1,284,200 | 12,800 | 16,300 | Little ... | 85,236 | 1899-92 and 1903-04 to 1907-08. | 1,330 | Beginning of May. | The weather and rainfall has been favourable. The condition of the crop is good. The sowings were normal and have been completed. The crop of this year is expected to be better than that of last year. The increase in the area is due to favourable weather. |
| | Midnapore ... | 3,712,040 | 2,190,600 | 10,400 | 10,700 | Little everywhere except in some parts of Contai. One-third of last year's produce in Ghatal has undisposed. | 35,342 | 1893 to 1898. | 29 | Beginning of May in the Contai and Sadar subdivisions, middle of May in Ghatal, and middle of April in Tamluk. | The weather and the rainfall was favourable everywhere except in Contai. The condition of the crop is good everywhere except in some parts of Contai. Sowings were normal in the Sadar, Tamluk and Contai subdivisions and late in Ghatal. Sowings have been completed in the Sadar and Ghatal subdivisions, and are still going on in Contai and Tamluk. This year's crop is the same as that of last year in the Sadar subdivision, worse in Contai, and better in the Tamluk and Ghatal subdivisions. |

| Division. | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Whether much, little, or no into remains in the district from the crop of the year 1908. | Figures from the Cadastral Survey. | | | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | Acres. | Acres. | Acres. | Acres. | | Acres. | | Acres. | | |
| Burdwan—*concld.* | Hooghly ... | 761,210 | 445,900 | 51,900 | [illegible],400 | Very little | Not cadastrally surveyed | | | Latter part of April to the middle of May. | The rainfall was favourable for the crop. The crop is now good. Sowings were normal. Sowings have been completed. The crop is expected to be a normal one and better than that of last year. The increase in the area sown is due to seasonable rain and to favourable weather. |
| | Howrah ... | 326,400 | 250,600 | 33,900 | 33,800 | ... | ... | ... | ... | Second week of May at the Sadar subdivision and the first week at Uluberia. | There was little rain in the beginning of the season, but heavy rain followed. The condition of the crop in the Sadar subdivision is reported to be on the whole good, while at Uluberia it is fair. The date of sowing was early in the Sadar subdivision and normal in the Uluberia subdivision. Sowings have been completed. The crop is expected to be slightly better than that of last year. There is a falling off in the area sown in the Uluberia subdivision. |
| | 24-Parganas ... | 3,109,533 | 1,068,700 | 55,100 | 60,000 | Very little | ... | ... | ... | Middle of April. | The rainfall was generally favourable. The present condition of the crop is good, except in the Basirhat and Barasat subdivisions, where it is fair. Sowings were normal. They have been completed. The crop is expected to be better than that of last year. |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRESIDENCY | Nadia | ... | 1,787,520 | 1,048,806 | 43,900 | 36,100 | Little | ... | Not cadastrally surveyed. | | Middle of April. | The rainfall has been favourable. The condition of the crop is good. Sowings have been normal. They have been completed. The crop is expected to be better than the normal and that of last year. The decrease in the area sown is due to the prevailing low prices of jute and high prices of paddy. |
| | Murshidabad | . | 1,371,520 | 985,500 | 30,100 | 16,000 | Little | ... | ... | ... | April and May. | The weather and rainfall have been favourable. The crop is good at present. Sowings were normal. They have been completed. The crop of this year is expected to be better than that of last year. The decrease in the area sown is due to the fall in prices. |
| | Jessore | | 1,872,153 | 1,191,000 | 49,800 | 48,700 | Little | .. | ... | ... | April | The rainfall was favourable. The crop is good at present. Sowings were normal and they have been completed. The crop of this year is expected to be better than that of last year. |
| | Khulna | . | 3,048,016 | 870,100 | 16,700 | 16,200 | Some | . | 130,766 | 1903-04 to 1907-08. | 8,727 | 1st May ... The rainfall was favourable in the Sadar and Satkhira subdivisions, but unfavourable in the Bagerhat subdivision. The present condition of the crop appears to be fair. Sowings were normal this year. They have been completed. The crop of this year is expected to be better than that of last year. The decrease in the area sown this year is due to the fall in the price of jute and to the rise in that of paddy. |
| TIRHUT .. | Champaran | ... | 2,229,840 | 1,447,600 | 2,000 | 1,500 | Little | .. | 2,259,940 | 1892 to 1899. | 606 | March ... The rainfall was favourable. The condition of the crop is good at present. Sowings were a little late for want of rain in February and March. Sowings have been completed. The crop is expected to be normal. The decrease in the area sown is due to many indigo factories having given up experimental cultivation on account of the fall in price and low outturn in previous years owing to drought. |

| Division | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Whether much, little, or no jute remains in the district from the crop of the year 1908 | Figures from the Cadastral Survey. | | | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | Acres. | Acres. | Acres. | Acres. | | Acres. | | Acres. | | |
| Tirhut—*concluded.* | Muzaffarpur ... | 1,942,400 | 1,627,000 | 1,[illegible] | 2,000 | None ... | 1,942,400 | 1892-93 to 1898-99. | 500 | From the middle of April to middle of May. | The rainfall was generally favourable. The crop is fair at present. Sowings were early and are practically completed. Owing to unfavourable weather for the past two years and to the fall in the price of jute, the cultivation is decreasing. Very little if any jute is now grown for the outside market, and most of the crop sown this year is indigenous. |
| Bhagalpur | Bhagalpur ... | 2,704,640 | 2,073,300 | 6,700 | 6,700 | Little ... | 1,223,440 | 1902 to 1904. | 151 | Last week of May. | The rainfall was favourable. The condition of the crop is good at present. Sowings were early. They are still going on. The crop of this year is expected to be better than that of last year. |
| | Purnea ... | 3,196,153 | 1,694,400 | 212,300 | 175,000 | Very little | 2,500,340 | 1901-02 and 1904-05. | 98,903 | Second week of April. | The rainfall was favourable. The present condition of the crop is good, but the crop on low lands [illegible] partially damaged by heavy [illegible]. Sowings were normal and were completed in May. The outturn of the crop is expected to be better than that of last year. The area under this crop, both in the Sadar and Kishenganj subdivisions, has decreased owing to the scarcity prevailing for the last three years, for which reason the cultivators are sowing paddy on jute lands. The heavy fall in the price of jute last year and year before last has discouraged the cultivators, who think that jute will be cheaper this year than last year. |
| | Darjeeling .. | 744,956 | 124,500 | 3,100 | 3,100 | Very little | 200,519 | 1897-98 and 1901-02. | 2,339 | Middle of April. | The rainfall was unfavourable. The present condition of the crop is unfavourable owing to excessive rain. Sowings were normal and have been completed. The crop of this year is expected to be a little less than that of last year. |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sonthal Parganas. | 3,500,900 | 1,545,300 | 1,200 | 600 | Very little | 3,272,009 | 1889 to 1903-04. | 1,247 | 20th April | The rainfall was not favourable. The condition of the crop is fair. Sowings have not been completed in the Rajmahal subdivision. The crop of this year is expected to be better than that of last year. The decrease in the area sown this year at the Rajmahal subdivision is due to want of rainfall in April and May. It is reported that the cultivation of the crop is being given up in the Rajmahal subdivision owing [illegible] prices which prevailed last year. |
| Orissa ... | Cuttack ... | 2,338,500 | 1,223,500 | 14,200 | 9,800 | Nil ... | 2,088,437 | 18[illegible] to 1903-07. | 652 | First week of May. | The rainfall was not favourable. The present condition of the crop is fair. Sowings were normal this year. They are still going on in the district. It cannot be said at present whether the crop will be better or worse than that of last year, as in some places sowings have not been completed and in other places the plants are yet in a very early stage of growth. The decrease in the area sown is mainly due to the low price at which jute was sold last year, and partly to the fact that the sowing has not yet been completed. |
| | Balasore ... | 1,334,308 | 932,200 | 3,600 | [illegible] | Little ... | 1,096,778 | 1891-92 to 1894-95. | 133 | First week of May. | The rainfall was favourable. The present condition of the crop is good. Sowings were normal and have been completed. The crop of this year is expected to be better than that of last year. There has been an increase in the area sown owing to the favourable weather at the time of sowing. |
| | Total, Bengal ... | 35,334,009 | 20,058,100 | 548,700 | 512,800 | | | | | | |
| | Add for Cooch Bihar. | 836,48[illegible] | 527,900 | 22,000 | 20,000 | Much ... | 843,439 | 1872 and 1827-1892. | Not ascertained. | Generally in the middle of April. | The rainfall was unfavourable. The condition of the crop is rather poor. Sowings were late. They have been completed. The crop of this year is worse than that of last year. The decrease in the area sown this year is due to the increase in the area under early rice owing to the rise in the prices of food-grains to unfavourable rainfall, and to the existence of a large stock from the crop of 1908. |
| | Total, including Cooch Behar. | 36,169,579 | 20,586,000 | 570,700 | 532,800 | .. | ... | ... | ... | ... | |

# APPENDIX II.

*Statement of Rainfall from March to June each year from 1905 to 1909.*

| Name of district. | Rainfall in 1905. | | | | Rainfall in 1906. | | | | Rainfall in 1907. | | | | Rainfall in 1908. | | | | Rainfall in 1909. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | March | April. | May. | June. | March. | April. | May. | June. | March. | April. | May. | June. | March. | April. | May. | June. | March. | April. | May. | June. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. |
| Burdwan ... ... | 3·95 | 3·61 | 6·92 | 3·15 | 2·46 | 0·01 | 3·47 | 4·77 | 3·48 | 1·19 | 3·09 | 9·93 | 0·26 | 0·56 | 5·15 | 16·10 | Nil | 7·08 | 4·51 | 13·84 |
| Midnapore ... | 3·62 | 3·10 | 4·87 | 2·93 | 2·40 | 0·02 | [illegible] | 7·87 | 4·26 | 1·16 | 3·76 | 15·85 | 0·09 | 0·07 | 5·61 | 13·13 | 0·08 | 6·05 | 4·29 | 11·67 |
| Hooghly ... ... | 2·05 | 5·00 | 7·33 | 2·54 | 3·27 | 0·01 | [illegible] | 4·94 | 3·86 | 1·89 | 4·86 | 14·09 | 0·02 | 0·49 | 4·46 | 17·10 | Nil | 8·32 | 4·31 | 13·04 |
| Howrah ... ... | 4·11 | 4·11 | 6·96 | 2·00 | 2·73 | 0·01 | 4·08 | [illegible] | 3·49 | 1·31 | 6·26 | 16·12 | 0·12 | 0·21 | 4·65 | 23·07 | Nil | 6·51 | 3·80 | 17·81 |
| 24-Parganas .. | 3·43 | 5·21 | 8·06 | 2·10 | 2·06 | 0·02 | 4·57 | 7·60 | 4·42 | 1·55 | 4·64 | 17·14 | 0·04 | 0·15 | 3·02 | 19·37 | 0·01 | 6·00 | 5·44 | 16·82 |
| Nadia ... ... | 4·42 | 4·77 | 10·12 | 4·26 | 1·92 | 0·01 | 4·53 | 6·90 | 3·80 | 4·21 | 5·78 | 11·08 | 0·20 | 0·68 | 3·40 | 20·17 | Nil | 6·66 | 5·42 | 11·50 |
| Murshidabad .. | 3·91 | 2·83 | 8·88 | 4·34 | 1·62 | 0·13 | 2·85 | 7·44 | 1·83 | 3·65 | 4·10 | 11·48 | 0·01 | 0·16 | 2·22 | 14·09 | Nil | 4·45 | 3·38 | 15·43 |
| Jessore ... ... | 3·33 | 4·80 | 8·96 | 4·69 | 2·04 | Nil | 7·96 | 6·63 | 4·03 | 4·63 | 7·01 | 13·52 | 1·04 | 1·06 | 5·57 | 17·07 | 0·02 | 7·13 | 6·44 | 12·81 |
| Khulna ... ... | 5·81 | 5·76 | 6·17 | 4·84 | 1·58 | 0·16 | 4·58 | 7·07 | 5·99 | 4·96 | 5·91 | 12·96 | 0·33 | 0·52 | 6·11 | 13·15 | 0·01 | 5·08 | 6·91 | 15·76 |
| Champaran ... | 0·77 | 0·64 | 3·57 | 4·83 | 0·08 | 0·02 | 0·99 | 8·33 | 1·38 | 0·71 | [illegible] | 4·25 | 0·64 | Nil | 0·80 | 5·87 | Nil | 4·79 | [illegible] | [illegible] |
| Muzaffarpur ... | 1·04 | 0·73 | 2·90 | 2·26 | 0·22 | 0·01 | 2·08 | 6·86 | 1·62 | 1·11 | 0·99 | 6·10 | 0·28 | Nil | [illegible] | [illegible] | Nil | 2·79 | 1·26 | 16·60 |
| Bhagalpur ... | 1·55 | 1·13 | 5·18 | 2·26 | 0·36 | 0·05 | 2·53 | 10·26 | 1·90 | 1·39 | 3·16 | 9·63 | 0·19 | 0·00 | 2·43 | 3·94 | Nil | 2·41 | 1·82 | 16·99 |
| Purnea ... | 1·25 | 2·70 | 6·38 | 6·46 | 0·21 | 0·09 | 3·45 | 9·68 | 1·50 | 2·46 | 3·39 | 9·52 | 0·52 | 0·62 | 4·61 | [illegible] | Nil | 4·66 | 2·46 | 26·75 |
| Darjeeling ... ... | 1·66 | 3·81 | 9·62 | 16·97 | 1·97 | 0·75 | 8·38 | 19·80 | 3·46 | 4·93 | 7·57 | 22·65 | 2·16 | 1·74 | 11·88 | 16·43 | Nil | 7·31 | 8·34 | 35·27 |
| Sonthal Parganas | 3·00 | 1·13 | 4·63 | 1·82 | 0·86 | 0·07 | 2·09 | 6·95 | 2·82 | 1·39 | 2·96 | 11·76 | 0·13 | 0·10 | 2·37 | 8·94 | Nil | 3·01 | 1·68 | 15·03 |
| Cuttack .. ... | 3·13 | 1·50 | 4·70 | 3·02 | 0·26 | 0·20 | 2·22 | 8·91 | 2·00 | 5·71 | 2·46 | 8·05 | 1·12 | 0·10 | 1·54 | 14·65 | 0·06 | 4·43 | 3·37 | 9·86 |
| Balasore ... ... | 3·97 | 3·89 | 2·71 | 3·95 | 2·22 | 0·06 | 3·80 | 9·30 | 2·34 | 4·86 | 3·75 | 10·74 | 0·55 | 0·16 | 3·25 | 10·04 | 0·26 | 6·59 | 4·34 | 10·62 |

## WEATHER AND CROP REPORT.

*For the week ending the 19th July 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·86 | | 8½ | Weather cloudy. Transplantation of paddy seedlings going on briskly in parts of the Kalna and Katwa subdivisions. Rain urgently needed in the Sadar subdivision excepting Raina thana. Condition of jute and sugarcane good. Stocks of food-grains and fodder and drinking water sufficient. Cattle-disease reported from Sahibganj thana. |
| 2 | BIRBHUM ... | 1·21 | 9 | 9 | Rainfall at Rampur Hât 0·68 inch. Paddy seedlings being transplanted. More rain required. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 2·89 | 9½ | 9½ | Rainfall at Vishnupur 3·45 inches. Weather cloudy with occasional rain. Transplantation of *aman* paddy going on. More rain wanted. Condition of sugarcane fair. No cattle-disease. Fodder and water sufficient. |
| 4 | MIDNAPORE . | 3·37 | 9 | 9 | Rainfall at Contai 5·99, at Tamluk 1·78, at Ghatal 1·77 inches. Sowings of winter rice over. Transplantation going on except in Ghatal, where it is retarded for want of sufficient rain. Prospects of jute fair. Fodder and water sufficient. No cattle-disease. Common rice selling at 11 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·90 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. Prospects of jute and *aus* paddy fair. Transplantation of *aman* paddy continuing. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 0·75 | 9 | 9 | Transplantation of winter rice in progress. Jute not doing well in places in the Uluberia subdivision and in the greater part of the Sadar subdivision on account of the recent heavy rainfall. *Aus* paddy and sugarcane doing fairly well. Fodder and water sufficient. Agricultural stock in good condition. |
| 7 | 24-PARGANAS | 2·04 | 9½ | 9½ | Weather seasonable. Weeding of jute over. Common rice selling at 9 seers per rupee at Barrackpore, at 8 seers at Barasat, at 9⅜ seers at Diamond Harbour, and at 10¼ seers at Basirhat. |
| 8 | NADIA ... | 2·28 | 8 9/16 | 8¾ | Rainfall at Ranaghat 1·20, at Chuadanga 2·04, at Kushtia 0·50, and at Meherpur 1·13 inches. More rain wanted for transplantation of *aman* paddy. Prospects of standing crops good. Harvesting of *aus* paddy continuing on low lands. Weather generally favourable for jute. Condition of jute good, but insects doing some damage in Meherpur, Chuadanga and Ranaghat subdivisions. Prices of staple food-grains slightly risen. Stocks of food-grains and fodder and water sufficient. Cattle-disease prevailing in Gangani and Karimpur thanas. |

| No. | Name of district. | Rainfall at sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 0·55 | 8 | 8 | Weather seasonable. Rainfall at Lalbagh 0·89, at Kandi 0·99 and at Jangipur 0·79 inch. More rain wanted at the Sadar, Jangipur and Kandi subdivisions. Jute prospering everywhere. Sowings finished. Prospects better than last year. Weather and rainfall normal. Transplantation of *aman* paddy continuing. Condition of mulberry, *aus* paddy and sugarcane fair. Cattle-disease of virulent type reported from Khargaon thana of the Kandi subdivision. Condition of agricultural stock good. Fodder and water sufficient. |
| 10 | JESSORE ... | 2·44 | $9\frac{11}{16}$ | $9\frac{1}{2}$ | Rainfall at Jhenidah 1·08, at Magura 0·76, at Narail 1·83 and at Bangaon 3·51 inches. Weather seasonable. Rainfall general. More rain badly wanted. *Aus* paddy and jute thriving well. Condition of jute favourable. Stocks of food-grains and fodder and water sufficient. Condition of agricultural stock good. Cattle-disease reported from the Jhenidah subdivision. |
| 11 | KHULNA ... | 3·53 | 10 | 10 | Rainfall at Bagerhat 4·68 and at Satkhira 3·46 inches. Prices of food-grains stationary. Stocks of food-grains sufficient till next harvest. Transplantation of winter rice commenced. No apprehension of famine. Prospects of jute and other standing crops fair. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 1·30 | $8\frac{1}{2}$<br>13* | $8\frac{1}{2}$<br>$13\frac{1}{8}$* | Weather hot and cloudy at times. Sowings of *bhadoi* crops approaching completion. Their prospects favourable. Paddy being transplanted on low lands. Stocks of food-grains sufficient. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Selao, Nawbatpore, Manaer and Paliganj Police-stations. |
| 13 | GAYA ... | 0·59 | $9\frac{5}{8}$†<br>$12\frac{1}{8}$* | $9\frac{5}{8}$†<br>$11\frac{7}{8}$* | Weather cloudy. Weeding of *bhadoi* crops and transplantation of paddy going on. Prospects of crops favourable. Prices almost stationary. Fodder and water for cattle sufficient. Cattle-disease reported from three villages. |
| 14 | SHAHABAD ... | 1·21 | 9<br>10* | 9<br>11* | Rainfall at Buxar 1·53, at Sasaram 0·39, at Bhabhua 0·51 and at Dehri 0·45 inches. Sugarcane doing well. Sowings of winter paddy continuing. *Bhadoi* crops damaged to some extent by floods. Prices of food-grains stationary. Food-stocks below the normal. Condition of agricultural stock normal. Fodder and water sufficient. |
| 15 | SARAN ... | 1·77 | 9<br>$13\frac{1}{2}$* | $8\frac{3}{4}$<br>$13\frac{1}{2}$* | Rainfall at Gopalganj *nil* and at Siwan 0·31 inch. Weather hot. More rain wanted. Weeding of *bhadoi* crops and transplantation of paddy going on. Prices of staple food-crops stationary. Condition of agricultural stock fair. Cattle-disease reported from Barharia and Darauli thanas. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 0·20 | 9<br>14* | 8¾<br>14* | Weather seasonable. Rainfall at Bettiah 0·17 inch. Sowings of *bhadoi* crops and *aghani* paddy nearly completed. Transplantion of *aghani* paddy commenced in places. Prospects excellent. Condition of jute fair. Cattle-disease reported from Gobindganj and Segowlie thanas. Fodder and water sufficient. |
| 17 | MUZAFFARPUR | 0·95 | [illegible]<br>[illegible]* | 9<br>13* | Weather hot and cloudy. Rainfall at Sitamarhi 0·18 inch. Much good done to *bhadoi* crops by the break in the rains. Common rice and *makai* selling at 8 and 12¾ seers a rupee, respectively, at Sitamarhi, and at 8 and 11½ seers a rupee, respectively, at Hajipur. Fodder and water sufficient. Cattle-disease reported in Akra. Number of persons gratuitously relieved and in poor-houses and kitchens on the 15th July—1,565. |
| 18 | DARBHANGA ... | 0·24 | 8<br>13* | 8<br>13* | Weather hot. Prospects of *bhadoi* crops good and improved by the bright sunshine of the week. Transplantation of paddy in progress. Food-stocks sufficient. Fodder and water sufficient. Number of persons on relief-works on the 15th instant—993. Number of persons gratuitously relieved—26,366. Relief operations being closed rapidly. *Makai* selling at 13 seers per rupee in the Darbhanga *bazar*, but dearer in the interior. |
| 19 | MONGHYR ... | 0·52 | 8<br>12* | 8<br>12* | Weather cloudy with easterly winds and occasional showers. Transplantation of paddy going on. Prices of staple food crops stationary. No cattle-disease. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 0·80 | 8 3/16<br>12 3/8* | 8 3/16<br>11 3/8* | Weather seasonable. Transplanting of paddy going on. Prospects of standing crops excellent. Sowings of jute almost finished. Condition of jute, *makai*, *marua* and paddy good. More rain wanted in the Banka subdivision. *Marua* being harvested in most places in the Supaul subdivision and new *marua* being sold at 20 seers per rupee there. Cattle-disease reported from the Sapaul thana. Apprehension of famine over. Stocks of food-grains sufficient. Fodder and water sufficient. Condition of agricultural stock good. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 0·62 | 8 | 8 | Weather hot and cloudy. Transplantation of *aghani* paddy going on, but rain badly needed. Prospects of *bhadoi* paddy and jute generally good. Stocks of food-grains sufficient, due to imports. Condition of agricultural stock good. Stray cases of cattle-disease reported from Gopalpur and Kadwa thanas. Fodder and water sufficient. Common rice selling at 8 seers a rupee at Kishanganj. Araria report not received. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and stat and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 6·03 | 8<br>13* | 8<br>13* | Rainfall at Siliguri 5·86 inches. Weather seasonable. Hills—maize, potatoes, *bara* and *chota marua* and *bhadoi* paddy growing well. Terai—Transplantation of winter rice in progress. *Bhadoi* crops and sugarcane doing well. Prospects of jute fair. Prices stationary. Food-grains sufficient. |
| 23 | SONTHAL PARGANAS. | 1·12 | 9<br>12* | 9<br>12* | Rainfall at Deoghar 1·19, at Godda 0·66, at Jamtara 0·61, at Pakour 1·72 and at Rajmahal 0·87 inch. More rain wanted except in Pakaur. Transplantation of paddy going on. Maize doing well. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. No cattle-disease reported. Fodder and water sufficient. Jute slightly damaged by rain in the Pakaur subdivision. |
| 24 | CUTTACK ... | 2·04 | 10½ | 10½ | *Beali* paddy being weeded and in some places in ear. *Saradh* paddy being transplantated. Sugarcane and *mandia* growing well. Condition of jute fair. Fodder and water sufficient. Condition of cattle good. Heavy rain reported from Jajpur, the fall being 10 inches within 48 hours on the 12th and 13th. |
| 25 | BALASORE ... | 3·03 | 11½ | 11½ | Weather seasonable. Puddling and transplanting of *saradh* paddy and weeding of *beali* paddy continuing. Sugarcane and vegetables thriving. Weeding of jute continuing. Prospects good. Common rice selling at 11½ seers a rupee at Bhadrak. Prices stationary. Fodder and water sufficient. |
| 26 | ANGUL ... | 3·25 | 15 | ... | Rainfall at Phulbani 3·10 inches. Weather cloudy and rainy. Puddling and transplanting of winter paddy in progress. Sugarcane doing well. Condition of agricultural stock good. Common rice selling at 22 seers a rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported from the Khondmals. |
| 27 | PURI ... | 9·12 | [illegible] | 9 3/16 | Weather cloudy. Puddling of *saradh* paddy, transplantion of *mandia* and *saradh* paddy and weeding of *beali* paddy and *mandia* going on. Sugarcane cotton, jute and *til* thriving well. Common rice selling at 10½ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 4·87 | 11¼ | 11¼ | Weather cloudy. Thinning and transplanting of autumn and winter rice in progress. Condition of sugarcane good. Sugarcane being tried. Stocks of food-grains, fodder and water supply sufficient. No apprehension of scarcity. Rinderpest and anthrax reported. Cheapest common rice selling at 13½ seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 3·13 | 8¼<br>12* | 8½<br>11½* | Weather seasonable. Transplantation of paddy in progress. Standing crops in good condition. Fodder and water sufficient. Cattle-disease in one thana. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 5·14 | 8¼ | 9 | Weather hot and cloudy. Ploughing still going on. Transplantation of paddy commenced in places. Standing crops doing well. Fodder and water sufficient. |
| 31 | PALAMAU ... | 4·55 | | 8⅞ | Weather seasonable. Rainfall general. Winter paddy and *bhadoi* crops doing well. Fodder and water sufficient. Some cattle-disease. 230 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 1·19 | 9½ | 10 | Weather seasonable. State of standing crops good. Transplantation of winter rice retarded for want of sufficient rain. Fodder and water sufficient. Cattle-disease reported from Nirsha thana. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 2·81 | 9 | 9 | Weather cloudy and rainy. Transplantation of paddy going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 11 seers per rupee at Kharswan and Seraikella respectively. |
| 34 | COOCH BEHAR | 0·88 | 7 8/11 | 7 3/11 | Weather hot and cloudy. Transplanting of *haimantik* seedlings and harvesting of *bitri* paddy continuing. Sowing of jute finished. Prospects and condition of jute fair. Prices of staple food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.† | ..... | .. .. | ..... | Name of State. Rainfall in inch<br>Athgarh ... ... 2·53<br>Athmallik ... ... 2·34<br>Baramba ... ... 1·92<br>Baud ... ... 2·44<br>Bonai ... ... 2·39<br>Daspalla ... ... 3·24<br>Dhenkanal ... ... 2·18<br>Gangpur ... ... 3·38<br>Hindol ... ... 1·78<br>Kalahandi ... ... 8·81<br>Keonjhar ... ... 2·10<br>Mayurbhanj ... ... 2·23<br>Nayagarh ... ... 1·66<br>Nilgiri ... ... 1·11<br>Pal-Lahara ... ... 7·02<br>Patna ... ... 0·83<br>Rairakhol ... ... 1·80<br>Raupur ... ... 1·52<br>Sonpur ... ... 1·24<br><br>Sowing of paddy almost finished and transplantation and puddling going on in almost all the States. The state of standing crops good. Fodder and water sufficient. Price of common rice varying from 11 seers in Mayurbhanj and 11½ seers in Athmallik to 16 seers in Bonai and 17 seers in Patna. |

† The report is for the week ending the 10th July 1909.

GENERAL SUMMARY.—The rainfall during the week was general over the Province: very heavy in parts of Cuttack, Puri and Darjeeling, moderate in Midnapore, Khulna, Balasore, Angul, Sambalpur, Hazaribagh, Ranchi and Palamau and light elsewhere. Transplantation of winter rice is in progress, but more rain is wanted for transplantation in some districts of the Burdwan and Presidency Divisions as well as in Saran, Bhagalpur, Purnea, the Sonthal Parganas and Manbhum. The cessation of rain has been beneficial for the autumn crops in Muzaffarpur and Darbhanga. Jute, sugarcane and other standing crops are doing well. Insects have done some injury to jute in parts of Nadia and some damage has been done to autumn paddy by floods in Shahabad. The price of common rice has risen in Nadia, Muzaffarpur, Puri, Hazaribagh, Ranchi and Manbhum, and has fallen in Jessore, Saran and Champaran. Rinderpest is reported from Sambalpur and cattle-disease prevails in parts of Murshidabad. Cattle-disease is reported also from Burdwan, Nadia, Jessore, Patna, Gaya, Saran, Champaran, Muzaffarpur, Bhagalpur, Purnea, Angul, Palamau and Manbhum. The fodder and water-supply is sufficient throughout the Province. In Darbhanga 993 persons attended famine relief works, but the works are now being closed. Gratuitous relief was given to 28,161 persons in Muzaffarpur, Darbhanga and Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 20th July 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 17th July 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 17th July 1909. | | | Week ending Saturday, the 18th July 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 415 | 38,853 | 593 | 315 | 30,135 | 378 |
| Jute ... ... | 7 | 1,715* | 18 | 60 | 16,630† | 250 |
| Firewood ... ... | 55 | 55,200 | 871 | 71 | 34,250 | 508 |
| Other articles ... ... | 559 | 1,[illegible]8,824 | 1,811 | 686 | 2,12,101 | 2,301 |
| Total ... | 1,086 | 2,[illegible],592 | 3,293 | 1,132 | 2,93,116 | 3,437 |

* Weight by canal measurement, [illegible]550 maunds.
† Ditto ditto, 20,262½ ,,

CALCUTTA,
*The 20th July 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th July 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| July | 11th | 139·4 | 4·9 | 29·451 | 84·2 | 88·2 | 7·4 | 80·8 | 81·1 | 1·012 | 79·6 | 85 | SE by E and SE by S. | 102 | 0·09 | Partially cloudy, d. |
| ,, | 12th | 144·4 | 7·4 | ·403 | 85·4 | 91·3 | 11·3 | 80·0 | 80·1 | 0·957 | 78·9 | 88 | SE by S, E and SSE | 128 | 0·15 | Partially cloudy, o, d, p. |
| ,, | 13th | 142·9 | 2·6 | ·432 | 84·2 | 88·5 | 8·1 | 80·4 | 79·2 | ·976 | 78·5 | 93 | ESE and SSE ... | 164 | 0·19 | Chiefly cloudy, o, d. |
| ,, | 14th | 133·7 | 0·3 | ·463 | 82·6 | 87·0 | 8·2 | 78·8 | 80·2 | 1·003 | 79·4 | 92 | SSE and SW by S | 101 | 0·10 | Chiefly cloudy, o, d, p. |
| ,, | 15th | 115·9 | 0·0 | ·412 | 83·1 | 86·7 | 6·7 | 80·0 | 79·2 | 0·969 | 78·3 | 91 | WSW, NW by W | 89 | 0·23 | Cloudy, o, d. |
| ,, | 16th | 144·2 | 6·0 | 377 | 82·3 | 88·2 | 11·3 | 76·9 | 78·5 | 944 | 77·5 | 90 | NW by W, SE by E and SSE. | 89 | 1·28 | Partially cloudy, d, p, t. |
| ,, | 17th | 140·6 | 3·7 | ·470 | 81·9 | 86·3 | 8·3 | 78·0 | 78·6 | ·916 | 77·5 | 90 | SSE and SSW ... | 133 | 0·13 | Chiefly cloudy. o, d. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·431 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·529 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 24·9 |
| The maximum possible number of hours of sunshine ... ... ... | 93·5 |
| | ° |
| The mean temperature of the seven days ... ... ... | 83·4 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·6 |
| The extreme variation of temperature ... ... ... ... | 14·4 |
| The maximum temperature ... ... ... ... | 91·3 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 13 |
| | % |
| The mean relative humidity ... ... ... ... ... | 90 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| | Inches. |
| The total fall of rain from 11th to 17th July 1909 ... ... ... | 2·17 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 2·76 |
| The total fall from 1st January to 17th July 1909 ... ... ... | 39·80 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 28·22 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; p, passing temporary showers; t, thunder.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 19th July 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of March 1909, compared with the corresponding period in 1908.*

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | [illegible]00 | 1,016 | 81 | 1,278 | ..... | 262 | 19 | ..... | |
| II.—Coal and coke carried for the Public and Foreign Railways. | [illegible]944 | 23,246 | 18,327 | 34,597 | 7,383 | 11,351 | ..... | ..... | Due to restriction in 1908. |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... | 52 | 706 | 9 | 41 | ..... | ..... | 43 | 665 | |
| 2. Manufactured— | | | | | | | | | |
| (a) Twist and yarn. — European | 9 | 113 | 17 | 184 | 8 | 71 | ..... | ..... | General development. |
| (b) Twist and yarn. — Indian ... | 405 | 4,326 | 746 | 7,189 | 341 | 2,863 | ..... | ..... | General development. |
| (c) Piece-goods — European | 1,492 | 15,786 | 1,606 | 17,923 | 114 | 2,137 | ..... | ..... | General development. |
| (d) Piece-goods — Indian ... | 335 | 3,142 | 472 | 3,395 | 137 | 253 | ..... | ..... | General development. |
| (e) Others ... ... ... | 27 | 295 | 59 | 1,093 | 32 | 798 | ..... | ..... | General development. |
| IV.—Chemicals, excepting saltpetre | 256 | 609 | 164 | 270 | ..... | ..... | 92 | 339 | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 4 | 73 | 3 | 58 | ..... | ..... | 1 | 15 | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 6 | 98 | 17 | 282 | 11 | 184 | ..... | ..... | |
| (b) Others ... ... | 1,103 | 6,729 | 1,621 | 11,612 | 518 | 4,883 | ..... | ..... | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 21 | 221 | 36 | 311 | 15 | 90 | ..... | ..... | |
| 2. Cutch ... ... ... | 60 | 477 | 12 | (—)822 | ..... | ..... | 48 | 1,299 | |
| 3. Indigo ... ... ... | ..... | ..... | 5 | 35 | 5 | 35 | ..... | ..... | |
| 4. Myrabolams ... ... | 5 | 53 | 7 | 80 | 2 | 27 | ..... | ..... | |
| 5. Tanning barks ... ... | [illegible]1 | 1,027 | 2,174 | 3,654 | 1,023 | 1,727 | ..... | ..... | |
| 6. Turmeric ... ... ... | [illegible] | 3,591 | 392 | 2,928 | ..... | ..... | 39 | 663 | |
| 7. Others ... ... ... | 12[illegible] | [illegible] | 54 | 571 | ..... | ..... | 75 | 249 | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... ... ... | 953 | 2,108 | 1,043 | 3,032 | 90 | 924 | ..... | ..... | |
| 2. Hay, straw and grass ... | 1,922 | 8,006 | 3,353 | 19,561 | 1,431 | 11,555 | ..... | ..... | |
| VIII.—Fruits and vegetables, fresh | 12,195 | 18,452 | 4,185 | 16,003 | ..... | ..... | 8,010 | 2,449 | |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 2,122 | 8,930 | 2,11[illegible] | 8,283 | ..... | ..... | 9 | 647 | |
| 2. Jawar and bajra ... | 2,247 | 11,826 | 8,244 | 73,288 | 5,997 | 61,462 | ..... | ..... | Demand in Tirhut. |
| 3. Rice — in the husk ... | 12,580 | 69,693 | 7,441 | [illegible],663 | ..... | ..... | 5,139 | 41,030 | Poor rice crop. |
| 4. Rice — not in the husk | 26,067 | 1,26,327 | 16,446 | 55,142 | ..... | ..... | 9,621 | 71,181 | Poor rice crop. |
| 5. Wheat ... ... ... | 559 | 1,536 | 2,982 | 25,240 | 2,423 | 23,704 | ..... | ..... | Demand for export. |
| 6. Wheat-flour ... ... | 385 | 2,372 | 432 | 2,526 | 47 | 154 | ..... | ..... | |
| 7. Makai ... ... ... | 4,104 | 13,376 | 14,997 | 1,14,298 | 10,893 | 1,00,922 | ..... | ..... | Demand in Tirhut |
| 8. Others ... ... ... | 3,080 | 10,809 | 2,339 | 12,202 | ..... | 1,393 | 741 | ..... | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 645 | 5,086 | 881 | 4,879 | 236 | ..... | ..... | 207 | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | |
| (b) Raw ... ... | 225 | 1,307 | 301 | 1,685 | 76 | 378 | ..... | ..... | |
| XI.—Horns ... ... ... ... | 6 | 34 | 4 | 23 | ..... | ..... | 2 | 11 | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 1,312 | 7,094 | 1,419 | 7,258 | [illegible] | [illegible]164 | ..... | ..... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... ... ... | 1,263 | 7,304 | 612 | 3,211 | ..... | ..... | 651 | 4,093 | |
| 2. Gunny-bags and cloth | 1,422 | 8,437 | 1,593 | 9,792 | 171 | 1,[illegible] | ..... | ..... | |
| XIV.—Lac ... ... ... ... | 127 | 717 | 111 | 620 | ..... | ..... | 16 | 97 | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | 6 | 14 | 5 | 18 | ..... | 4 | 1 | ..... | |
| 2. Wrought, excepting boots and shoes. | 6 | 54 | 6 | 71 | ..... | 17 | ..... | ..... | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 5 | 32 | 4 | 27 | ..... | ..... | 1 | 5 | |
| 2. Wines and spirits of all kinds, including country spirit. | 25 | 678 | 51 | 1,395 | 26 | 717 | ..... | ..... | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 35 | 352 | 49 | 400 | 14 | 48 | ..... | ..... | |
| 2. " wrought ... | 130 | 1,152 | 198 | 1,877 | 68 | 725 | ..... | ..... | |
| 3. Copper, unwrought ... | 1 | 21 | 1 | 13 | ..... | ..... | ..... | 8 | |
| 4. " wrought ... | 10 | 118 | 19 | 209 | 9 | 91 | ..... | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 32 | 169 | ..... | ..... | ..... | ..... | 32 | 169 | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 754 | 4,107 | 533 | 2,765 | ..... | ..... | 221 | 1,342 | |
| (b) Machinery and mill-work. | 78 | 718 | 76 | 384 | ..... | ..... | 2 | 334 | |
| (c) Other manufactures, including hardware and cutlery. | 625 | 4,180 | 782 | 5,928 | 157 | 1,748 | ..... | ..... | |
| 6. Metallic ores ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 7. Others ... ... ... | 325 | 2,329 | 355 | 2,657 | 30 | 328 | ..... | ..... | |

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substance— | | | | | | | | | |
| 1. Marble and stone ... | 2,165 | 2,700 | 3,427 | 5,002 | 1,262 | 2,302 | ..... | ..... | |
| 2. Chalk and lime ... | 1,024 | 3,241 | 1,510 | 5,712 | 486 | 2,471 | ..... | ..... | |
| 3. Others ... ... ... | .. | ..... | ... | ..... | ..... | ..... | ..... | ..... | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine ... ... ... | 1,786 | 7,871 | 2,709 | 10,915 | 923 | 3,044 | ..... | ..... | |
| 2. Castor .. ... ... | 87 | 669 | 61 | 354 | ..... | ..... | 26 | 315 | |
| 3. Cocoanut ... ... ... | 1 | 10 | 2 | 14 | 1 | 4 | ..... | ..... | |
| 4. Mustard and rape ... | 51 | 704 | 118 | 1,045 | 67 | 341 | ..... | ..... | |
| 5. Others ... ... ... | 18 | 640 | 37 | 310 | ..... | ..... | 61 | 330 | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor ... ... ... | 513 | 1,233 | 338 | 961 | ..... | ..... | 175 | 272 | |
| 2. Earthnuts ... ... | 1 | 3 | 3 | 11 | 2 | 8 | ..... | ..... | |
| 3. Linseed ... ... ... | 122 | 423 | 1,613 | 5,439 | 1,491 | 5,016 | ..... | ... | Better crops. |
| 4. Poppy ... ... ... | 1 | 3 | 19 | 84 | 18 | 81 | ..... | ..... | |
| 5. Rape and mustard ... | 8,315 | 37,447 | 14,311 | 54,075 | 5,996 | [illegible] | ... | ..... | |
| 6. Til or jinjili ... ... | 129 | 721 | 241 | 949 | 112 | 228 | ... | ..... | |
| 7. Others ... ... ... | 853 | 3,069 | 578 | 2,238 | ..... | ... | 275 | 831 | |
| XXI.—Opium ... ... ... | 396 | 4,729 | 4 0 | 6,151 | 94 | 1,422 | .... | ..... | |
| XXII.—Paper and Pasteboard ... | 262 | 717 | 381 | 867 | 119 | 150 | ... | ... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts ... | 134 | 1,418 | 161 | 2,215 | 27 | 97 | ..... | ..... | |
| 2. Ghee ... ... ... | 391 | 3,547 | 492 | 4,414 | 101 | 817 | ..... | ..... | |
| 3. Others ... ... ... | 868 | 3,952 | 761 | 4,866 | ..... | 914 | 107 | ... | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | .... | ..... | ... .. | ..... | ..... | ..... | .... | ..... | |
| 2. Carriages and trucks and parts thereof. | ... . | ..... | ..... | ..... | ..... | ... .. | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ... . | .. ... | ..... | .... | ..... | .. ... | ..... | ..... | |
| (c) Others ... ... | . | | ..... | ..... | ..... | .. | ... .. | ..... | |
| XXV.—Salt ... ... ... ... | 8,292 | 35,816 | 9,463 | 44,900 | 1,111 | 9,084 | ... .. | ... | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre ... .. | 1,522 | 5,706 | 2,228 | 8,100 | 706 | 2,400 | ..... | ..... | |
| 2. Other saline substances | 704 | 2,897 | 1,188 | 4,287 | 484 | 1,390 | ..... | ... | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | 1 | 2 | 1 | 2 | ..... | ... | |
| (b) Indian ... ... | ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ... | ..... | ..... | ... | ..... | ... .. | ..... | ... .. | |
| (b) Indian ... ... | ..... | .... | . | ..... | ..... | ... . | .. | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts ... ... | 436 | 3,326 | [illegible] | 2,614 | ... | ..... | 145 | 712 | |
| 2. Cardamoms ... ... | 12 | 140 | 13 | 157 | 1 | 17 | ..... | | |
| 3. Chillies ... ... ... | 2,176 | 9,484 | 1,486 | 6,639 | ... | .. | 690 | 2,845 | |
| 4. Ginger ... ... ... | 150 | 1,326 | 298 | 2,689 | 148 | 1,363 | ... .. | | |
| 5. Pepper ... ... ... | 68 | 771 | 89 | 929 | 21 | 150 | . | . | |
| 6. Others ... ... ... | 145 | 1,283 | 305 | 3,061 | 160 | 1,778 | ..... | ... .. | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 1,052 | 5,742 | 952 | 5,965 | ..... | 223 | 80 | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 6,673 | 40,639 | 3,564 | 21,167 | ... .. | ... .. | 3,109 | 19,472 | Failure of sugar cane crop. |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 80,056 | 95,192 | 11,545 | 61,134 | ..... | ... .. | 6,511 | 34,058 | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... .. | 2 | 28 | 2 | 32 | ... | 4 | ..... | ..... | |
| XXXI.—Tobacco— | | | | | | | | | |
| 1. Unmanufactured ... | [illegible] | 8,928 | 3,261 | 25,819 | 2,174 | 16,891 | .. | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars .. ... | 1 | 8 | 2 | 26 | 1 | 18 | ..... | ..... | |
| (b) Other sorts ... | 23 | 212 | 50 | 504 | 27 | 292 | ... | .. | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought ... | 3,041 | 9,885 | 5,070 | 13,322 | 2,029 | 3,437 | . . | ..... | |
| 2. Logs ... ... ... | 269 | 631 | 827 | 2,131 | 558 | 1,500 | ... .. | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ... . | ... | ..... | ..... | |
| 4. Manufactures ... ... | 526 | 3,940 | 579 | 4,656 | 53 | 716 | ..... | ..... | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw ... ... ... | 3 | 42 | 28 | 228 | 25 | 186 | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs .. | 1 | 7 | 5 | 58 | 4 | 51 | .. ... | ..... | |
| (b) (c) Piece-goods { European | ... .. | ..... | ... . | ..... | ..... | ..... | ..... | ..... | |
| (c) Piece-goods { Indian | 3 | 25 | 26 | 261 | 23 | 236 | ... .. | ..... | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Indigo-seed ... ... | 219 | 2,145 | 42 | 277 | ..... | ..... | 177 | 1,868 | |
| 2. Firewood ... . | 2,935 | 4,492 | 3,040 | 4,005 | 105 | ... | ... .. | 487 | |
| 3. Others, not specified above. | 5,863 | 31,908 | 6,686 | 40,008 | 823 | 8,100 | ..... | ..... | |
| Total .. | 1,60,212 | 7,17,694 | 1,74,607 | 8,44,708 | 50,517 | 3,13,037 | 36,122 | 1,85,993 | |

NOTE.—Three days, traffic less in corresponding period, which contained only 4 weeks of 7 days each.

ILLEGIBLE,
*Chief Auditor.*

GOLAKHPUR, *the 15th July 1909.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried over the East Indian Railway during the month of March 1909 as compared with the same period of 1908.*

| Staples. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... ... | 276 | 295 | 19 | ..... |
| Coal and coke [illegible]ed for the public and foreign railways ... ... ... ... ... | 605,716 | 594,417 | ..... | 11,299 |
| *Cotton*— | | | | |
| (1) Raw ... ... ... ... ... ... | 2,398 | 3,877 | 1,479 | ..... |
| (2) Manufactured— | | | | |
| (a) Twist and yarn, European ... ... | 102 | 115 | 13 | ..... |
| (b) Ditto, Indian ... ... ... | 1,079 | 1,483 | 404 | ..... |
| (c) Piece-goods, European ... ... ... | 4,324 | 5,516 | 1,192 | ..... |
| (d) Ditto, Indian ... ... ... | 492 | 566 | 74 | ..... |
| (e) Others ... ... ... ... ... | 217 | 165 | ..... | 52 |
| Chemicals, excepting saltpetre ... ... ... | 736 | 599 | ..... | 137 |
| *Drugs*— | | | | |
| 1.—Intoxicating, other than opium ... | 2 | 6 | 4 | ..... |
| 2.—Non-intoxicating— | | | | |
| (a) Medicinal preparations ... ... | 203 | 205 | 2 | ..... |
| (b) Others ... ... ... ... | | | | |
| *Dyes and Tans*— | | | | |
| 1.—Alizarine and aniline dyes ... ... | 21 | 14 | ..... | 7 |
| 2.—Cutch ... ... ... ... ... ... | 73 | 78 | 5 | ..... |
| 3.—Indigo ... ... ... ... ... ... | 17 | 39 | 22 | ..... |
| 4.—Myrabolams ... ... ... ... ... | 1,137 | 857 | ..... | 280 |
| 5.—Tanning barks ... ... ... ... | 1,107 | 785 | ..... | 322 |
| 6.—Turmeric ... ... ... ... ... | 664 | 636 | ..... | 28 |
| 7.—Others ... ... ... ... ... ... | 604 | 614 | 10 | ..... |
| *Fodder*— | | | | |
| 1.—Oilcake ... ... ... ... ... | 4,178 | 5,022 | 844 | ..... |
| 2.—Hay, straw and grass ... ... ... | 3,443 | 2,489 | ..... | 954 |
| Fruits and vegetables, fresh ... ... ... | 435 | 571 | 136 | ..... |
| *Grain and Pulse*— | | | | |
| 1.—Gram and pulse ... ... ... | 14,683 | 20,423 | 5,740 | ..... |
| 2.—Jowar and bajra ... ... ... ... | 4,566 | 4,502 | ..... | 64 |
| 3.—Rice in the husk ... ... ... ... | 2,702 | 18,857 | 16,155 | ..... |
| 4.—Rice not in the husk ... ... ... | 51,501 | 55,067 | 3,566 | ..... |
| 5.—Wheat ... ... ... ... ... ... | 6,836 | 13,101 | 6,265 | ..... |
| 6.—Wheat flour ... ... ... ... ... | 3,436 | 2,496 | ..... | 940 |
| 7.—Others ... ... ... ... ... ... | 5,256 | 5,149 | ..... | 107 |
| *Hides and Skins*— | | | | |
| 1.—Hides of cattle— | | | | |
| (a) Dressed or tanned ... ... ... | 2,346 | 2,811 | 465 | ..... |
| (b) Raw ... ... ... ... | | | | |
| 2.—Skins of sheep, &c.— | | | | |
| (a) Dressed or tanned ... ... ... | 941 | 1,447 | 506 | ..... |
| (b) Raw ... ... ... ... ... | | | | |
| Horns ... ... ... ... ... ... ... | 29 | 47 | 18 | ..... |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... ... ... ... ... | 5,107 | 5,522 | 415 | ..... |
| *Jute*— | | | | |
| 1.—Raw ... ... ... ... ... ... | 12,853 | 4,349 | ..... | 8,534 |
| 2.—Gunny-bags and cloth ... ... ... | 3,800 | 4,305 | 505 | ..... |
| Lac ... ... ... ... ... ... ... | 2,196 | 2,082 | ..... | 114 |
| *Leather*— | | | | |
| 1.—Unwrought ... ... ... ... ... | 77 | 47 | ..... | 30 |
| 2.—Wrought, excepting boots and shoes ... | 78 | 60 | ..... | 18 |
| *Liquors*— | | | | |
| 1.—Ale and Beer ... ... ... ... ... | 384 | 365 | ..... | 19 |
| 2.—Spirits and wines of all kinds, including country spirits ... ... ... | 389 | 387 | ..... | 2 |
| 3.—All other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | 30 | 1 | ... | 29 |
| *Metals*— | | | | |
| 1.—Brass, unwrought ... ... ... ... | 106 | 31 | ..... | 75 |
| 2.—Do., manufactures ... ... ... | 559 | [illegible] | 86 | ..... |
| 3.—Copper, unwrought ... ... ... | 11 | [illegible] | ..... | 6 |
| 4.—Do., manufactures ... ... ... | 76 | 71 | ..... | 5 |
| 5.—Iron and steel— | | | | |
| (1) Unwrought (dust, slag, pig and old for remanufacture) ... ... | 1,984 | 2,034 | 50 | ..... |
| (2) Wrought— | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel ... ... ... | 5,198 | 4,321 | ..... | 877 |
| (b) Machinery and mill work ... | 669 | 508 | ..... | 161 |
| (c) Other manufactures, including hardware and cutlery ... | 2,569 | 1,653 | ..... | 916 |
| 6.—Metallic ores ... ... ... ... ... | 3,056 | 3,269 | 213 | ..... |
| 7.—Others ... ... ... ... ... ... | 481 | 663 | 182 | ..... |
| Mineral substances— | | | | |
| 1.—Marble and stone ... ... ... ... | 25,112 | 18,475 | ..... | 6,637 |
| 2.—Chalk and lime ... ... ... ... | 11,203 | 10,776 | ..... | 427 |
| 3.—Others ... ... ... ... ... ... | 174 | 186 | 12 | ..... |
| *Oils*— | | | | |
| 1.—Kerosine ... ... ... ... ... | 6,251 | 9,456 | 3,205 | ..... |
| 2.—Castor ... ... ... ... ... ... | 225 | 174 | ..... | 51 |
| 3.—Cocoanut ... ... ... ... ... | 229 | 183 | ..... | 46 |
| 4.—Mustard and rape ... ... ... ... | 497 | 701 | 204 | ..... |
| 5.—Others ... ... ... ... ... ... | 401 | 288 | ..... | 113 |
| *Oilseeds*— | | | | |
| 1.—Castor ... ... ... ... ... ... | 1,836 | 3,730 | 1,894 | ..... |
| 2.—Earthnuts ... ... ... ... ... | 173 | 2 | ..... | 171 |
| 3.—Linseed ... ... ... ... ... ... | 1,330 | 10,192 | 8,862 | ..... |
| 4.—Poppy ... ... ... ... ... ... | 152 | 426 | 274 | ..... |
| 5.—Rape and mustard ... ... ... ... | 14,614 | 17,115 | 2,501 | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 310 | 541 | 231 | ..... |
| 7.—Others ... ... ... ... ... ... | 2,688 | 2,113 | ..... | 575 |
| Opium ... ... ... ... ... ... ... | 706 | 1,040 | 334 | ..... |
| Paper and pasteboard ... ... ... ... | 815 | 921 | 106 | ..... |

| STAPLES. | 1908. Weight. | 1909. Weight. | Increase. Weight | Decrease. Weight. |
|---|---|---|---|---|
| | Tons. | Tons. | Tons. | Tons. |
| *Provisions—* | | | | |
| 1.—Dried fruits and nuts ... ... ... | 522 | 502 | ..... | 20 |
| 2.—Ghee ... ... ... .. ... ... | 1,333 | 1,805 | 472 | ..... |
| 3.—Potatoes ... ... ... ... ... | 6,054 | 6,852 | 798 | ..... |
| 4.—Others ... ... ... ... ... | 1,822 | 2,401 | 579 | ..... |
| *Railway plant & rolling-stock carried for the public & foreign railways—* | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... ... ... ... | 6 | ..... | ..... | 6 |
| 2.—Carriages and trucks and parts thereof | 37 | ..... | ..... | 37 |
| 3.—Materials— | | | | |
| (a) Steel rails and fish-plates ... | 15 | 351 | 336 | ..... |
| (b) Sleepers and keys of steel and cast-iron ... ... ... ... | 23 | ..... | ..... | 23 |
| (c) Others ... ... ... | 37,109 | 11,489 | ..... | 25,620 |
| Salt ... ... ... ... . ... ... | 14,065 | 19,768 | 5,703 | ..... |
| *Saltpetre and other saline substances—* | | | | |
| 1.—Saltpetre ... ... ... ... ... | 2,264 | 3,341 | 1,077 | ..... |
| 2.—Other saline substances ... ... ... | 1,412 | 1,589 | 177 | ..... |
| Silk— | | | | |
| 1.—*Raw—* | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 48 | 28 | ..... | 20 |
| 2.—*Piece-goods—* | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 2 | ..... | ..... | 2 |
| *Spices—* | | | | |
| 1.—Betelnuts ... ... ... ... .. | 966 | 860 | ..... | 106 |
| 2.—Cardamoms ... ... ... ... ... | 23 | 54 | 31 | ..... |
| 3.—Chillies ... ... ... ... ... | 1,088 | 1,240 | 152 | ..... |
| 4.—Ginger ... ... ... ... ... | 54 | 72 | 18 | ..... |
| 5.—Pepper ... ... ... ... ... | 194 | 228 | 34 | ..... |
| 6.—Others ... ... ... ... ... | 493 | 581 | 88 | ..... |
| *Sugar—* | | | | |
| 1.—Refined or crystallized including sugarcandy ... ... ... ... | 4,458 | 4,582 | 124 | ..... |
| 2.—Unrefined— | | | | |
| (a) Sugar ... ... ... ... ... | 9,145 | 11,467 | 2,322 | ..... |
| (b) *Gur*, *rab*, jaggree, molasses and other saccharine produce ... | 10,411 | 16,466 | 6,055 | ..... |
| *Tea—* | | | | |
| 1.—Foreign ... ... ... ... ... | ..... | ..... | ..... | ..... |
| 2.—Indian ... ... ... ... ... | 64 | 115 | 51 | ..... |
| Tobacco— | | | | |
| 1.—Unmanufactured ... ... ... ... | 1,931 | 3,460 | 1,529 | ..... |
| 2.—Manufactured— | | | | |
| (a) Cigar . ... ... ... ... | | | | |
| (b) Other sorts ... ... .. ... | | | | |
| Wood— | | | | |
| 1.—Timber, unwrought ... ... ... | 7,659 | 8,670 | 1,011 | ..... |
| 2.—Manufactures ... ... ... .. | 842 | 1,131 | 289 | ..... |
| *Wool—* | | | | |
| 1.—Raw ... ... ... ... ... ... | 203 | 170 | ..... | 33 |
| 2.—Manufactured— | | | | |
| (a) Carpets and rugs ... ... ... | 39 | 51 | 12 | ..... |
| (b) Piece-goods, European ... | 28 | 11 | ..... | 17 |
| (c) Ditto, Indian ... ... | 63 | 16 | ..... | 47 |
| (d) Other sorts of manufactures ... | 60 | 40 | ..... | 20 |
| All other articles of merchandise— | | | | |
| 1.—Bones ... ... ... ... ... ... | 3,707 | 5,234 | 1,527 | ..... |
| 2.—Firewood ... ... ... ... ... | 4,431 | 4,363 | ..... | 68 |
| 3.—Indigo seed ... ... ... ... ... | 132 | 12 | ..... | 120 |
| 4.—Paints and colours ... ... ... ... | 95 | 101 | 6 | ..... |
| 5.—Seeds other than oil seeds ... ... ... | 360 | 147 | ..... | 213 |
| 6.—Others ... ... ... ... ... ... | 20,929 | 7,107 | ..... | 13,822 |
| Total ... | 958,036 | 963,193 | 5,157 | ..... |
| Military stores ... ... ... ... ... | 1,249 | 1,568 | 319 | ..... |
| Coal for railway ... ... ... ... ... | 79,342 | 70,239 | ..... | 9,003 |
| Railway materials ... ... ... ... ... | 118,418 | 144,796 | 26,378 | ..... |
| Live-stock ... ... ... ... ... | .. ... | No. 25,015 | ..... | ..... |
| Total ... | 1,156,945 | 1,179,796 | 22,851 | ..... |

H. G. EMMERSON,

for *Chief Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 14th July 1909.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for the last 11 days of June 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 974,239 | 7,21,304 0 0 | 92,39,377 0 | 15,09,860 0 0 | 73,323 0 0 | 23,04,487 0 0 | 258,381 | 289,885 | 548,266 |
| Or per mile of railway ... | ..... | 314 0 6 | ..... | 658 10 4 | 31 15 9 | 1,005 4 7 | ..... | ..... | ..... |
| For previous 24½ weeks of half-year | 13,038,475 | 1,13,17,414 0 0* | 17,24,33,632 0† | 2,75,23,654 0 0† | 7,20,814 0 0† | 3,95,61,882 0 0 | 4,0[illegible] 2,391§ | 5,215,071§ | 9,247,462 |
| Total for 25½ weeks ... | 14,012,875 | 1,20,38,718 0 0 | 18,16,73,009 0 | 2,90,33,514 0 0 | 7,94,137 0 0 | 4,18,66,369 0 0 | 4,290,772 | 5,504,956 | 9,795,728 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 10 days of previous year. | 867,157 | 7,09,873 1 9 | 1,15,90,049 20 | 15,47,212 3 7 | 61,644 6 2 | 23,18,729 11 6 | 227,746 | 311,804 | 539,640 |
| Per mile of railway corresp. period of previous year. | ..... | 309 10 8 | ..... | 674 15 0 | 26 14 3 | 1,011 7 11 | ..... | ..... | ..... |
| Total for corresponding weeks of previous year. | 14,861,872 | 1,32,10,246 4 0 | 19,43,17,255 10 | 2,93,48,462 2 6 | 6,67,604 14 5 | 4,32,26,313 4 11 | 4,183,026 | 5,923,252 | 10,106,278 |

passengers 653 and Rs. 14,113 on account of Supplemental figures for the quarter ended 31st March 1909.

* Added N " 700 " " 43,400 " of special and extra trains, etc., not included in previous returns.
" 7,000 " " 37,000 " of Inward foreign coaching traffic not included in previous returns.
Do. Mds. 1,10,042 " " 10,752 " of Supplemental figures for the quarter ended 31st March 1909
Do. " 2,00,000 " " 40,000 " of freight and haulage on ballast trains, and division of goods traffic, etc., not included in previous return.

† Added " 6,26,000 " of rebate on coal
Deducted " 10,029 " of Supplemental figures for the quarter ended 31st March 1909.
Do. " 51,765 " of rents of dwelling-houses, etc., not included in previous returns.
Deducted " 5,37,000 " of hire of vehicles, and hire and demurrage of vehicles, etc., creditable to expenditure.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. No. of passengers. | Coaching Traffic. Rs. | Merchandise and Mineral Traffic. Mds. | Merchandise and Mineral Traffic. Rs. | Other earnings. Rs. | Total. Rs. | Per mile of railway Rs. | Train mileage. No. | Train mileage. Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| *2,292·37 | For the month of Jan. ... | 2,312,028 | 20,57,070 | 3,02,58,238 | 49,14,297 | 2,17,919 | 71,89,1[illegible] | 3,136 | 1,677,717 | 4 4 7 |
| *2,292·37 | " " " Feb. ... | 2,237,891 | 19,63,811 | 2,76,53,877 | 46,01,553 | 1,90,929 | 67,53,293 | 2,946 | 1,540,808 | 4 6 2 |
| *2,292·37 | " " " Mar. ... | 2,345,063 | 21,85,622 | 3,06,34,28[illegible] | 51,14,446 | 2,19,088 | 75,18,853 | 3,280 | 1,707,596 | 4 6 5 |
| *2,292·37 | " " " Apl. ... | 2,185,989 | 18,90,278 | 3,24,92,[illegible] | [illegible]52,813 | 2,51,189 | 71,94,280 | 3,138 | 1,642,567 | 4 6 1 |
| 2,292·37 | First 1 day of May .. | 77,253 | 69,906 | 9,47,222 | [illegible]7,107 | 6,647 | 2,34,660 | 102 | 14,967 | 4 4 3 |
| 2,292·37 | Week ended 8th " ... | 545,884 | 4,44,793 | 72,94,373 | 12,[illegible],820 | 46,525 | 17,12,338 | 747 | 386,172 | 4 6 11 |
| 2,292·37 | " " 15th " ... | 523,437 | 4,13,001 | 76,83,784 | 12,55,911 | 46,525 | 17,55,437 | 766 | 386,478 | 4 8 8 |
| 2,292·37 | " " 22nd " ... | 512,492 | 4,16,567 | 78,31,923 | 12,76,026 | 46,825 | 17,13,118 | 747 | 378,086 | 4 8 6 |
| 2,292·37 | " " 29th " . | 557,577 | 4,26,156 | 73,32,927 | 12,12,842 | 43,472 | 16,92,470 | 738 | 382,471 | 4 6 10 |
| 2,292·37 | " " 5th June ... | 619,266 | 4,90,700 | 74,89,850 | 12,18,462 | 43,472 | 17,52,634 | 765 | 381,296 | 4 9 7 |
| 2,292·37 | " " 12th " ... | 554,600 | 4,30,281 | 65,[illegible],588 | 10,59,049 | 43,472 | 15,32,799 | 669 | 359,066 | 4 4 4 |
| 2,292·37 | " " 19th " ... | 565,395 | 4,47,116 | 60,43,841 | 9,63,679 | 45,957 | 14,56,752 | 635 | 350,298 | 4 2 6 |
| 2,292·37 | Last 11 days of " .. | 974,239 | 7,21,304 | 92,39,377 | 15,09,860 | 74,323 | 23,04,487 | 1,005 | 548,266 | 4 3 3 |
| | Suppl. for 31st March ... | 653 | 14,113 | 1,10,042 | 10,752 | 10,929 | 4,4,894 | 18 | .... | ..... |
| | " " 30th June ... | 7,700 | 80,400 | 2,00,000 | —5,80,000 | —4,85,235 | —9,84,835 | —431 | ..... | .. |
| | Totals up to date ... | 14,012,875 | 1,20,38,718 | 18,16,73,009 | 2,90,33,514 | 7,94,137 | 4,18,66,369 | 706 | 9,795,728 | 4 4 5 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. 1908.

| Open mileage. | Period. | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,287·05 | For the month of Jan. ... | 2,174,841 | 2[illegible] | 3,18,38,828 | 50,53,797 | 1,75,350 | 73,21,[illegible] | 3,[illegible] | 1,682,116 | 4 5 8 |
| 2,287·05 | " " " Feb. .. | 2,421,323 | 2[illegible] | 3,03,94,[illegible] | 50,90,001 | 1,81,978 | 76,[illegible] | 3,[illegible] | 1,6[illegible] | 4 10 7 |
| 2,287·05 | " " " Mar. ... | 2,392,316 | [illegible] | 3,40,79,290 | 50,91,502 | 1,70,6[illegible] | 75,12,[illegible] | 3,28[illegible] | 1,7[illegible] | 4 5 1 |
| 2,287·05 | " " " Apl. ... | 2,393,780 | 2[illegible] | 3,07,52,[illegible] | 49,[illegible],136 | 1,79,664 | 71,74,[illegible] | 3,13[illegible] | 1,[illegible] | 4 3 [illegible] |
| 2,287·05 | First 2 days of May ... | 167,415 | 1,17,276 | 20,10,[illegible] | 3,33,149 | 10,892 | 4,61,117 | 215 | 1[illegible] | 4 7 9 |
| 2,287·05 | Week ended 9th " ... | 651,106 | 5,20,184 | 77,03,374 | 12,32,859 | 42,015 | 17,95,058 | 785 | 388,[illegible] | 4 10 0 |
| 2,287·05 | " " 16th " ... | 655,322 | 4,81,639 | 79,53,1[illegible] | 12,05,762 | 34,871 | 17,22,[illegible] | 753 | 3[illegible] | 4 6 2 |
| 2,287·05 | " " 23rd " ... | 598,980 | 4,75,866 | 67,89,929 | 11,01,727 | 40,729 | 16,18,[illegible] | 708 | 38[illegible] | 4 2 11 |
| 2,287·05 | " " 30th " ... | 581,118 | 4,69,577 | 78,08,962 | 11,92,997 | 37,613 | 16,91,187 | 739 | 38[illegible] | 4 5 11 |
| 2,287·05 | " " 6th June ... | 608,127 | 5,08,260 | 75,73,628 | 11,11,681 | 38,588 | 16,58,479 | 725 | 58[illegible] | 4 . 4 |
| 2,287·05 | " " 13th " ... | 708,847 | 5,48,819 | 75,88,430 | 11,40,588 | 37,604 | 17,34,[illegible] | 758 | [illegible] | 4 9 8 |
| 2,287·05 | " " 20th " ... | 637,215 | 5,[illegible],886 | 69,22,284 | 10,74,493 | 36,887 | 16,47,2[illegible] | 720 | 38[illegible] | 4 . 7 |
| 2,292·38 | Last 10 days of " ... | 867,157 | 7,09,873 | 1,15,90,049 | 15,47,212 | 61,644 | 23,18,7[illegible] | 1,011 | 5[illegible] | 4 1 9 |
| | Suppl. for 31st March ... | 5,893 | 9,462 | —1,25,4[illegible] | —4,722 | —7,296 | —2,55[illegible] | —1 | ..... | |
| | " " 30th June ... | —287 | 10,465 | 13,07,444 | —7,57,860 | —3,78,975 | —10,87,968 | —474 | | |
| | Totals up to date ... | 14,861,872 | 1,32,10,246 | 19,43,17,255 | 2,93,48,462 | 6,67,605 | 4,32,26,31[illegible] | 725 | 10,106,[illegible] | 4 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for last 11 days of June 1909 on 22·[illegible]1 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 50,175 | 10,003 0 0 | 19,352 0 | 964 0 0 | [illegible] | 11,037 0 0 | 2,107 | 247 | 2,354 |
| Or per mile of railway ... ... | ... | 450 6 1 | ... | 43 6 6 | [illegible] | 496 15 0 | ... | ... | ... |
| For previous 24½ weeks of half-year | 669,400* | 1,61,134 0 0* | 13,60,672 0† | 25,257 0 0† | [illegible] | 1,87,123 0 0 | 33,369 | 3,931 | 37,300 |
| Total for 25½ weeks ... | 719,575 | 1,71,137 0 0 | 13,80,024 0 | 26,221 0 0 | [illegible] | 28,100 0 0 | 35,476 | 4,178 | 39,654 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 10 days of previous year ... ... ... | 32,586 | 7,155 8 2 | 36,168 20 | 654 10 0 | 4[illegible] 9 | 7,814 9 | 1,848 | 220 | 2,068 |
| Per mile of railway corresponding period of previous year ... ... | ... | 322 2 9 | ... | 29 7 7 | 0[illegible] 3 | 351 13 7 | ... | ... | ... |
| Total for corresponding 26 weeks of previous year ... ... ... | 787,430 | 1,94,109 14 0 | 5,85,618 0 | 20,042 12 0 | 1,222 2 | 2,[illegible],374 14 2 | 36,391 | 3,961 | 40,352 |

* Added No. of passengers 3 and Rs. 1 } On account of supplemental figures for the quarter ended 31st March.
† Do. Mds. 1,157 and Rs. 1,447 }
‡ Do. ,, 235 On account of rents of dwelling-houses, &c., not included in previous R[illegible].

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | For the month of Jan. .. | 105,932 | 24,217 | 1,08,797 | 1,584 | 27 | 25,828 | 1,163 | 6,692 | 3 13 9 |
| *22·21 | ,, ,, of Feb. ... | 134,849 | 32,173 | 1,11,002 | 4,018 | 36 | 36,227 | 1,631 | 6,783 | 5 10 10 |
| *22·21 | ,, ,, of March | 114,626 | 27,436 | 6,93,149 | 7,764 | 195 | 35,395 | 1,594 | 6,710 | 5 4 5 |
| *22·21 | ,, ,, of April ... | 148,955 | 38,214 | 3,42,785 | 6,255 | 44 | 44,513 | 2,004 | 6,824 | 6 8 4 |
| 22·21 | ,, 1 day of May .. | 3,990 | 890 | 2,403 | 84 | 1 | 975 | 44 | 230 | 4 6 11 |
| 22·21 | Week ended 8th ,, ... | 25,837 | 6,648 | 19,9[illegible] | 734 | 4 | 7,386 | 333 | 1,496 | 4 15 0 |
| 22·21 | ,, ,, 15th ,, .. | 25,997 | 5,616 | 14,[illegible] | 571 | 4 | 6,191 | 279 | 1,496 | 4 2 8 |
| 22·21 | ,, ,, 22nd ,, .. | 21,659 | 4,436 | 24,615 | 562 | 10 | 5,008 | 225 | 1,496 | 3 5 7 |
| 22·21 | ,, ,, 29th ,, .. | 28,214 | 6,005 | 18,594 | 776 | 44 | 6,825 | 307 | 1,496 | 4 9 0 |
| 22·21 | ,, ,, 5th June ... | 25,199 | 6,795 | 13,626 | 630 | 44 | 7,459 | 336 | 1,496 | 4 15 9 |
| 22·21 | ,, ,, 12th ,, .. | 15,937 | 4,151 | 10,150 | 397 | 44 | 4,593 | 207 | 1,496 | 3 1 1 |
| 22·21 | ,, ,, 19th ,, .. | 23,181 | 4,552 | 9,9[illegible]9 | 445 | 44 | 5,041 | 227 | 1,496 | 3 5 11 |
| 22·21 | Last 11 days of ,, . | 50,175 | 10,003 | 19,352 | 964 | 70 | 11,037 | 497 | 2,354 | 4 11 0 |
| | Suppl. for 31st March . | 3 | 1 | 1,157 | 1,447 | .... | 1,448 | 65 | ..... | ..... |
| | ,, 30th June ... | ..... | ..... | ..... | ..... | 235 | 235 | 11 | ..... | ..... |
| | Totals up to date .. | 719,575 | 1,71,137 | 13,80,024 | 26,221 | 802 | 1,98,160 | 345 | 39,654 | 4 15 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 21·23 | For the month of Jan. ... | 111,387 | 26,514 | 85,503 | 3,136 | 30 | 29,710 | 1,336 | 6,900 | 4 4 11 |
| 22·23 | ,, ,, of Feb. .. | 150,095 | 38,198 | 1,33,692 | 4,102 | 33 | 42,328 | 1,904 | 6,768 | 6 4 1 |
| 22·23 | ,, ,, of March | 149,595 | 37,294 | 1,14,963 | 4,497 | 40 | 41,831 | 1,882 | 6,798 | 6 2 5 |
| 22·23 | ,, ,, of April .. | 150,612 | 39,783 | 88,369 | 3,616 | 37 | 43,336 | 1,949 | 6,690 | 6 7 6 |
| 22·23 | First 2 days of May . | 6,747 | 1,534 | 5,208 | 200 | 2 | 1,736 | 78 | 427 | 4 1 1 |
| 22·23 | Week ended 9th ,, ... | 26,949 | 6,955 | 16,740 | 592 | 14 | 7,561 | 340 | 1,496 | 5 0 10 |
| 22·23 | ,, ,, 16th ,, ... | 29,943 | 6,960 | 17,905 | 582 | 4 | 7,546 | 339 | 1,694 | 4 7 3 |
| 22·23 | ,, ,, 23rd ,, ... | 23,554 | 5,228 | 17,014 | 522 | 12 | 5,762 | 259 | 1,496 | 3 13 8 |
| 22·23 | ,, ,, 30th ,, ... | 25,003 | 5,096 | 25,806 | 731 | 4 | 5,831 | 262 | 1,496 | 3 14 4 |
| 22·23 | ,, ,, 6th June ... | 25,865 | 6,482 | 16,603 | 666 | 8 | 7,156 | 322 | 1,496 | 4 12 6 |
| 22·23 | ,, ,, 13th ,, ... | 33,494 | 8,026 | 16,341 | 513 | 4 | 8,542 | 384 | 1,496 | 5 11 4 |
| 22·23 | ,, ,, 20th ,, ... | 21,600 | 4,829 | 11,337 | 332 | 11 | 5,172 | 233 | 1,518 | 3 6 6 |
| 22·21 | Last 10 days of ,, | 32,586 | 7,156 | 30,108 | 655 | 4 | 7,815 | 352 | 2,068 | 3 12 6 |
| | Suppl. for 31st March .. | ..... | ..... | ..... | ..... | 178 | 178 | 8 | ..... | ..... |
| | ,, 30th June ... | ..... | 30 | ..... | ..... | 841 | 871 | 39 | ..... | ..... |
| | Totals up to date ... | 785,430 | 1,94,110 | 5,85,618 | 20,043 | 1,222 | 2,15,375 | 375 | 40,352 | 5 5 5 |

*Audited figure

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the last 11 days of June 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period‡ ... | 48,611 | 31,041 0 0 | *33,400 0 | 17,293 0 0 | 230 0 0 | 48,564 0 0 | 19,150 | 5,680 | 24,830 |
| Or per mile of railway ... | ..... | 191 5 9 | ..... | 106 8 2 | 1 6 8 | 299 1 10 | ..... | ..... | ..... |
| For previous 24‡ weeks of half-year | 674,449* | 5,28,357 0 0* | 67,66,602 0† | 4,62,456 0 0† | 7,362 0 0‡ | 9,98,175 0 0 | 296,069 | 127,808 | 423,877 |
| Total for 25‡ weeks ... | 723,060 | 5,59,398 0 0 | 69,79,002 0 | 4,79,749 0 0 | 7,592 0 0 | 10,46,739 0 0 | 315,219 | 133,488 | 448,707 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 10 days of previous year. | 50,035 | [illegible] 0 1 | 3,54,300 20 | 20,420 13 0 | 74 5 0 | 56,227 2 1 | 16,565 | 7,413 | 23,978 |
| Per mile of railway corresponding period of previous year. | ..... | 2[illegible] 1 3 | ..... | 125 12 5 | 0 7 4 | 346 5 0 | ..... | ..... | ..... |
| Total for corresponding 26 weeks of previous year. | 7[illegible] | 5,76,5[illegible]4 13 7 | 68,73,489 0 | 5,07,432 8 11 | 7,193 13 3 | 10,91,161 3 9 | 305,033 | 140,835 | 454,928 |

* { Added No. of passengers 4,008 and Rs. 3,685 on account of Supplemental figures for the quarter ended 31st March 1909.
" " 200 " " 2,600 on account of special and extra trains, etc., not included in previous returns.
† { Added 3,41,000 " " 13,500 on account of revenue coal and stores carried over D.-U.-K. Ry. during the half-year.
" " Deducted 33,845 " " 3,610 on account of Supplemental figures for the quarter ended 31st March 1909.
‡ Added " " 5,000 on account of rents of dwelling-houses, etc., not included in previous returns.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of Jan. ... | 94,754 | 67,058 | 11,05,995 | 68,196 | 221 | 1,35,475 | 834 | 75,349 | 1 12 9 |
| *162·36 | " " of Feb. ... | 98,785 | 78,959 | 12,05,624 | 78,711 | 190 | 1,57,860 | 972 | 70,571 | 2 3 9 |
| *162·36 | " " of March | 146,262 | 1,23,320 | 17,26,951 | 1,22,5[illegible]8 | 642 | 2,46,520 | 1,518 | 81,475 | 3 0 5 |
| *162·36 | " " of April ... | 116,312 | 1,05,094 | 12,84,501 | 88,561 | 597 | 1,94,251 | 1,196 | 77,009 | 2 8 4 |
| 162·36 | For first 1 day of May ... | 3,838 | 3,267 | 27,708 | 2,245 | 5 | 5,507 | 34 | 2,587 | 2 2 9 |
| 162·36 | Week ended 8th " ... | 27,818 | 20,572 | 2,68,306 | [illegible]250 | 38 | [illegible],860 | 246 | 17,408 | 2 4 8 |
| 162·36 | " " 15th " ... | 27,350 | 21,641 | 1,98,867 | [illegible] | 38 | 36,588 | 225 | 17,052 | 2 2 4 |
| 162·36 | " " 22nd " ... | 26,659 | 19,805 | 2,07,886 | 14,877 | 49 | 34,731 | 214 | 16,608 | 2 1 6 |
| 162·36 | " " 29th " ... | 31,206 | 19,932 | 2,14,053 | 17,104 | 144 | 37,180 | 229 | 16,353 | 2 4 5 |
| 162·36 | " " 5th June ... | 34,214 | 20,917 | 3,21,932 | 15,987 | 144 | 37,048 | 228 | 16,311 | 2 4 4 |
| 162·36 | " " 12th " ... | 31,486 | 21,905 | 2,39,724 | 14,555 | 144 | 36,614 | 225 | 16,024 | 2 4 7 |
| 162·36 | " " 19th " ... | 31,517 | 19,602 | 3,42,171 | 15,395 | 150 | 35,147 | 216 | [illegible],119 | 2 0 10 |
| 162·36 | Last 11 days of " ... | 48,611 | 31,041 | 2,32,400 | 17,293 | 230 | 48,564 | 299 | [illegible],930 | 1 15 4 |
| | Suppl. for 31st March ... | 4,008 | 3,685 | 33,845 | 3,619 | ..... | 7,304 | 45 | ..... | |
| | " " 30th June ... | 200 | 2,600 | —3,41,000 | —13,500 | 5,000 | —5,900 | —36 | ..... | ..... |
| | Totals up to date ... | 723,060 | 5,59,398 | 69,79,002 | 4,79,749 | 7,592 | 10,46,739 | 249 | 448,707 | 2 5 4 |

* Audited figures.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 1908. |
| 162·36 | For the month of Jan. ... | 106,457 | 69,564 | 11,46,303 | 78,687 | 267 | 1,48,468 | 914 | 75,453 | 1 15 6 |
| 162·36 | " " of Feb. ... | 112,856 | 77,399 | 10,88,017 | 81,660 | 211 | 1,59,270 | 981 | 70,056 | 2 4 5 |
| 162·36 | " " of March | 140,302 | 1,04,501 | 13,10,696 | 99,268 | 254 | 2,04,023 | 1,257 | 77,947 | 2 9 11 |
| 162·36 | " " of April ... | 139,851 | 1,08,877 | 12,37,079 | 93,779 | 265 | 2,02,921 | 1,250 | 78,474 | 2 9 4 |
| 162·36 | First 2 days of May ... | 9,829 | 7,318 | 72,24[illegible] | 5,500 | 15 | 12,842 | 79 | 5,139 | 2 5 0 |
| 162·36 | Week ended 9th " ... | 38,922 | 30,278 | 2,95,846 | 20,623 | 54 | 50,955 | 314 | 18,824 | 2 11 4 |
| 162·36 | " " 16th " ... | 31,692 | 21,941 | 3,02,426 | 23,862 | 34 | 45,830 | 283 | 17,573 | 2 9 9 |
| 162·36 | " " 23rd " ... | 30,035 | 21,863 | 3,55,029 | 19,115 | 29 | 41,007 | 253 | 17,573 | 2 5 4 |
| 162·36 | " " 30th " ... | 32,202 | 24,535 | 2,78,183 | 20,533 | 52 | 45,120 | 278 | 17,892 | 2 9 9 |
| 162·36 | " " 6th June ... | 33,565 | 23,941 | 3,47,338 | 24,313 | 54 | 48,308 | 298 | 18,051 | 2 10 10 |
| 162·36 | " " 13th " ... | 36,410 | 24,199 | 2,45,938 | 15,491 | 54 | 39,744 | 245 | 17,555 | 2 4 3 |
| 162·36 | " " 20th " ... | 34,427 | 23,611 | 3,21,568 | 18,001 | 59 | 41,671 | 257 | 17,007 | 2 7 2 |
| 162·36 | Last 10 days of " ... | 50,035 | 35,732 | 3,54,301 | 20,421 | 74 | 56,227 | 346 | 23,978 | 2 5 6 |
| | Suppl. for 31st March ... | 1,531 | 2,017 | 57,739 | 6,257 | 1,786 | 10,070 | 62 | ..... | ..... |
| | " " 30th June ... | 1,592 | 759 | —5,26,100 | —20,046 | 3,983 | —15,304 | —94 | ..... | |
| | Totals up to date ... | 799,616 | 5,76,535 | 68,73,489 | 5,07,433 | 7,193 | 10,91,161 | 258 | 454,928 | 2 6 5 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the last 11 days of June 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the last 11 days of June ... ... ... ... | 109,000 | 64,500 0 0 | 477,500 0 | 79,500 0 0 | 6,500 0 0 | 1,50,500 0 0 | 23,059 | 34,293 | 57,352 |
| Or per mile of railway ... ... | 141·93 | 83·99 | 619·33 | 103·11 | 8·4[illegible] | 195·52 | 30·02 | 44·48 | 74·50 |
| For previous 25 weeks of half-year ... ... ... | 1,758,357 | 11,54,105 0 0 | 8,667,860 0 | 10,30,125 0 0 | 1,[illegible]25 0 0 | 22,90,155 0 0 | 363,403 | 467,205 | 830,608 |
| Total for 26 weeks ... | 1,867,357 | 12,18,605 0 0 | 9,145,360 0 | 11,09,625 0 0 | 1,12,[illegible] 0 0 | 24,40,655 0 0 | 386,522 | 501,498 | 888,020 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 10 days of previous year ... .. | 93,454 | 58,137 0 0 | 465,923 0 | 57,472 0 0 | 2,602 0 0 | [illegible]8,2[illegible] 0 0 | 21,793 | 34,800 | 56,592 |
| Per mile of railway corresponding week of previous year ... | 121·68 | 75·70 | 603 02 | 74 54 | 3·37 | [illegible]·61 | 28·38 | 45·14 | 73 52 |
| Total to corresponding date of previous year ... ... ... | 1,760,170 | 11,58,232 0 0 | 7,461,761 0 | 10,42,983 0 0 | 1,14,495 0 0 | 23,15,710 | 414,004 | 557,612 | 971,616 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for last 11 days of June 1909. | | | Receipts for last 10 days of June 1908. | | | Total receipts from 1st April 1909 to 30th June 1909. | | | Total receipts from 1st April 1908 to 30th June 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,50,500 | 195 52 | 771 | 1,19 211 | 153·61 | 771 | 11[illegible],738 | ... | 771 | 11,02,019 | ... | 47,719 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for last 11 days of June 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs | Mds. | Rs. (b) | Rs. (c) | Rs. (a) | | | |
| Total traffic for the period (11 days) on 1,870 miles open .. | 615,220 | 2,43,741 | 1,806,990 | 2,38,350 | 77,120 | 5,43,910 | 90,956 | (d) 73,370 | 164,326 |
| Or per mile of railway ... ... | 328·99 | 122·16 | 966·30 | 127·46 | 41·24 | 290·86 | ..... | ..... | ..... |
| For previous 24½ weeks of half-year (e) ... ... ... ... | 8,383,716 | 34,85,765 | 31,017,039 | 43,78,248 | 7,17,356 | 85,82,369 | 1,388,133 | 1,281,156 | 2,669,289 |
| Total for the half-year ... | 8,998,936 | 37,15,205 | 32,824,039 | 46,16,598 | 7,94,476 | 91,26,279 | 1,479,089 | 1,354,526 | 2,833,615 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding period (10 days) of previous year on 1,791 miles open ... ... ... | 581,172 | 2,12,749 | 1,809,565 | 2 03,149 | 89,438 | 5,05,387 | 84,681 | (f) 64,079 | 148,760 |
| Per mile of corresponding period of previous year ... ... ... | 324·50 | 118 78 | 1,005·34 | 113·43 | 49 97 | 282·18 | ..... | ... | ..... |
| Total to corresponding date of previous year ... . . | 9,524,495 | 39,77,635 | 31,151,133 | 41,64,377 | 7,01,991 | 89,04,003 | 1,503,127 | 1,221,653 | 2,724,780 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 2·51 | | 3·26 | ·47 | 3·31 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·51 | | 3·17 | ·60 | 3·40 | | | |

(a) One day's earnings more this year than in the corresponding period of last year.
(b) Increased local traffic—less weight lifted in foreign traffic with much longer lead.
(c) Decrease principally under steam-boat, due to reduced weight in foreign traffic.
(d) Includes 12,350 miles of ballast trains.
(e) Ditto audited figures up to April 1909.
(f) Ditto 6,758 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the period ending last 11 days of June 1909 on (a) 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 11 days ... ... | 799,030 | 3,09,650 0 0 | 4,405 260 0 | 3,67,710 0 0 | 95,410 0 0 | (h)7,72 770 0 0 | 121,171 | (f)105,421 | 226,592 |
| Or per mile of railway ... ... | (b)594 | (b)230 0 0 | 2,943 0 | 246 0 0 | (e)35 0 0 | (a) (e)188 0 0 | ... | ... | ... |
| For previous 25 weeks of half-year (g) ... ... ... .. | 11,394,135 | 50,30,474 0 0 | 49,656,565 0 | 58,78,790 0 0 | 7,91,755 0 0 | 1,17,01,019 0 0 | 1,877,424 | 1,284,924 | 3,161,348 |
| Total for 26 weeks ... | 12,193,165 | 53,40,124 0 0 | 54,061,825 0 | 63,46,500 0 0 | 8,87,165 0 0 | 1,24,73,789 0 0 | 1,998,595 | 1,389,345 | 3,387,940 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 10 days of previous year .. ... | 579,112 | 2,68,8[illegible] 0 0 | 4,118,757 0 | 3,46,370 0 0 | 77,689 0 0 | 6,92,930 0 0 | 107,658 | 99,814 | 207,472 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (c)471 | (c)219 0 0 | 3,233 0 | 272 0 0 | 32 0 0 | (d)515 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 12,948,892 | 55,94,241 0 0 | 53,449,229 0 | 57,00,338 0 0 | 7,75,132 0 0 | 1,20,69,710 0 0 | 2,011,191 | 1,218,404 | 3,229,595 |

(a) Includes 152 miles open for goods traffic.
(b) Excluding 152 miles not open for passenger traffic.
(c) Excluding 45 miles not open for passenger traffic.
(d) Mileage 1,274 miles includes 45 miles not open for passenger traffic.
(e) Excluding steamer earnings, Rs. 4[illegible],500.
(f) Including ballast train-miles, 4,[illegible]207, earnings Rs. 15,000.
(g) Audited up to April 1909.
(h) Increase is due to 11 days traffic against 10 days in the previous year.

## DACCA STATE RAILWAY

*Approximate Return of Traffic and Mileage for the period ending last 11 days of June 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 11 days ... | 131,920 | 18,190 0 0 | 121,570 0 | 5,770 0 0 | 1,210 0 0 | 25,170 0 0 | 9,108 | (a)4,462 | 13,570 |
| Or per mile of railway .. | 1,301 | 212 0 0 | 2,414 0 | 67 0 0 | 14 0 0 | 293 0 0 | ... | ... | ... |
| For previous 25 weeks of half-year (b) .. .. | 1,030,780 | 3,11,252 0 0 | 1,692,586 0 | 1,2[illegible]136 0 0 | 8,530 0 0 | 4,47,918 0 0 | 138,810 | 35,715 | 174,525 |
| Total for 26 weeks | 1,142,700 | 3,29,442 0 0 | 1,814,156 0 | 1,3[illegible] 0 0 | 9,740 0 0 | 4,[illegible]3,088 0 0 | 147 918 | 40 177 | 188,095 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 10 days of previous year ... ... | 131,949 | 18,534 0 0 | 172,613 0 | 6,707 0 0 | 1,514 0 0 | 26,755 0 0 | 8,142 | 5,640 | 13,772 |
| Per mile of railway corresponding week of previous year | 1,534 | 215 0 0 | 2,007 0 | 78 0 0 | 18 0 0 | 311 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 1,194,271 | 3,36,127 0 0 | 2,595 365 0 | 1,76,390 0 0 | 7,681 0 0 | 5,20,158 0 0 | 147,816 | 46,800 | 1[illegible]4,616 |

(a) Includes ballast train-miles, 3,000.
(b) Audited up to April 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the period ending last [illegible]ys of June 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 11 days .. | 10,790 | 2,650 0 0 | 50,790 0 | 2,770 0 0 | 30 0 0 | 5,450 0 0 | 715 | (a)7,562 | 8 277 |
| Or per mile of railway ... ... | 321 | 79 0 0 | 1,512 0 | 82 0 0 | 1 0 0 | 162 0 0 | ... | ... | ... |
| For previous 25 weeks of half-year (b) ... ... ... ... | 110,078 | 44,961 0 0 | 609,153 0 | 44,328 0 0 | 422 0 0 | 89,711 0 0 | 12,077 | 49,003 | 61,080 |
| Total for 26 weeks ... | 120,868 | 47,611 0 0 | 659,943 0 | 47,098 0 0 | 152 0 0 | 95,161 0 0 | 12,792 | 56,565 | 69,357 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 10 days of previous year .. ... | 17,019 | 3,439 0 0 | 54,449 0 | 3,232 0 0 | 35 0 0 | 6,706 0 0 | 650 | 6,010 | 6,660 |
| Per mile of railway corresponding week of previous year ... | 507 | 104 0 0 | 1,621 0 | 96 0 0 | 1 0 0 | 201 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 133,384 | 51,070 0 0 | 704,091 0 | 46,726 0 0 | 416 0 0 | 98,212 0 0 | 11,832 | 47,568 | 59,400 |

(a) Includes ballast train-miles 5,681.
(b) Audited up to April 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Period ending last 11 days of June 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 11 days | 21,680 | 5,800 0 0 | 42,840 0 | 2,140 0 0 | 0 0 | 8,040 0 0 | 3,630 | (a) 480 | 4,110 |
| Or per mile of railway .. .. | 401 | 108 0 0 | 796 0 | 40 0 0 | 0 0 | 149 0 0 | | | |
| For previous 26 weeks of half-year (b) .. .. .. | 391,927 | 1,10,500 0 0 | 1,184,385 0 | 67,072 0 0 | 574 0 0 | 1,78,146 0 0 | 50,869 | 16,346 | 67,215 |
| Total for 26 weeks | 413,607 | 1,16,360 0 0 | 1,227,365 0 | 69,212 0 0 | 614 0 0 | 1,86,186 0 0 | 54,499 | 16,826 | 71,325 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 10 days of previous year .. | 24,297 | 6,610 0 0 | 32,096 0 | 1,505 0 0 | 37 0 0 | 8,152 0 0 | 2,938 | 362 | 3,300 |
| Per mile of railway corresponding week of previous year | 450 | 122 0 0 | 594 0 | 28 0 0 | 1 0 0 | 151 0 0 | | | |
| Total to corresponding date of previous year . | 419,481 | 1,14,841 0 0 | 1,039,842 0 | 56,621 0 0 | −1,900 0 0 | 1,69,553 0 0 | 53,835 | 14,502 | 68,337 |

(a) Ballast train miles, 344.
(b) Audited up to April 1909.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for first 10 days of July 1909, on 1,197 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 10 days ... | 779,430 | 2,88,890 0 0 | 1,863,780 0 | 2,72,710 0 0 | 22,000 0 0 | 5,83,600 0 0 | 110,280 | [illegible] | [illegible] |
| Or per mile of railway | (a) 651 | (a) 215 0 0 | 1,245 0 | 182 0 0 | (b) 2 0 0 | (c) 487 0 0 | .... | | .. |
| For previous weeks of half year ... ... .. ... | | . | .... | . | | | | | |
| Total for 10 days .. | 779,430 | 2,88,890 0 0 | 1,863,780 0 | 2,72,710 0 0 | 22,000 0 0 | 5,83,600 0 0 | 110,280 | [illegible] | [illegible] |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 11 days of previous year . | 886,413 | 3,00,843 0 0 | 1,710,340 0 | 247,270 0 0 | 19,570 0 0 | 5,67,683 0 0 | 119,530 | 7 | 1,2,11 |
| Per mile of railway corresponding week of previous year (1,274 miles) . .. | (a) 721 | (a) 24[illegible] 0 0 | 1[illegible] 0 | 194 0 0 | 2 0 0 | 452 0 0 | . | .. | |
| Total to corresponding date of previous year .. | 886,413 | 3,00,843 0 0 | 1,710,340 0 | 247,270 0 0 | 19,570 0 0 | 5,67,683 0 0 | 119,530 | 2 | 1,2,11 |

(a) Excluding miles not open for passenger traffic.
(b) Excluding Steamer earnings, Rs 18,800.
(c) Excluding ballast train-miles 13,505

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the first 10 days of July 1909 on 56 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers | Coaching receipts | Weight carried. | Receipts. | | | Coaching | Merchandise | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 10 days . | 68,980 | 16,100 0 0 | 37,840 0 | 3,650 0 0 | 410 0 0 | 20,150 0 0 | 8,280 | (a) 998 | 9,278 |
| Or per mile of railway | 802 | 188 0 0 | 440 0 | 42 0 0 | 4 0 0 | 234 0 0 | ... | ... | ..... |
| For previous weeks of half-year ... ... | | | ... | | .. | .. . | | . | .. |
| Total for 10 days | 68,980 | 16,100 0 0 | 37,840 0 | 3,650 0 0 | 410 0 0 | 20,150 0 0 | 8,280 | 998 | 9,278 |
| **Comparison** | | | | | | | | | |
| Total for corresponding 11 days of previous year | 94,500 | 20,085 0 0 | 38,451 0 | 3,868 0 0 | 243 0 0 | 24,196 0 0 | 8,908 | 1,968 | 10,876 |
| Per mile of railway corresponding week of previous year | 1,10 | 3 0 0 | 447 0 | 45 0 0 | 3 0 0 | 281 0 0 | .. | ..... | ..... |
| Total to corresponding date of previous year ... .. | 94,500 | 20,085 0 0 | 38,451 0 | 3,868 0 0 | 243 0 0 | 24,196 0 0 | 8,908 | 1,968 | 10,876 |

(a) Excluding ballast train-miles, 900.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for first 10 days of July 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 10 days ... | 5,410 | 2,010 0 0 | 25,130 0 | 2,460 0 0 | 20 0 0 | 4,490 0 0 | 630 | (a)1,820 | 2,450 |
| Or per mile of railway ... ... | 161 | 60 0 0 | 748 0 | 73 0 0 | 1 0 0 | 134 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 10 days ... | 5,410 | 2,010 0 0 | 25,130 0 | 2,460 0 0 | 20 0 0 | 4,490 0 0 | 630 | 1,820 | 2,450 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 11 days of previous year ... ... | 6,986 | 2,350 0 0 | 38,523 0 | 3,542 0 0 | 19 0 0 | 5,911 0 0 | 693 | 1,419 | 2,112 |
| Per mile of railway corresponding week of previous year ... | 208 | 70 0 0 | 1,147 0 | 105 0 0 | 1 0 0 | 176 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year . . | 6,986 | 2,350 0 0 | 38,523 0 | 3,542 0 0 | 19 0 0 | 5,911 0 0 | 693 | 1,419 | 2,112 |

(a) Excluding ballast train-miles, 2,150.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for first 10 days of July 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for 10 days ... .. | 15,120 | 4,870 0 0 | 34,270 0 | 1,990 0 0 | 30 0 0 | 6,890 0 0 | 3,300 | (a)528 | 3,828 |
| Or per mile of railway .. .. | 280 | 90 0 0 | 635 0 | 37 0 0 | 1 0 0 | 128 0 0 | ..... | ..... | ..... |
| For previous weeks of half-year ... .. ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 10 days ... | 15,120 | 4,870 0 0 | 34,270 0 | 1,990 0 0 | 30 0 0 | 6,890 0 0 | 3,300 | 528 | 3,828 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 11 days of previous year . ... ... | 17,500 | 5,819 0 0 | 29,884 0 | 1,751 0 0 | 33 0 0 | 7,603 0 0 | 3,248 | 382 | 3,630 |
| Per mile of railway corresponding week of previous year ... ... | 324 | 108 0 0 | 553 0 | 32 0 0 | 1 0 0 | 141 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year .. . .. | 17,500 | 5,819 0 0 | 29,884 0 | 1,751 0 0 | 33 0 0 | 7,603 0 0 | 3,248 | 382 | 3,630 |

(a) Ballast train-miles, nil.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the first 10 days of July 1909 ... | Coaching ... | 9,802 0 0 | 22,762 0 0 |
| | Goods ... | 12,873 0 0 | |
| | Other earnings ... | 87 0 0 | |
| Audited earnings for the corresponding period of 1908 .. | Coaching ... | 13,322 0 0 | 25,886 0 0 |
| | Goods ... | 12,472 0 0 | |
| | Other earnings ... | 92 0 0 | |
| | Decrease ... | | 3,124 0 0 |
| Receipts per mile for the first 10 days of July 1909 ... ... ... ... | | | 416 5 0 |
| Ditto for the corresponding period of 1908 ... ... .. . | | | 507 9 1 |
| | Decrease ... | | 61 4 1 |
| Receipts from 1st July to 10th July 1909 ... ... ... ... ... | | | 22,762 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... ... | | | 25,886 0 0 |
| | Decrease ... | | 3,124 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 21st July 1909.

REGISTERED No. C 209.]

No. 30 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, JULY 28, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Annual Report of the Bengal Smoke-Nuisances Commission for the year 1908-09 ... | 1069—1070 |
| Weather and Crop Report for the week ending the 26th July 1909 ... | 1071—[illegible] |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 24th July 1909 ... | 1077 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th July 1909 ... | 1078—1085 |
| Area leased for Irrigation up to end of June 1909 ... | 1086—1087 |
| Vital Statistics of Districts and Towns in Bengal for the month of May 1909 ... | 1088—1089 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th July 1909 ... | 1090 |
| [illegible]way Returns ... | 1091—1096 |

## RESOLUTION ON THE ANNUAL REPORT OF THE BENGAL SMOKE-NUISANCES COMMISSION FOR THE YEAR 1908-09.

No. 1796Marine.

### Government of Bengal.

MARINE DEPARTMENT.

*Dated Calcutta, the 27th July 1909.*

RESOLUTION.

READ—

Letter No. 65, dated the 9th July 1909, from the Secretary to the Bengal Smoke-nuisances Commission.

Read also—

The Annual Report of the Bengal Smoke-nuisances Commission for the year 1908-09.

The Commission held 11 meetings during the year. The Chief Inspector and the Assistant Inspector of Smoke-nuisances made 3,657 observations of smoke emission from chimneys, and 2,210 inspections of furnaces. In 205 cases the appliances for stoking were tested. Mechanical stokers and smoke

appliances were fitted in seven furnaces. It is satisfactory to note that there has been a reduction of the average emission of dense black smoke, and it is now less than one-sixth of what it was in April 1906. Relief could, in many cases, be given by causing the chimneys to be raised, and 51 chimneys have been raised as a result of statutory warnings, while nine have been raised voluntarily. Eighteen prosecutions were undertaken by the Commission for infringement of the provisions of the Act, and convictions were obtained in each case.

2. The use of motors driven by electricity, oil, or gas, would afford a permanent remedy for the smoke-nuisance, and the Lieutenant-Governor notes with satisfaction that 127 electro-motors, two oil-motors and one suction-gas motor were installed during the year, and that other electro-motor installations are in progress.

3. The Commission brought to notice that the smoke emitted by the making of coke without ovens or special appliances has been a great nuisance, and a rule has recently been made by Government for the prevention of this nuisance.

4. The Lieutenant-Governor is glad to notice the increased interest and co-operation shown by the owners of factories in the prevention of the smoke-nuisance during the year.

5. The thanks of the Lieutenant-Governor are due to the President and members of the Commission, and particularly to the non-official members, for their administration of the Act during the year.

ORDER.—Ordered that a copy of the Resolution be forwarded to the Government of India, Department of Commerce and Industry; the President, Smoke-nuisances Commission; the Commissioners, Presidency and Burdwan Divisions; the Commissioner of Police, Calcutta; the Secretary, Bengal Chamber of Commerce; the Secretary, Calcutta Trades Association, and the Secretary, Bengal National Chamber of Commerce.

Ordered, also, that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secy. to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 26th July 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·51 | 8¼ | 8½ | Weather seasonable. Transplantation of paddy seedlings going on, but more rain needed. *Aus* paddy and jute doing well. Stocks of food-grains and fodder and drinking-water sufficient. Cattle-disease reported in Sahebganj and Barakar. |
| 2 | BIRBHUM ... | 2·11 | 9 | 9 | Rainfall at Rampur Hât 0·64 inch. Paddy seedlings being transplanted. More rain still wanted. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 3·21 | 9¼ | 9½ | Rainfall at Vishnupur 2·92 inches. Weather seasonable. Transplantation of *aman* paddy going on. More rain wanted. Sugarcane doing well. No cattle-disease. Fodder and water sufficient. |
| 4 | MIDNAPORE ... | 4·79 | 9 | 9 | Rainfall at Contai 1·41, at Tamluk 1·79, and at Ghatal 2·80 inches. Transplantation of winter rice going on except in the Ghatal subdivision, where its progress is slow for want of rain. Condition of autumn rice good. Cattle-disease in thanas Contai and Midnapore. Fodder and water sufficient. Common rice selling at 11 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 1·04 | 9 | 9 | Weather cloudy. Prices of food-grains stationary. Stocks of food-grains sufficient. Prospects of jute and *aus* paddy fair. Transplantation of *aman* paddy continuing. More rain wanted. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 3·55 | 9 | 9 | Rainfall at Ulubaria 2·56 inches. Transplantation of winter rice progressing. More rain wanted at the Ulubaria subdivision for transplantation. Outturn of jute estimated at about 50 per cent. Fodder and water sufficient. Agricultural stock in fair condition. *Aus* paddy and sugarcane doing fairly well. |
| 7 | 24-PARGANAS | 2·51 | 9 | 9½ | Weather seasonable. Transplantation of *aman* paddy going on. Common rice selling at 9 seers per rupee at Barrackpore, at 8 seers at Diamond Harbour, at 10¼ seers at Basirhat, and at 8 seers at Barasat. |
| 8 | NADIA ... | 0·57 | $8\frac{9}{16}$ | $8\frac{9}{16}$ | Rainfall at Ranaghat 0·77, at Chuadanga 0·80, at Kushtia 1·53, and at Meherpur 1·11 inches. More rain badly wanted. Prospects of standing crops so far good. Harvesting of *aus* paddy on low lands continuing. Insects doing damage to *aus* paddy and jute in the Ranaghat subdivision and to jute only in the Meherpur subdivision. Weather generally favourable for jute. Condition of the crop good, but rain wanted. Harvesting of jute continuing in the Kushtia subdivision. Prices of staple food-grains stationary. Stocks of food-grains and fodder and water sufficient. Cattle-disease prevailing in thana Gangani. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 1·28 | 8 | 8 | Weather seasonable. Rainfall at Kandi 1·21, at Lalbagh 3·76 and at Jangipur 2·21 inches. More rain wanted in the Sadar, Kandi and Jangipur subdivisions. Jute prospering everywhere, but more rain wanted at the Sadar subdivision. Prospects better than last year. Weather normal. Sowings finished. Transplantation of *aman* paddy continuing. Condition of mulberry, sugarcane and *bhadoi* crops satisfactory. *Bhadoi* crops being submerged at places in thana Raghunathganj of the Jangipur subdivision owing to the rise of the river. Fodder and water sufficient. Cattle-disease reported from thana Khargaon of the Kandi subdivision. Condition of agricultural stock good. |
| 10 | JESSORE ... | 3·10 | $9\frac{11}{16}$ | $9\frac{11}{16}$ | Rainfall at Jhenidah 0·98, at Magura 3·83, at Narail 2·62 and at Bangaon 1·40 inches. Weather seasonable. Rainfall general. More rain wanted. Transplantation of *aman* paddy retarded for want of rain. Condition of jute favourable. *Aus* paddy damaged by insects in some places of the Bangaon subdivision. Stocks of food-grains and fodder and water sufficient. Condition of agricultural stock good. Cattle-disease reported from the Jhenidah, Magura, Narail and Bangaon subdivisions. |
| 11 | KHULNA ... | 6·48 | 10 | 10 | Rainfall at Bagerhat 3·02 and at Satkhira 1·91 inches. Prices of food-grains stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of winter rice progressing. No apprehension of famine. Prospects of jute and other standing crops fair. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 8·42 | $8\frac{1}{2}$<br>13* | $8\frac{1}{2}$<br>13* | Weather cloudy. Transplantation of paddy going on. The operation delayed in some places, as seedlings were sown after the beginning of the rains which have set in late this year. Condition of standing *bhadoi* crops good. Sugarcane doing well. Food stocks sufficient. Cases of cattle-disease reported from two villages in one thana. Fodder and water sufficient. Prices generally stationary. |
| 13 | GAYA ... | 11·03 | $9\frac{7}{8}$†<br>[illegible]* | $9\frac{3}{8}$†<br>$12\frac{1}{8}$* | Weather showery. Rainfall general. *Bhadoi* crops doing well. Transplantation of paddy going on. Prices falling. Fodder and water for cattle plentiful. Cattle-disease in three villages. |
| 14 | SHAHABAD ... | 8·29 | $9\frac{1}{4}$<br>10* | 9<br>10* | Rainfall at Buxar 2·98, at Sasaram 2·34, at Bhabhua 2·72 and at Dehri 2·91 inches. Sugarcane and *bhadoi* crops doing well. Transplantation of paddy in progress. Prices of food-grains stationary. Food-stocks below the normal. Condition of agricultural stock fair. Fodder and water sufficient. |
| 15 | SARAN ... | 6·19 | 9<br>$13\frac{3}{4}$* | 9<br>$13\frac{1}{2}$* | Weather cloudy. Rainfall at Siwan 6·21, and at Gopalganj 3·74 inches. Transplantation of paddy and weeding of *bhadoi* crops going on. Agricultural prospects good. Prices of staple food-grains stationary. Condition of agricultural stock fair. Cattle-disease reported from Darauli thana. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 3·80 | 9<br>14¼* | 9<br>14* | Weather seasonable. Rainfall at Bettiah 6·74 inches. Rainfall general. Condition of crops excellent. Transplantation of *aghani* paddy going on. Condition of jute fair. Fodder and water sufficient. Cattle-disease reported from one village. |
| 17 | MUZAFFARPUR | 2·75 | 8¾<br>13* | 8¾<br>13* | Weather seasonable. Rainfall at Sitamarhi 3·88 and at Hajipur 8·85 inches. Prospects of all standing crops excellent. Transplantation of winter rice well advanced. Common rice selling at 8 and 12¾ seers a rupee, respectively, at Sitamarhi, and at 8 and 12 seers a rupee, respectively, at Hajipur. Fodder and water sufficient. Cattle-disease reported in Bararaj and Sakra. 1,454 persons relieved gratuitously and in poor-houses and kitchens on Thursday, the 22nd instant. Relief operations to close in the course of the week. |
| 18 | DARBHANGA ... | 4·85 | 9<br>13½ to 14* | 8<br>13* | Weather hot and at times cloudy. The rainfall of the week will be very beneficial. Prospects of crop good. Early *marua* being harvested in the Madhubani subdivision. Transplantation of paddy in progress. Food-stocks sufficient. Fodder and water sufficient. Number on relief-works—738 on the 21st instant. All relief-works closed on the 24th July. Number of persons gratuitously relieved—24,677. Valedictory doles being given and relief operations being closed. *Makai* selling at 13 to 14 seers a rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | 2·74 | 8<br>12* | 8<br>12* | Weather cloudy with occasional showers. Transplantation of paddy continuing. These occasional showers with alternate sunshine very favourable to the standing *bhadoi* crops. Prices of staple food-grains stationary. Fodder and water sufficient. Cattle-disease reported from Bariarpur thana. |
| 20 | BHAGALPUR ... | 3·51 | 8 3/16<br>12⅜* | 8 3/16<br>12⅜* | Weather seasonable. Condition of jute good. Transplanting of *marua* and paddy going on in the Banka subdivision and harvesting of *marua* going on in the Supaul and Madhipura subdivisions. Transplantation well advanced. Sugarcane doing well. Stocks of food-grains sufficient till the next harvest. No apprehension of scarcity at present. Fodder and water sufficient. |
| 21 | PURNEA ... | 2·46 | | | Rainfall at Araria 4·95 inches. Weather hot and cloudy. Harvesting of jute commenced in places in thana Forbesganj. *Bhadoi* paddy and jute doing well. More rain wanted for transplantation of *aghani* paddy. Stray cases of cattle-disease reported from thanas Gopalpur, Raniganj and Forbesganj. Fodder and water sufficient. Common rice selling at 8 seers per rupee at Araria. Kishanganj report not received. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 16·96 | 8<br>13* | 8<br>13* | Weather seasonable. Rainfall 10·63 inches at Siliguri. Hills—maize, potatoes, *bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Preparation of lands for transplantation of winter rice nearly finished. Prospects of jute and other standing crops fair. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 1·99 | 9¼<br>12* | 9<br>12* | Rainfall at Deoghar 5·5[illegible], at Godda 4·54, at Jamtara 3·80, at Pakour 1·74 and at Rajmahal 1·48 inches. More rain wanted at Dumka and Rajmahal. Transplantation of paddy going on. Maize thriving. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. No cattle-disease reported. Fodder and water sufficient. Prospects of jute unfavourable. |
| 24 | CUTTACK ... | 1·37 | 10½ | 10½ | *Saradh* paddy being transplantated. *Beali* paddy in ear and in some places ripening. Condition of jute fair. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 3·06 | 11½ | 11½ | Rainfall at Bhadrak 1·27 inches. Weather seasonable. Weeding of *beali* paddy and transplanting of *saradh* paddy continuing. Sugarcane and vegetables thriving. Condition of jute favourable. Prospects good. Common rice selling at 11½ seers per rupee at Bhadrak. Prices stationary. Fodder and water and food-stocks sufficient. |
| 26 | ANGUL ... | 1·65 | 15 | 15 | Rainfall at Phulbani 1·32 inches. Weather rainy. Puddling and transplanting of winter paddy progressing. More rain wanted for upland winter paddy. Condition of agricultural stock good. Common rice selling at 12 seers a rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 1·57 | [illegible] | 8½ | Rainfall at Khurda 2·[illegible]6 inches. Weather seasonable. Transplantation of *saradh* paddy going on. *Mandia* and *beali* paddy being weeded. Sugarcane, jute, cotton, and *til* doing well. Cattle-disease reported from Bhubaneswar and Khurda. |
| 28 | SAMBALPUR ... | 3·17 | 11¼ | 11¼ | Weather cloudy with daily rain. Heavy showers wanted in Padampur circle of Bargarh *tahsil* for thinning operations. Thinning and transplanting of autumn and winter rice continuing. Weeding of autumn rice commenced. Sowings of *urid* continuing in Bargarh. Condition of sugarcane good. Stocks of food-grains and fodder and water supply sufficient. No apprehension of scarcity. Rinderpest and foot-and-mouth disease reported. Cheapest common rice selling at 13½ seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 5·03 | 8½<br>14½* | 8¼<br>12* | Weather seasonable. Transplantation of winter rice going on, but more rain wanted. Condition of standing crops good. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 4·59 | 8 | 8¼ | Weather cloudy. State of standing crops good. Transplantation of paddy in full swing. Lands being prepared for sowing of *sirguja*. Sporadic cattle-disease reported from some thanas. Condition of agricultural stock otherwise good. Fodder and water sufficient. |
| 31 | PALAMAU ... | 2·75 | 8 1/16 | 8⅞ | Weather seasonable. Rainfall general. State of standing crops good. Fodder and water sufficient. Cattle-disease reported from one thana. 230 persons on gratuitous relief in pargana Japla. |
| 32 | MANBHUM ... | 4·84 | 9 | 9½ | Weather seasonable. State of standing crops good. Transplanting of winter rice in full swing. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·41 | 9 | 9 | Weather seasonable. Transplantation of paddy going on. Rain urgently needed in Seraikella State. Condition of cattle good. Fodder and water sufficient. Common rice selling at 10 seers per rupee at Seraikella. Report from Kharsawan not received. |
| 34 | COOCH BEHAR | 7·41 | 7 3/16 | 7 3/16 | Weather hot and cloudy. Transplanting of *haimantik* paddy seedlings and harvesting of *bidi* paddy continuing. Condition of jute fair. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 4·66<br>Athmallik ... 3·68<br>Baramba ... 3·21<br>Baud ... 2·65<br>Bonai ... 4·61<br>Dhenkanal ... 5·91<br>Gangpur ... 7·00<br>Hindol ... 4·32<br>Kalahandi ... 7·60<br>Keonjhar ... 8·11<br>Mayurbhanj ... 4·53<br>Narsingpur ... 1·05<br>Nayagarh ... 4·28<br>Nilgiri ... 3·10<br>Pal-Lahara ... 6·80<br>Patna ... 2·62<br>Rairakhol ... 4·57<br>Ranpur ... 9·81<br>Sonpur ... 2·97<br>Talcher ... 4·02<br>Khandpara ... Copious rain for 3 days during the week throughout the State.<br>Sowing of paddy almost finished in all States. In Patna and Sonpur, transplantation and reploughing of lands in progress in all the States. Standing crops doing well. Fodder and water sufficient. Price of common rice varying from 11½ seers in Athmallik and 12 seers in Narsinghpur and Khandpara to 17 seers in Patna and 18 seers in Talcher. |

* The report is for the week ending the 17th July 1909.

GENERAL SUMMARY.—The week's rainfall was general. It was heavier than usual in South Bihar, Saran, Darjeeling, Hazaribagh, Khulna and Cooch Bihar. In Lower Bengal, Orissa and the Bhagalpur Division, it was generally light. Transplantation of winter rice is in progress, but more rain is required for this operation in Purnea, the Sonthal Parganas, Angul and Sambalpur, and in South-West Bengal excepting Khulna and the 24-Parganas. The condition of jute, sugarcane, autumn paddy and other standing crops is good. Some litt' damage by insect-pests to paddy and jute is reporte from Nadia and Jessore. The price of common rice has risen in Burdwan, Bankura, the 24-Parganas, Palamau and Manbhum and has fallen in Gaya, Shahabad, Darbhanga, the Sonthal Parganas, Hazaribagh and Ranchi. Rinderpest is prevalent in parts of Sambalpur and other ordinary cattle-diseases are reported from Burdwan, Midnapore, Nadia, Murshidabad, Jessore, Patna, Gaya, Saran, Champaran, Muzaffarpur, Purnea, Monghyr, Angul, Puri, Ranchi and Palamau. The fodder and water-supply is sufficient throughout the Province. The number f persons on famine relief works in Darbhanga was 738. These works have been closed from the 24th nstant. The number of persons gratuitously relieved in Muzaffarpur, Darbhanga and Palamau was 26,361.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 27th July 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Station Bazars of the districts of Bengal on the 15th July 1909*—concld.

| SEERS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KARALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | | ... | ... | ... | 12 0 | 12 8 | 10 0 | 12 0 | 12 0 | 9 0 | 9 4 | 9 1 | 8 4 | S 20 0 | 20 0 | 19 0 | 2 0 0 | Panga. 12 0 0 | 12 2 0 | | | | 20 |
| ... | ... | ... | | ... | ... | 11 8 | 11 9 | 8 14 | 12 10 | 11 8 | 12 10 | 8 11 | 9 0 | 7 10 | T 20 0 | 21 4 | 18 12 | 1 11 0 | Panga. 1 14 0 | 1 14 6 | | | | 21 |
| ... | ... | ... | ... | ... | ... | 8 12 | 8 12 | 10 0 | 13 4 | 13 0 | 14 0 | 7 8 | 7 8 | 6 8 | U 16 0 | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 0 0 | | | | 22 |
| 13 0 | 13 0 | 11 0 | ... | ... | ... | 8 0 | 8 0 | 7 8 | 14 0 | 14 0 | 11 0 | 5 8 | 5 8 | 5 1 | V 14 0 | 14 0 | 13 0 | 2 12 0 | 2 12 0 | 3 0 0 | | | | 23 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 9 0 | 12 0 | 12 0 | 9 0 | 9 0 | 8 0 | 6 0 | W 18 0 | 18 0 | 16 0 | 2 3 6 | Karkatch. 2 3 6 | 2 8 0 | | | | 24 |
| ... | ... | ... | ... | ... | ... | 9 8 | Biri or kalai. 9 8 | 9 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 13 0 | 1 13 0 | | | | 25 |
| ... | ... | ... | ... | ... | ... | 11 0<br>13 8 | Chhola. 11 0 1 9<br>Biri. 11 0 | 9 0 | ... | ... | ... | 7 0 | 7 0 | 6 4 | Y 21 0 | 21 0 | 20 0 | 1 14 0 | Panga. 1 14 0 | 1 13 0 | | | | 26 |
| ... | ... | ... | ... | ... | ... | 9 0 | Bir. 9 0 | 6 8 | ... | ... | ... | 12 0 | 12 0 | 6 8 | Z 16 0 | 16 0 | 10 8 | 2 0 0 | Karkatch. 2 4 0 | 3 0 0 | | | | 27 |
| ... | ... | ... | ... | ... | ... | 10 13 | 10 8 | 8 8 | ... | ... | ... | 7 3 | 6 14 | 5 14 | a 24 8 | 26 8 | 25 0 | 1 10 0 | Karkatch. 1 8 0 | 1 10 0 | | | | 28 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 7 8 | ... | ... | ... | 7 0 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | | | | 29 |
| 14 0 | 14 0 | 9 0 | ... | ... | ... | 11 0 | 11 0 | 8 4 | 11 8 | 11 0 | 8 0 | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 8 0 | | | | 30 |
| 17 0 | 17 0 | 10 0 | ... | ... | ... | 10 0 | 10 12 | 8 0 | 10 0 | 10 0 | 8 0 | 6 12 | 6 8 to 8 0 | 5 0 to 7 4 | 18 0 | 17 8 | 16 0 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | | | | 31 |
| ... | ... | ... | ... | ... | ... | 11 13 | 11 15 | 9 5 | ... | ... | 8 7 | 9 0 | 9 0 | 6 12 | 18 9 | 18 9 | 18 9 | ... | ... | ... | | | | 32 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 0 | 8 8 | ... | 8 0 | 10 0 | 8 0 | 8 8 | 7 0 | c 18 0 | 18 0 | 18 0 | 2 0 0 | Panga. 2 0 0 | 2 1 0 | | | | 33 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 1 0 | 2 1 0 | 2 4 0 | | | | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga); Jajpur 19 seers.
Y. The retail price of salt at Bhadrak is 18 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Bantla 16 seers (karkatch); Phulbani 13½ seers.
a. The retail price of salt per rupee at Khurda is 24 seers
b. The retail price of salt per rupee at Bargarh is 14 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbani 16 seers; Jhalda 16 seers.

Published for general information.

W. R. GOURLAY,
*Offg Director of Agriculture, Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c.,*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 7 0 0 | 6 14 0 | 7 4 0 | 5 2 0 | 5 2 0 | 6 4 0 | 3 10 0 | 3 14 0 | 4 14 0 | 4 10 0 | 4 10 0 | 4 14 0 |
| 2 | Burdwan ... | 5 12 0 | 5 8 0 | 6 14 6 | 5 2 0 | 5 0 0 | 6 8 0 | 4 15 0 | 4 13 0 | 6 0 0 | ... | ... | ... |
| 3 | Midnapore ... | 5 2 0 | 4 14 0 to 5 0 0 | 6 14 0 to 7 0 0 | 4 4 0 | 4 1 0 | 6 5 0 | 3 14 0 | 4 0 0 | 5 6 0 | ... | ... | ... |
| 4 | Patna ... | 7 4 0 | 7 4 0 | 9 0 0 | 4 10 0 | 4 8 0 | 5 8 0 | 4 0 0 | 4 0 0 | 4 10 0 | 4 0 0 | 3 12 0 | 4 10 0 |
| 5 | Muzaffarpur .. | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 0 | Not reported. | 6 10 6 | 4 7 0 | 4 7 0 | 4 10 6 | 4 7 0 | 4 7 0 | 4 10 6 |
| 6 | Bhagalpur ... | 7 0 0 | 6 6 0 | 6 5 0 | 5 9 6 | 5 9 6 | 5 9 0 | 4 13 0 | 4 13 0 | 4 14 0 | 4 8 0 | 4 4 0 | 4 8 0 |
| 7 | Cuttack .. | 6 1 6 | 6 1 6 | 7 3 0 | 3 12 11 | 3 12 11 | 5 5 0 | 3 12 11 | 3 12 11 | 5 4 9 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur ... | 5 15 0 | 5 15 0 | 6 10 0 | 3 11 3 | 3 11 6 | 4 11 0 | 3 6 3 | 3 6 3 | 4 7 0 | 4 7 0 | 4 6 0 | 4 14 0 |
| 9 | Ranchi ... | 5 0 0 | 5 12 0 | 8 0 0 | 4 8 0 | 4 7 0 | 4 0 | 4 0 0 | 4 0 0 | 5 0 0 | 4 12 0 | 4 11 0 to 5 0 0 | 5 4 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 3 0 0 | 3 0 0 | 4 4 0 | 4 8 0 | 4 10 0 | 5 8 0 | 6 0 0 | 5 8 0 | 5 8 0 | 4 14 0 | 5 0 0 | 7 0 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 10 0 | 4 8 0 | 5 14 0 | ... | ... | ... | 5 4 0 | 5 0 0 | 7 4 0 |
| 3 | Midnapore ... | ... | ... | ... | 4 10 0 | 4 12 0 to 5 0 0 | 6 0 0 | 5 8 0 | 4 14 0 | 5 2 0 | 5 10 0 to 5 12 0 | Black mustard. 5 8 0 | 7 2 0 |
| 4 | Patna ... | 3 0 6 | 3 2 0 | Not sold | 3 9 0 | 3 9 0 | 4 10 0 | 6 0 0 | 5 8 0 | 5 12 0 | 5 0 0 | Rapeseed. 4 14 0 | 6 12 0 |
| 5 | Muzaffarpur ... | 3 3 0 | 3 1 3 | 4 0 0 | 4 7 0 | 4 7 0 | 4 10 6 | ... | ... | ... | ... | 5 6 0 ... | 6 8 0 ... |
| 6 | Bhagalpur ... | 3 2 6 | 3 8 0 | 3 2 6 | 4 8 0 | 4 7 0 | 5 4 0 | 6 0 0 | 5 12 0 | 5 10 6 | 4 12 0 | Rapeseed 5 0 0 | 6 8 0 |
| | | | | | | | | | | | 5 0 0 | Mustard. 4 2 0 | 6 6 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 8 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 5 0 0 | 4 4 0 | 7 4 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 12 0 | 5 0 0 to 6 0 0 | 5 8 0 to 8 0 0 | 6 0 0 | 6 8 0 | 10 0 0 | 5 0 0 to 5 12 0 | 5 0 0 to 5 7 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th July 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kalai, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 0 0 | 3 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 10 0 | 4 8 0 | 1 |
| — | ... | — | — | ... | ... | ... | — | ... | ... | ... | ... | 3 8 0 | 3 6 0 | 4 8 0 | 2 |
| ... | ... | ... | — | ... | — | ... | ... | ... | — | ... | ... | 3 4 0 to 3 6 0 | 3 6 0 to 3 10 0 | 1 14 0 to 5 2 0 | 3 |
| 2 9 0 | 2 7 0 | 3 2 0 | ... | ... | 4 14 0 | ... | ... | ... | ... | ... | ... | 3 1 6 | 3 2 0 | 3 15 0 | 4 |
| 2 10 6 | 2 10 6 | 3 1 3 | — | ... | — | ... | — | ... | 2 10 6 | 2 10 6 | ... | 3 5 3 | 3 5 3 | 4 0 0 | 5 |
| 3 2 6 | 3 0 0 | 3 5 0 | ... | ... | — | ... | ... | ... | — | ... | ... | 3 7 0 | 3 7 0 | 4 8 0 | 6 |
| — | — | ... | ... | ... | — | ... | ... | ... | ... | ... | ... | Biri or kalai. 4 3 9 | 4 3 9 | 4 3 4 | 7 |
| ... | — | ... | — | — | — | — | — | — | ... | ... | ... | 3 7 6 | 3 7 6 | 5 0 0 | 8 |
| 3 4 0 | 3 5 0 | 5 9 0 | — | ... | ... | ... | ... | ... | ... | ... | ... | 4 0 0 | 3 12 0 | 4 11 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 6 0 | 6 12 0 | 6 0 0 | 5 8 0 | 5 12 0 | 20 0 0 | 20 0 0 | 18 0 0 | 5 0 0 | 5 0 0 | 5 8 0 | 1 |
| ... | ... | ... | 9 8 0 | 8 12 0 | 5 8 0 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 0 0 to 8 4 0 | 7 12 0 to 8 0 0 | 5 8 0 to 5 12 0 | 22 0 0 | 20 0 0 to 24 0 0 | 20 0 0 to 24 0 0 | — | — | — | 3 |
| 5 8 0 | 5 8 0 | 6 8 0 | 6 0 0 | 5 8 0 to 6 0 0 | 4 12 0 to 5 12 0 | 19 0 0 | 19 0 0 | 18 0 0 | ... | ... | 5 8 0 | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 3 5 3 | — | ... | — | ... | ... | ... | 5 |
| ... | — | ... | 5 14 0 | 4 10 0 | 4 13 0 | 22 0 0 | 21 8 0 | 20 0 0 | ... | — | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | — | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 0 0 | 6 0 0 | 5 8 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 4 12 0 | 8 |
| ... | ... | ... | 6 0 0 | 6 4 0 | 6 8 0 | 20 0 0 | 23 0 0 | 20 0 0 | ... | ... | — | 9 |

[*Continued overleaf*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c.,*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta ... | 41 0 0 | 42 0 0 | 43 0 0 | 8 4 0 | 8 4 0 | 8 0 0 | 335 0 0 | 400 0 0 | 400 0 0 |
| 2 | Burdwan ... | 40 0 0 | 37 0 0 | 40 0 0 | ... | | ... | ... | ... | ... |
| | | | | | Madhukhali. | | | Uncleaned per piece. | | |
| 3 | Midnapore ... | 43 0 0 to 44 0 0 | 37 0 0 to 42 0 0 | 37 0 0 to 40 0 0 | 12 8 0 to 12 10 0 | 12 8 0 | 9 12 0 | 2 12 0 to 3 8 0 | 2 8 0 to 3 4 0 | 2 8 0 to 3 4 0 |
| | | | | | Salta | | | Cleaned per piece. | | |
| | | | | | 14 0 0 | 13 12 0 to 14 0 0 | 12 0 0 | 3 0 0 to 3 12 0 | 2 12 0 to 3 8 0 | 2 12 0 to 3 8 0 |
| 4 | Patna ... | 35 0 0 to 40 0 0 | 32 0 0 to 35 0 0 | 36 0 0 to 39 0 0 | 3 0 0 to 5 0 0 | 4 0 0 to 6 0 0 | 2 0 0 to 4 0 0 | ... | ... | 30 0 0 |
| 5 | Muzaffarpur ... | 35 9 0 | 35 9 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | .. | ... | — |
| 6 | Bhagalpur ... | 33 0 0 | 34 0 0 | 42 0 0 | 12 8 0 | 12 8 0 | 12 0 0 | .. | ... | ... |
| 7 | Cuttack .. | 45 11 6 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 0 0 | 36 0 0 | 39 0 0 | 18 0 0 | 18 0 0 | 16 0 0 | 35 0 0 | 30 0 0 | 30 0 0 |
| | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi .. | 35 0 0 | 36 0 0 | 40 0 0 | 12 0 0 to 16 0 0 | 8 0 0 to 13 0 0 | 10 0 0 to 16 0 0 | 0 8 0 | 0 8 0 | 2 0 0 to 2 8 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 9 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 2 0 0 | 2 0 0 | ... |
| 2 | Burdwan ... | — | .. | ... | 0 10 0 | 0 10 6 | 0 9 0 | 1 11 0 | Panga. 1 12 0 | 1 12 0 | ... | ... | ... |
| 3 | Midnapore ... | 2 0 0 to 4 0 0 | 2 0 0 to 4 0 0 | 8 0 to 5 0 0 | 0 6 0 | 0 6 0 | 0 4 0 | 1 11 0<br>1 12 0 | Crushed. 1 12 0<br>Bombay. 1 14 0 | 1 12 0<br>2 0 0 | ... | ... | ... |
| 4 | Patna ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 8 0 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | Not reported. | 1 4 0 | ... |
| 5 | Muzaffarpur .. | 3 0 0 | 8 0 0 | 8 0 0 | 0 5 3 | 0 5 3 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 1 6 | 1 5 3 | 1 0 0 | ... |
| 6 | Bhagalpur ... | 4 8 0 | 5 0 0 | 5 0 0 | 0 6 3 | 0 5 6 | 0 6 6 | 1 14 0 | Panga. 1 14 0 | 1 14 6 | 0 9 0 | 0 8 0 | ... |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur .. | ... | ... | ... | 0 4 0 | 0 4 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 4 8 0 | 5 0 0 | 5 8 0 | 0 5 3 | 0 4 6 | 0 5 3 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | 2 8 0 | 2 8 0 | ... |

**Calcutta,**
*The 26th July 1909.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 24th July 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 24th July 1909. | | | Week ending Saturday, the 25th July 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 376 | 34,499 | 572 | 493 | 78,731 | 797 |
| Jute ... ... | 83 | 10,420* | 149 | 74 | 25,482† | 340 |
| Firewood ... ... | 15 | 10,500 | 162 | 111 | 86,950 | 1,629 |
| Other articles ... ... | 626 | 2,38,6[illegible] | 2,405 | 647 | 1,89,141 | 2,056 |
| Total ... | 1,050 | 2,94,1[illegible] | 3,288 | 1,325 | 3,80,304 | 4,822 |

* Weight by canal measurement, 12,0[illegible] maunds.
† Ditto ditto, 32,500 ,,

CALCUTTA,
*The 27th July 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu, *Pennisetum typhoideum*. Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division | 20 | Monghyr ... | 9 8 | 10 0 | 9 4 | 12 0 | 12 8 | 12 8 | 7 12 | 7 13 | 7 2 | 8 0 | 8 0 | 7 4 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 8 14 | 9 6 | 8 14 | 12 10 | 13 5 | 12 0 | 7 10 | 7 4 | 7 2 | 8 4 | 8 3 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 4 | 8 4 | 10 0 | ... | ... | ... | 7 0 | 7 0 | 7 0 | Rangoon. 10 0 Local. 8 0 | 10 0 | 8 0 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling .. | 6 0 | 6 0 | 6 0 | 8 0 | 8 0 | 6 4 | 4 0 | 4 0 | 6 0 | 6 0 | 6 0 | 7 8 | ... | ... | . | ... | ... | ... |
| | 24 | Sonthal Parganas. | 8 8 | 8 4 | 7 0 | 13 0 | 12 0 | 8 0 | 8 4 | 8 4 | 6 8 | 9 0 | 9 0 | 7 4 | ... | ... | . | ... | ... | — |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 10 8 | 10 8 | 7 2 | 10 8 | 10 8 | 7 8 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore .. | 8 4 | 8 4 | 7 0 | ... | ... | ... | 10 8 | 10 8 | 7 12 | 11 8 | 11 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | 5 0 | 5 0 | 5 0 | ... | .. | ... | 15 0 | 15 0 | 6 0 | 15 0 | 15 0 | 6 0 | . | — | ... | .. | ... | ... |
| | 28 | Puri ... | 8 8 | 8 3 | 7 8 | .. | ... | ... | 8 8 | 9 3 | 6 9 | 9 13 | 10 8 | 6 14 | ... | ... | — | — | ... | ... |
| | 29 | Sambalpur... | 8 12 | 9 0 | 8 0 | ... | ... | ... | 10 4 | 10 [illegible] | 8 0 | 11 4 | 11 4 | 8 8 | ... | ... | — | ... | ... | ... |
| CHOTA NAGPUR | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 8 | 7 0 | 12 0 | 12 0 | 9 0 | 9 [illegible] | 8 8 | 6 0 | 8 12 | 9 0 | 7 4 | ... | — | — | ... | ... | — |
| | 31 | Ranchi ... | 8 4 | 8 0 to 8 8 | 7 8 | 12 0 | 12 0 | 8 0 | 9 0 | 9 0 | 6 4 | 10 0 | 10 0 | 7 12 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | ... | 7 14 | ... | ... | Not sold. | 8 7 | 7 5 | 7 1 | 9 4 | 8 7 | 7 11 | ... | — | ... | ... | — | — |
| | 33 | Manbhum .. | 8 4 | 8 4 | 7 0 | 10 0 | 11 0 | 8 0 | 9 0 | 9 0 | 6 8 | 10 0 | 10 0 | 7 0 | ... | ... | ... | 11 0 | 13 0 | — |
| | 34 | Singhbhum | 8 0 | 8 0 | 7 8 | ... | ... | ... | 7 0 | 7 0 | 5 8 | 9 0 | 9 0 | 7 0 | ... | — | ... | ... | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Bugusarai 20 seers; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers; Madhipura 13 seers; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 16 seers; Basantpur 18 seers.
V. In the subdivisions the retail prices of salt per rupee are—Kurseong not received; Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers; Deoghur 20 seers; Pakour 20 seers; Rajmahal not received and Jamtara not received.

CALCUTTA,
*The 26th July 1909.*

*the undermentioned Marts of Bengal on the 15th July 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 1 0 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 9 0 | 0 9 0 | 0 8 0 | — | ... | — | Burdwan ... | 2 |
| ... | — | ... | 0 6 0 | 0 8 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | 0 8 0 | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | ... | — | ... | ... | ... | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | . | .. | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | ... | ... | Cuttack ... | 7 |
| ... | ... | — | .. | . | ... | ... | — | — | Sambalpur ... | 8 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 13 0 | 0 13 0 | 1 12 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 6 0 | 2 8 0 | ... | 3 10 0 | 3 12 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| 4 0 0 | 3 12 0 | ... | ... | ... | ... | Per tin. (Bull brand.) 1 8 0 | 1 10 0 | ... | Burdwan ... | 2 |
| 0 10 0 | 0 12 0 | ... | 4 6 0 | 4 8 0 | ... | Per tin. (Elephant brand.) 1 10 [illegible] | 1 9 9 | ... | Midnapore .. | 3 |
| Not reported. | 2 2 0 | ... | ... | ... | ... | Not reported. Per tin. 1 12 0 to 2 1 0 | (Victoria brand.) (Elephant brand.) | | Patna ... | 4 |
| 2 8 0 | 2 8 0 | ... | 3 10 0 | 3 10 0 | ... | Per tin. (Victoria brand.) 1 12 0 | 1 12 0 | ... | Muzaffarpur ... | 5 |
| 2 11 0 | 2 0 0 | ... | 3 7 0 | 3 8 0 | ... | Per tin. 1 8 0 to 3 4 0 | 1 8 0 to 3 8 0 | (Swan brand.) (Snowflake brand.) | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | ... | 5 1 4 | 5 1 4 | ... | Per tin. 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | Per tin. 1 11 0 | 1 12 0 to 3 7 0 | (Victoria brand.) (Snowflake brand.) | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | ... | 4 8 0 | 4 8 0 | ... | Per tin. 2 0 0 | 2 10 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of June 1909.*

| Circle. | District. | Canal. | Estimated full discharge for the year. | Average discharge in month. | Discharge utilized. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system... ... ... | 1,342 | 201 | 3 | ... | 36 | 62,886 | ... | ... | ... | ... | ... | 62,886 | 13·02 | 18·06 | 23·10 | 25·19 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 531 | 182 | ... | ... | 85,580 | ... | ... | ... | 40 | 40 | 85,620 | 15·30 | 25·44 | 17·41 | 16·00 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 108 | 33 | ... | 5 | 24,598 | ... | ... | ... | ... | ... | 24,598 | 9·15 | 22·13 | 9·63 | 10·92 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 738 | 26 | 2 | ... | ... | 5,158 | ... | ... | ... | ... | ... | 5,158 | 11·14 | 26·13 | ... | 1·24 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jaipur Canal ... ... ... ... | 700 | ... | ... | 11 | 11 | 16,852 | ... | ... | 5 | 6 | 11 | 16,863 | 8·20 | 20·80 | 11·62 | 13·88 | Jajpur. |
| | Balasore | Dudhai Canal ... ... ... | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 107 | 40 | 416 | 339 | 34,264 | ... | ... | 350 | 2 | 352 | 34,616 | 12·14 | 23·98 | 7·47 | 9·11 | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 427 | 391 | 229,338 | ... | | 355 | 48 | 403 | 229,741 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 251,361 | ... | ... | 375 | 34 | 409 | 251,770 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 286 | 376 | 31,521 | 87 | 45,598 | (a) 4,332 | ... | ... | ... | 4,332 | 50,230 | 10·57 | 20·73 | 8·43 | 17·82 | |
| | | Panchkura ... ... ... | 522 | 36 | 13 | 1,986 | ... | 4,897 | ... | ... | ... | ... | ... | 4,897 | 8·78 | 15·18 | 13·98 | 19·87 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 16·39 | 25·78 | 19·82 | 24·53 | |
| | | Total Midnapore Canal ... | ... | ... | ... | 33,507 | 87 | 50,795 | 4,332 | ... | ... | ... | 4,332 | 55,127 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 47,264 | ... | ... | ... | ... | ... | 47,264 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... ... | 1,000 | 38 | 38 | Nil | Nil | 14,554 | ... | 1 | ... | ... | 1 | 14,555 | 26·25 | 39·91 | 21·54 | 29·59 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 19,520 | ... | ... | ... | ... | ... | 19,520 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,850 | (b)1,452 | 114 | 5,196 | 5,643 | 15,635 | 128 | ... | ... | 584 | 712 | 16,397 | 11·51 | 12·51 | 3·92 | 3·94 |
| | | Buxar | .. | 348 | 148 | 31,576 | 30,756 | 86,740 | 18 | ... | ... | 10,053 | 10,071 | 96,811 | | | | |
| | | Arrah | 2,650 | 836 | 241 | 46,879 | 46,666 | 133,467 | 2,209 | ... | ... | 15,830 | 18,039 | 151,506 | 11·39 | 12·97 | 4·00 | 4·03 |
| | Patna and Gaya | Eastern Main | 1,850 | 449 | 231 | 1,185 | 1,068 | 2,970 | 668 | ... | ... | ... | 668 | 3,638 | 10·61 | 12·25 | 2·68 | 3·03 |
| | | Patna | | | | 33,863 | 28,210 | 85,176 | 8,993 | ... | ... | 9,169 | 18,162 | 103,338 | | | | |
| | | Total Sone Canals | ... | ... | ... | 118,499 | 112,343 | 334,038 | 12,016 | ... | ... | 35,636 | 47,652 | 371,690 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 327,156 | 1,183 | ... | ... | 21,156 | 22,339 | 349,495 | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | 3 | 2 | 115 | 294 | ... | ... | ... | ... | 66 | 66 | 66 | 8·47 | 16·37 | 2·92 | 4·57 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 233 | 233 | 233 | ... | ... | ... | ... |
| | | Dhaka | 300 | 4 | 3 | 131 | 222 | ... | ... | ... | ... | 306 | 306 | 306 | 13·88 | 20·66 | 3·20 | 6·06 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 335 | 335 | 335 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 152,679 | 113,337 | 619,725 | 16,348 | 1 | 355 | 36,056 | 52,760 | 671,485 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 645,301 | 1,183 | ... | 375 | 21,758 | 23,316 | 668,617 | ... | ... | ... | ... |

(a) Covering lease.

(b) Canal at head ... C. ft. 1,358

Do. from regulator to end excluding Buxar Canal ... 114

CALCUTTA,
*The 6th July 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

*Vital Statistics of the districts of Bengal for the month of May 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,509 | 35·28 | 101 | [illegible] | 169 | 1·32 | ... | ... | 2,085 | 16·32 | 69 | ·48 | 22 | ·12 | 36 | ·24 | 711 | 5·52 | 3,203 | 24·96 | 4,745 | 37·08 | |
| | Birbhum | 902,280 | 3,040 | 40·32 | 9 | ·10 | [illegible] | 1·08 | ... | ... | 1,484 | 19·68 | 14 | ·12 | 1 | ·01 | 12 | ·12 | 279 | 3·60 | 1,884 | 24·96 | 2,870 | 38·16 | |
| | Bankura | 1,116,411 | 3,968 | 42·60 | 117 | 1·20 | [illegible] | ·84 | ... | ... | 1,851 | 17·64 | 38 | ·36 | 9 | ·09 | 37 | ·36 | 705 | 7·56 | 2,637 | 28·32 | 3,147 | 33·72 | |
| | Midnapore | 2,789,114 | 7,747 | 33·24 | 90 | ·36 | [illegible] | 2·52 | ... | ... | 3,240 | 13·92 | 92 | ·36 | 18 | ·07 | 62 | ·24 | 984 | 4·20 | 5,074 | 21·72 | 6,575 | 28·20 | |
| | Hooghly, including Serampore. | 1,049,041 | 2,592 | 29·52 | 114 | 1·20 | [illegible] | 2·28 | 1 | ·01 | 1,318 | 15·00 | 192 | 2·16 | 47 | ·48 | 59 | ·60 | 420 | 4·80 | 2,351 | 26·88 | 2,744 | 31·32 | |
| | Howrah | 850,514 | 2,078 | 29·28 | 145 | 2·04 | 412 | 5·76 | 7 | ·09 | 698 | 9·84 | 175 | 2·40 | 61 | ·84 | 56 | ·72 | 445 | 6·24 | 2,002 | 28·20 | 1,950 | 27·84 | |
| Presidency | 24-Parganas | 2,078,359 | 5,881 | 33·60 | 258 | 1·44 | 321 | 1·80 | 13 | ·07 | 1,944 | 11·16 | 102 | ·48 | 84 | ·48 | 116 | ·60 | 760 | 4·32 | 3,398 | 20·64 | 3,896 | 22·44 | |
| | Calcutta | 847,796 | 1,728 | 24·36 | 300 | 4·20 | 218 | 3·00 | 632 | 8·88 | 279 | 3·84 | 121 | 1·68 | 340 | 4·80 | 43 | ·60 | 852 | 12·00 | 2,785 | 39·36 | 2,655 | 37·56 | |
| | Nadia | 1,667,491 | 5,221 | 37·56 | 145 | ·96 | 77 | ·48 | ... | ... | [illegible] | 17·04 | 9 | ·06 | 3 | ·01 | 73 | ·48 | 587 | 4·20 | 3,276 | 23·52 | 5,387 | 38·76 | |
| | Murshidabad | 1,333,184 | 4,155 | 37·32 | 4 | ·03 | 121 | 1·08 | ... | ... | 1,7[illegible] | 15·36 | 8 | ·07 | 2 | ·01 | 47 | ·36 | 447 | 3·96 | 2,348 | 21·12 | 4,129 | 37·08 | |
| | Jessore | 1,813,155 | 4,420 | 29·16 | 867 | 5·64 | 81 | ·48 | ... | ... | 2,68[illegible] | 17·64 | 12 | ·07 | 12 | ·07 | 93 | ·60 | 443 | 2·88 | 4,191 | 27·72 | 4,958 | 32·76 | |
| | Khulna | 1,253,043 | 3,107 | 29·64 | 343 | 3·24 | 34 | ·24 | ... | ... | 1,548 | 14·76 | 20 | ·12 | 6 | ·04 | 78 | ·72 | 504 | 4·80 | 2,533 | 24·24 | 2,721 | 26·04 | |
| Patna | Patna | 1,624,742 | 4,757 | 35·04 | 344 | 2·52 | 579 | 4·20 | 90 | ·60 | 2,376 | 17·52 | 185 | 1·32 | 172 | 1·20 | 96 | ·60 | 1,215 | 8·88 | 5,057 | 37·32 | 5,691 | 41·28 | |
| | Gaya | 2,059,933 | 5,105 | 29·64 | 374 | 2·16 | 389 | 2·16 | 4 | ·01 | 3,554 | [illegible] | 52 | ·24 | 17 | ·09 | 83 | ·48 | 631 | 3·72 | 5,154 | 30·00 | 7,140 | 41·52 | |
| | Shahabad | ..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Return not yet received. |
| Tirhut | Saran | 2,410,154 | 9,421 | 46·80 | 47 | ·12 | 646 | 3·12 | 85 | ·36 | 3,902 | 17·88 | 249 | ·72 | 113 | ·48 | 93 | ·36 | 2,411 | 12·00 | 7,146 | 35·52 | 8,648 | 42·96 | |
| | Champaran | 1,790,463 | 7,068 | 47·28 | 178 | 1·08 | 225 | 1·44 | 8 | ·04 | 3,615 | 24·12 | 14 | ·08 | 4 | ·02 | 69 | ·36 | 1,170 | 7·08 | 5,183 | 34·32 | 5,189 | 34·68 | |
| | Muzaffarpur | 2,754,790 | 8,654 | 37·68 | 189 | ·72 | 119 | ·48 | 25 | ·10 | 5,051 | 21·96 | 58 | ·24 | 10 | ·03 | 116 | ·48 | 968 | 4·20 | 6,536 | 28·44 | 8,851 | 38·52 | |
| | Darbhanga | 2,912,611 | 10,091 | 41·52 | 810 | 3·24 | 299 | 1·20 | 18 | ·04 | 7,524 | 30·96 | 189 | ·72 | 13 | ·04 | 153 | ·60 | 1,460 | 6·00 | 10,461 | 43·08 | 8,810 | 36·24 | |
| Bhagalpur | Monghyr | 2,068,804 | 7,184 | 41·64 | 838 | 4·80 | 172 | ·96 | 53 | ·24 | 4,523 | 26·16 | 41 | ·12 | 5 | ·02 | 81 | ·36 | 947 | 5·40 | 6,663 | 38·52 | 6,267 | 36·24 | |
| | Bhagalpur | 2,088,983 | 6,229 | 35·76 | 159 | ·84 | 89 | ·48 | ... | ... | 4,295 | 24·60 | 16 | ·08 | 3 | ·01 | 65 | ·36 | 572 | 3·24 | 5,202 | 29·88 | 6,141 | 35·16 | |
| | Purnea | 1,874,794 | 7,145 | 45·72 | 101 | ·60 | 26 | ·12 | ... | ... | 4,885 | 31·20 | 19 | ·12 | ... | ... | 79 | ·48 | 200 | 1·20 | 5,310 | 33·96 | 8,267 | 52·80 | |
| | Darjeeling | 249,117 | 781 | 37·56 | ... | ... | 8 | ·36 | ... | ... | 717 | 34·44 | 95 | 4·56 | 5 | ·24 | 8 | ·36 | 124 | 5·88 | 958 | 46·08 | 822 | 39·48 | |
| | Sonthal Parganas | 1,809,737 | 4,241 | 28·08 | 218 | 1·44 | 133 | ·84 | ... | ... | 2,535 | 16·80 | 26 | ·12 | 13 | ·08 | 41 | ·24 | 335 | 2·16 | 3,301 | 21·84 | 4,676 | 30·96 | |
| Orissa | Cuttack | 2,962,758 | 3,562 | 20·64 | 62 | ·36 | 79 | ·36 | ... | ... | 1,691 | 9·72 | 495 | 2·28 | 50 | ·24 | 147 | ·84 | 968 | 5·52 | 3,402 | 19·68 | 5,411 | 31·44 | |
| | Balasore | 1,971,197 | 3,058 | 34·20 | 12 | ·12 | 117 | 1·20 | ... | ... | 738 | 8·16 | 105 | 1·08 | ... | ... | 57 | ·60 | 870 | 9·72 | 1,899 | 21·24 | 4,648 | 51·96 | |
| | Puri | 1,017,284 | 2,245 | 26·40 | 143 | 1·68 | 33 | ·36 | ... | ... | 453 | 5·28 | 309 | 3·48 | 102 | 1·20 | 54 | ·60 | 701 | 8·16 | 1,786 | 21·00 | 2,894 | 3·96 | |
| | Sambalpur | 636,880 | 2,177 | 40·92 | 9 | ·12 | 2 | ·03 | ... | ... | 850 | 12·24 | 161 | 3·00 | 71 | 1·32 | 31 | ·48 | 517 | 9·72 | 1,441 | 27·12 | 1,394* | 2[illegible]·6* | * For three years. |
| | Angul and Khondmals | ... | | | | | | | | | | | | | | | | | | | | | | | Not under registration. |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 3,051 | 31·32 | 4 | ·03 | 133 | 1·32 | ... | ... | 2,116 | 21·48 | 22 | ·12 | 5 | ·04 | 63 | ·60 | 351 | 3·48 | 2,694 | 27·36 | 3,598 | 36·48 | |
| | Ranchi | 1,187,925 | 3,246 | 33·72 | 2 | ·01 | 296 | 2·88 | 1 | ·009 | 1,676 | 16·80 | 122 | 1·20 | 6 | ·06 | 44 | ·36 | 544 | 5·40 | 2,695 | 27·12 | 2,892 | 29·16 | |
| | Palamau | 619,600 | 1,533 | 29·64 | 10 | ·12 | 271 | 5·16 | ... | ... | 1,314 | 25·44 | 7 | ·12 | 1 | ·01 | 35 | ·60 | 213 | 4·[illegible]8 | 1,851 | 35·76 | 1,756 | 33·96 | |
| | Manbhum | 1,301,364 | 4,569 | 42·12 | 184 | 1·68 | 79 | ·72 | ... | ... | 2,219 | 20·40 | 17 | ·12 | ... | ... | 42 | ·36 | 517 | 4·68 | 3,058 | 28·08 | 4,431 | 40·80 | |
| | Singhbhum | 613,579 | 965 | 18·84 | 48 | ·84 | 72 | 1·32 | ... | ... | 780 | 15·36 | 14 | ·24 | ... | ... | 27 | ·48 | 56 | 1·08 | 1,097 | 19·68 | 1,350 | 26·40 | |
| | Total | 48,565,750 | 143,601 | 35·40 | 6,220 | 1·44 | 6,155 | 1·44 | 932 | ·12 | 75,398 | 18·60 | 2,552 | ·60 | 1,195 | ·24 | 2,096 | ·48 | 21,830 | 5·28 | 116,678 | 28·80 | 144,563 | 35·64 | |
| | Average of corresponding months of previous five years | ..... | 154,038 | 38·28 | 18,050 | 4·44 | 3,117 | ·72 | 3,881 | ·84 | 87,792 | 21·60 | 3,864 | ·84 | 970 | ·12 | 1,990 | ·48 | 24,899 | 6·12 | 144,563 | 35·64 | ... | ... | |
| | Difference + or − | ..... | −11,437 | −2·88 | −11,830 | −3·00 | +3,038 | +·72 | −2,949 | −·72 | −12,394 | −3·00 | −1,012 | −·24 | +225 | +·12 | +106 | Equal | −3,069 | −·84 | −27,885 | −6·84 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 17th July 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of May 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... | 1. Burdwan ... ... | 35,266 | 36 | 12·24 | 3 | ·96 | 14 | 4·68 | ... | ... | 27 | 9·12 | 7 | 2·28 | 1 | ·24 | 2 | ·60 | 10 | 3·36 | 64 | 21·72 | 75 | 25·44 | |
| Bankura ... | 2. Bankura ... ... | 20,737 | 46 | 26·52 | ... | ... | ... | ... | ... | ... | 14 | 8·04 | 1 | ·48 | 1 | ·48 | ... | ... | 2 | 1·08 | 18 | 10·32 | 27 | 15·60 | |
| Midnapore ... | 3. Midnapore ... ... | 38,140 | 67 | 23·52 | ... | ... | 11 | 3·60 | ... | ... | 48 | 17·28 | 10 | 3·60 | 4 | 1·44 | ... | ... | 13 | 4·68 | 85 | 30·72 | 108 | 39·00 | |
| Hooghly ... | 4. Hooghly and Chinsura | 29,188 | 55 | 22·44 | 10 | 4·08 | 3 | 1·20 | ... | ... | 25 | 8·52 | 13 | 5·28 | 4 | 1·56 | 2 | ·72 | 20 | 8·16 | 73 | 29·76 | 85 | 34·68 | |
| | 5. Serampore ... ... | 44,451 | 70 | 18·84 | 32 | 8·52 | 7 | 1·80 | ... | ... | 53 | 14·28 | 21 | 5·64 | 2 | ·48 | 1 | ·24 | 18 | 4·80 | 134 | 36·12 | 113 | 30·12 | |
| Howrah ... | 6. Howrah ... ... | 157,594 | 211 | 15·96 | 51 | 3·84 | 64 | 5·16 | 7 | ·48 | 159 | 12·00 | 39 | 2·88 | 17 | 1·20 | 12 | ·84 | 75 | 5·64 | 420 | 32·64 | 335 | 40·92 | |
| 24-Parganas | 7. Cossipore-Chitpur ... | 40,750 | 60 | 17·64 | 20 | 5·88 | 25 | 7·32 | 4 | 1·08 | 22 | 5·48 | 37 | 4·92 | 7 | 2·52 | ... | ... | 37 | 10·80 | 140 | 41·16 | 129 | 36·36 | |
| | 8. Manikpur ... ... | 32,387 | 44 | 16·20 | 15 | 5·50 | 24 | 8·52 | 9 | 3·24 | 31 | 12·12 | 12 | 4·44 | 14 | 5·16 | ... | ... | 31 | 11·40 | 145 | 53·64 | 29 | 10·68 | |
| | 9. South Suburban .. | 27,374 | 88 | 39·96 | 3 | 1·32 | 2 | ·84 | ... | ... | 41 | 18·00 | ... | ... | 2 | ·84 | 1 | ·36 | 9 | 4·08 | 58 | 26·28 | 49 | 22·20 | |
| | 10. Garden Reach .. | 28,211 | 63 | 25·92 | 14 | 5·88 | 16 | 6·72 | ... | ... | 52 | 9·24 | 14 | 5·88 | 3 | 1·20 | 3 | 1·20 | 7 | 2·88 | 70 | 33·60 | 38 | 16·08 | |
| | 11. Baranagore ... ... | 26,452 | 92 | 15·00 | 10 | 4·68 | 12 | 5·64 | ... | ... | 9 | 4·20 | 2 | ·84 | 4 | 1·80 | ... | ... | 5 | 2·28 | 42 | 19·80 | 51 | 24·00 | |
| | 12. Bhatpara .. ... | 21,840 | 49 | 27·24 | 9 | 4·92 | ... | ... | ... | ... | 24 | 13·32 | ... | ... | ... | ... | ... | ... | 6 | 3·24 | 39 | 21·72 | 47 | 26·16 | |
| Calcutta ... | 13. Calcutta ... ... | 847,792 | 1,728 | 24·36 | 300 | 4·20 | 218 | 3·06 | 6 | ·08 | 279 | 3·84 | 121 | 1·68 | 340 | 4·80 | 43 | ·60 | 852 | 12·00 | 2,785 | 39·36 | 2,055 | 37·56 | |
| Nadia ... | 14. Krishnagar ... .. | 24,547 | 48 | 23·40 | 8 | 3·84 | 3 | 1·44 | ... | ... | 28 | 13·68 | ... | ... | 1 | ·48 | 2 | ·96 | 10 | 4·80 | 52 | 25·32 | 45 | 21·96 | |
| | 15. Santipur ... ... | 26,288 | 92 | 41·04 | 6 | 2·64 | 6 | 2·64 | .. | .. | 18 | 7·92 | 2 | ·84 | ... | ... | ... | ... | 11 | 4·80 | 43 | 19·08 | 57 | 25·32 | |
| Murshidabad | 16. Berhampore ... ... | 24,507 | 87 | 42·72 | 1 | ·48 | 2 | ·96 | .. | ... | 42 | 20·64 | ... | ... | .. | ... | 1 | ·48 | 24 | 11·76 | 70 | 34·32 | 61 | 33·84 | |
| Patna ... | 17. Patna City ... ... | 123,004 | 243 | 23·92 | 11 | ·96 | 58 | 5·64 | 1 | ·09 | 161 | 15·60 | 16 | 1·44 | 15 | 1·44 | 12 | 1·08 | 100 | 9·72 | 374 | 36·36 | 519 | 50·52 | |
| | 18. Bihar ... .. | 45,763 | 75 | 19·92 | 4 | ·96 | 6 | 7·2 | ... | ... | 26 | 6·84 | 7 | 1·80 | 3 | ·72 | 4 | ·96 | 19 | 5·04 | 106 | 17·52 | 104 | 27·60 | |
| | 19. Dinapore Nizamut .. | 33,892 | 30 | 13·80 | 2 | ·60 | 3 | ·96 | ... | ... | 21 | 6·72 | 2 | ·60 | 6 | 2·04 | 1 | ·24 | 5 | 1·68 | 41 | 14·16 | 49 | 17·40 | |
| Gaya ... | 20. Gaya ... . | 71,416 | 156 | 26·88 | 23 | 3·84 | 7 | 1·08 | .. | ... | 108 | 18·12 | 27 | 4·44 | 14 | 2·28 | 10 | 1·68 | 49 | 8·16 | 238 | 39·96 | 229 | 43·44 | |
| Shahabad .. | 21. Arrah ... ... | .. | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Return not yet received. |
| | 22. Sasaram ... ... | .. | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Saran ... | 23. Chapra ... ... | 47,[illegible]1 | 116 | 30·24 | ... | ... | ... | ... | ... | ... | 57 | 9·60 | 5 | 1·20 | 2 | ·48 | 7 | 1·80 | 52 | 13·56 | 103 | 26·88 | 174 | 45·48 | |
| Champaran ... | 24. Bettiah .. .. | 24,[illegible]6 | 51 | 24·72 | ... | .. | 2 | ·96 | ... | ... | 13 | 6·72 | 2 | ·96 | 2 | ·96 | 1 | ·48 | 8 | 3·84 | 29 | 14·04 | 74 | 35·88 | |
| Muzaffarpur | 25. Muzaffarpur ... ... | 45,617 | 100 | 26·36 | ... | ... | 4 | ·96 | ... | ... | 73 | 16·56 | 11 | 2·52 | 6 | 1·56 | 8 | 2·04 | 37 | 12·36 | 158 | 36·24 | 175 | 40·80 | |
| | 26. Hajipur ... ... | 21,[illegible]8 | 67 | 34·20 | ... | . | . | ... | . | ... | 23 | 12·84 | 2 | 1·08 | .. | .. | 1 | ·48 | 26 | 14·52 | 52 | 29·16 | 12 | 6·6·68 | |
| Darbhanga ... | 27. Darbhanga ... ... | 60,244 | 95 | 41·28 | ... | ... | 12 | 2·16 | ... | . | 74 | 15·32 | 18 | 3·24 | . | . | 1 | ·12 | 111 | 23·14 | 240 | 43·32 | 227 | 41·04 | |
| Monghyr ... | 28. Monghyr ... ... | 37,880 | 115 | 42·72 | . | 1·56 | 7 | 2·28 | 7 | 2·28 | 58 | 15·96 | 7 | 2·28 | . | ... | 3 | ·96 | 6 | 20·40 | 158 | 46·08 | 139 | 39·72 | |
| Bhagalpur ... | 29. Bhagalpur ... ... | 75,700 | 110 | 18·84 | 3 | 3·52 | 17 | 1·80 | ... | .. | 62 | 9·72 | 11 | 1·68 | . | ... | 3 | ·36 | 20 | 3·00 | 115 | 22·44 | 172 | 27·24 | |
| Cuttack ... | 30. Cuttack ... .. | 51,904 | 73 | 17·04 | 1 | ·12 | 1 | ·12 | . | .. | 20 | 4·56 | 9 | 2·04 | 4 | ·84 | 1 | ·12 | 24 | 5·52 | 60 | 13·92 | 97 | 22·56 | |
| Balasore ... | 31. Balasore ... .. | 25,[illegible] | 34 | 19·44 | .. | ... | . | ... | ... | ... | 9 | 1·68 | 1 | ·48 | .. | .. | ... | . | 5 | 2·76 | 9 | 5·16 | 26 | 14·88 | |
| Puri ... | 32. Puri ... .. | 43,234 | 39 | 9·48 | 6 | 1·44 | 5 | 1·20 | ... | ... | 34 | 8·16 | 11 | 2·64 | 2 | ·48 | . | 1·44 | 24 | 5·88 | 88 | 21·36 | 82 | 19·92 | |
| Ranchi .. | 33. Ranchi ... ... | 28,5[illegible] | 8 | 34·96 | 1 | ·48 | 5 | 2·40 | 1 | ·48 | 13 | 6·48 | 1 | ·48 | 1 | ·48 | 2 | ·96 | 6 | 3·00 | 50 | 15·12 | 42 | 21·12 | |
| Total of all towns with a population of 20,000 and over ... | | 2,151,[illegible] | 4,[illegible]8 | 24·00 | 77[illegible] | 3·12 | 72[illegible] | 2·88 | 6[illegible] | 3·60 | 1,537 | 8·52 | 388 | 2·16 | 473 | 2·52 | 1,7[illegible] | ·60 | 1,72[illegible] | 9·60 | 6,[illegible]69 | 35·48 | 6,24[illegible] | 34·80 | |
| Average of corresponding month of previous five years ... ... | | . | 5,[illegible]76 | 19·32 | 640 | 3·48 | 266 | 1·44 | 1,[illegible]67 | 5·88 | 1,524 | 8·40 | 47[illegible] | 2·64 | 5[illegible]2 | 2·16 | 117 | ·60 | 1,70[illegible] | 9·84 | 6,240 | 34·80 | . | ... | |
| Difference + or − | | ... .. | [illegible]·[illegible]2 | +4·68 | −71 | −·36 | +2[illegible] | +1·41 | −[illegible] | −2·28 | +13 | +·12 | −91 | −·48 | +81 | +·36 | −1[illegible] | E[illegible] | −42 | −·24 | −210 | −1·32 | .. | . | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.

*The 17th July 1909*

F. C CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th July 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | In ches. | ° | ° | ° | ° | ° | In ch. | | | | | Inches. | |
| July | 18th | 138·4 | 2·5 | 29·547 | 82·7 | 87·7 | 8·7 | 79·0 | 77·5 | 0·876 | 75·2 | 78 | SW by W and SW | 220 | 0·11 | Chiefly cloudy, o. |
| ,, | 19th | 146·4 | 1·6 | ·579 | 81·9 | 87·5 | 9·3 | 78·2 | 77·8 | ·901 | 76·1 | 83 | SW by W, WSW and W by N. | 102 | Nil | Chiefly cloudy, o, d. |
| ,, | 20th | 141·5 | 0·9 | ·5·8 | 82·5 | 87·2 | 8·5 | 78·7 | 79·3 | ·962 | 78·1 | 87 | W by N and SW by W. | 126 | 0·13 | Chiefly cloudy, o, p. |
| ,, | 21st | 133·4 | 0·0 | ·605 | 81·5 | 86·4 | 7·2 | 79·2 | 78·2 | ·921 | 76·7 | 86 | SW by W, WSW and NNW. | 143 | 0·27 | Cloudy, o, d. p. |
| ,, | 22nd | 149·4 | 0·7 | ·625 | 80·4 | 86·6 | 10·2 | 76·4 | 77·9 | ·924 | 76·8 | 89 | N by W and WSW. | 98 | 1·20 | Chiefly cloudy, o, d, p. |
| ,, | 23rd | 145·5 | 6·2 | ·574 | 82·0 | 89·9 | 12·5 | 77·4 | 78·7 | ·939 | 77·3 | 86 | SW by W, ENE and variable. | 76 | 0·22 | Partially cloudy, o, g, t |
| ,, | 24th | 144·3 | 5·2 | ·501 | 81·8 | 88·4 | 9·9 | 78·5 | 78·2 | ·917 | 76·6 | 84 | E and ESE ... | 213 | 0·29 | Partially cloudy, o, p, d, t. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·571 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·515 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 17·1 |
| The maximum possible number of hours of sunshine ... ... ... | 93·0 |
| | ° |
| The mean temperature of the seven days ... ... ... | 81·8 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·4 |
| The extreme variation of temperature ... ... ... ... | 13·5 |
| The maximum temperature ... ... ... ... ... | 89·9 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 19 |
| | % |
| The mean relative humidity ... ... ... ... ... | 85 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| The total fall of rain from 18th to 24th July 1909 ... ... ... | 2·22 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·68 |
| The total fall from 1st January to 24th July 1909 ... ... ... | 42·02 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 30·90 |

The mean pressure, temperature, etc., are deduced from the traces of the Barograph and Thermograph and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; d, drizzling rain; p, passing temporary showers; t, thunder.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 26th July 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of April 1909, as compared with the same month of the previous year.*

| No. | STAPLES. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | EXPLANATIONS OF FLUCTUATIONS BY TRAFFIC SUPERINTENDENT. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 35 | 38 | ..... | 3 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 60,968 | 66,054 | ..... | 5,086 | |
| 3 | Cotton— | | | | | |
| | (1) Raw ... ... ... ... ... .. | 243 | 186 | 57 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European ... .. | 75 | 72 | 3 | ..... | |
| | (b) Ditto, Indian ... .. | 517 | 475 | 42 | ... | |
| | (c) Piece-goods, European ... .. | 1,936 | 2,273 | ... | 337 | |
| | (d) Ditto, Indian ... .. | 440 | 604 | .. | 164 | |
| | (e) Others ... ... ... ... .. | ..... | ..... | ..... | ... | |
| 4 | Chemicals, excepting saltpetre ... .. | 217 | 207 | 10 | .. | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium ... .. | 16 | 12 | 4 | .. | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations ... .. | 8 | 11 | .. | 3 | |
| | (b) Others ... ... ... ... ... | 19 | 59 | ..... | 40 | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) ... ... .. | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes ... ... | ..... | ..... | ..... | ..... | |
| | (3) Cutch ... ... ... ... ... ... | 16 | 104 | ..... | 88 | |
| | (4) Indigo ... ... ... .. ... .. | 5 | ..... | 5 | ..... | |
| | (5) Myrabolams ... ... ... ... .. | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks ... ... ... .. | ..... | ... | ..... | ..... | |
| | (7) Turmeric ... ... ... ... .. | 625 | 702 | ..... | 77 | |
| | (8) Others ... ... ... ... .. | 6 | 31 | ..... | 25 | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake ... ... ... ... ... .. | 1,368 | 1,364 | 4 | ..... | |
| | (2) Hay, straw and grass ... ... ... | 1,327 | 3,540 | . | 2,213 | |
| 8 | Fruits and vegetables, fresh ... ... | 3,158 | 1,960 | 1,198 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse ... ... ... .. | 10,459 | 9,768 | 691 | . | |
| | (2) Jawar and bajra ... ... ... ... | ..... | ..... | ..... | .. | |
| | (3) Rice in the husk ... ... ... .. | 18,428 | 13,755 | 4,693 | . | |
| | (4) Do. not in the husk ... ... ... | 21,114 | 11,234 | 9,880 | ..... | |
| | (5) Wheat ... ... ... ... ... .. | 774 | 229 | 545 | .. | |
| | (6) Do. flour ... ... ... ... ... | 1,639 | 1,683 | ..... | 44 | |
| | (7) Others ... ... ... ... ... .. | 3,054 | 3,058 | 6 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ... | ..... | ..... | |
| | (b) Raw .. ... ... .. | 828 | 725 | 103 | ..... | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ..... | ..... | ... | |
| | (b) Raw ... ... ... ... .. | 104 | 83 | 21 | ..... | |
| 11 | Horns ... .. ... ... ... .. | 9 | 11 | ..... | 2 | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 2,150 | 225 | 1,925 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw ... ... ... ... ... .. | 14,095 | 60,994 | . . | 46,899 | |
| | (2) Gunny-bags and cloth ... .. ... | 2,161 | 2,672 | ..... | 511 | |
| 14 | Lac ... ... ... ... ... ... ... | 105 | 183 | ..... | 78 | |
| 15 | Leather— | | | | | |
| | (1) Unwrought ... ... ... ... ... | 2 | 1 | 1 | | |
| | (2) Wrought, excepting boots and shoes .. | ..... | ..... | .. .. | .... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer ... ... ... ... | 23 | 45 | .. | 22 | |
| | (2) Spirits of all kinds, including country spirit. | | | | | |
| | (3) Wine ... ... ... ... ... ... | 137 | 105 | 32 | ... | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | | | | | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought ... ... ... .. | 31 | 42 | ..... | 11 | |
| | (2) Do., manufactured ... ... .. | 139 | 236 | .... | 97 | |
| | (3) Copper, unwrought .. .. ... .. | 1 | ... | 1 | ..... | |
| | (4) Do., manufactured ... ... ... | 20 | 14 | 6 | ..... | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought ... ... ... ... | 34 | .. | 34 | ..... | |
| | (b) Wrought ... ... ... ... | ..... | ..... | . ... | .... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 3,308 | 3,259 | ..... | 551 | |
| | (ii) Machinery and mill works ... | 699 | 237 | 462 | ..... | |
| | (iii) Other manufactured, including hardware and cutlery. | 742 | 1,816 | ..... | 1,074 | |
| | (6) Metallic ores ... ... ... .. ... | ..... | ..... | ..... | ..... | |
| | (7) Others ... . ... ... ... ... | 2,263 | 1,085 | 1,178 | ... . | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone ... ... ... .. | 2,259 | 4,606 | .... . | 2,347 | |
| | (2) Chalk . ... ... ... ... ... | | | | | |
| | (3) Lime ... ... ... ... ... ... | 2,050 | 3,059 | ..... | 1,009 | |
| | (4) Others ... ... ... ... ... ... | | | | | |
| 19 | Oils— | | | | | |
| | (1) Kerosine ... ... ... ... ... | 11,311 | 12,768 | ..... | 1,457 | |
| | (2) Castor ... ... ... ... ... | 5 | 11 | .. | 6 | |
| | (3) Cocoanut ... ... ... ... ... | 176 | 182 | ..... | 6 | |
| | (4) Mustard and rape ... ... ... | 637 | 837 | ..... | 200 | |
| | (5) Others ... ... ... ... ... | 211 | 149 | 62 | ... . | |

| No. | Staples | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| | Oilseeds— | | | | | |
| | (1) Castor | 115 | 18 | 97 | .... | |
| | (2) Earthnuts | ..... | ..... | ..... | ..... | |
| | (3) Linseed | 2,108 | 1,472 | 636 | ..... | |
| | (4) Poppy | .. | .. | ..... | ..... | |
| | (5) Rape and mustard | 5,681 | 9,699 | ..... | 4,018 | |
| | (6) Til or jinjili | 32 | 27 | 5 | ..... | |
| | (7) Others | 347 | 164 | 183 | ..... | |
| 21 | Opium | 4 | 1 | 3 | ..... | |
| 22 | Paper and pasteboard | 833 | 1,114 | ..... | 281 | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts | 3 | 5 | | 2 | |
| | (2) Ghee | 72 | 61 | 11 | ..... | |
| | (3) Others | 1,228 | 1,213 | 15 | ..... | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | 244 | ..... | 244 | ..... | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates | 1,061 | 26 | 1,035 | ..... | |
| | (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | |
| | (c) Others | ..... | 844 | ..... | 844 | |
| 25 | Salt | 10,269 | 11,532 | ..... | 1,263 | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre | 6 | 8 | | 2 | |
| | (2) Other saline substances | 210 | 433 | ..... | 223 | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | 36 | 45 | ..... | 9 | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts | 1,171 | 1,790 | ..... | 619 | |
| | (2) Cardamoms | 54 | 27 | 27 | | |
| | (3) Chillies | 780 | 913 | ..... | 133 | |
| | (4) Ginger | 190 | 155 | 35 | ..... | |
| | (5) Pepper | 50 | 68 | ..... | 18 | |
| | (6) Others | 651 | 310 | 341 | | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallized, including sugar-candy. | 1,527 | 1,708 | ..... | 181 | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar | 1,312 | 2,042 | | 730 | |
| | (b) Gur, *rab*, jaggery, molasses, and other saccharine produce. | 2,709 | 2,042 | 667 | | |
| 30 | Tea— | | | | | |
| | (1) Foreign | ..... | ..... | ..... | ..... | |
| | (2) Indian | 45 | 105 | ..... | 60 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured | 4,511 | 4,445 | 69 | .. | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars | ..... | ..... | ..... | | |
| | (b) Other sorts | 72 | 85 | ..... | 13 | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought | 5,743 | 7,736 | ..... | 1,993 | |
| | (2) Manufactured | 315 | 564 | ..... | 249 | |
| 33 | Wool— | | | | | |
| | (1) Raw | 340 | 231 | 109 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs<br>(b) Piece-goods, European<br>(c) Ditto, Indian<br>(d) Other sorts of manufactures | 17 | 60 | ..... | 4 | |
| 34 | All other articles of merchandise | 6,958 | 11,283 | .. | 4,325 | |
| | Total | 218,654 | 271,570 | 24,440 | 77,356 | |

CALCUTTA, *the 17th July 1909.*

T. C. FISHER,
for *Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for the first 10 days of July 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 798,968 | 6,33,303 0 0 | 88,76,828 0 | *14,22,529 0 0 | 67,395 0 0 | 21,23,227 0 0 | 227,290 | 262,488 | 489,778 |
| Or per mile of railway ... | ..... | 276 4 3 | ..... | 620 8 9 | 29 6 5 | 926 3 5 | ..... | ..... | ..... |
| For previous weeks of half-year... | .. | .. | . | ... .. | ..... | ..... | ... | ... | ... |
| Total for 1¾ weeks ... | 798,968 | 6,33,303 0 0 | 89,76,828 0 | 14,22,529 0 0 | 67,395 0 0 | 21,23,227 0 0 | 227,290 | 262,488 | 489,778 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 11 days of previous year. | 906,860 | 7,04,625 5 5 | 1,08,88,320 0 | 16,67,408 2 6 | 55,758 12 8 | 24,27,792 4 7 | 249,897 | 347,657 | 597,554 |
| Per mile of railway corresponding period of previous year. | ..... | 307 6 1 | ..... | 727 5 11 | 24 5 2 | 1,059 1 2 | ..... | ..... | ..... |
| Total for corresponding 1¾ weeks of previous year. | 906,860 | 7,04,625 5 5 | 1,08,88,320 0 | 16,67,408 2 6 | 55,758 12 8 | 24,27,792 4 7 | 249,897 | 347,657 | 597,554 |

* Decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,33,303 | 88,76,828 | 14,22,529 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·37 | First 11 days of July ... | No. of passengers. 906,860 | Rs. 7,04,625 | Mds. 1,08,88,320 | Rs. 16,67,408 | Rs. 55,759 | Rs. 24,27,792 | Rs. 1,059 | No. 597,554 | Rate. Rs. A. P. 4 1 0 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for the first 10 days of July 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 39,186 | 9,346 0 0 | 14,902 0 | 647 0 0 | 14 0 0 | 10,007 0 0 | 1,912 | 200 | 2,112 |
| Or per mile of railway ... ... | ... | 420 12 10 | ... | 29 2 1 | 0 10 1 | 450 9 0 | ... | ... | ... |
| For previous weeks of half-year | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total for 1¾ weeks ... | 39,186 | 9,346 0 0 | 14,902 0 | 647 0 0 | 14 0 0 | 10,007 0 0 | 1,912 | 200 | 2,112 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 11 days of previous year ... ... ... | 49,655 | 11,690 13 5 | 27,437 20 | 592 6 0 | 11 9 9 | 12,294 13 2 | 2,178 | 242 | 2,240 |
| Per mile of railway corresponding period of previous year ... ... | ... | 526 6 0 | ... | 26 10 9 | 0 8 4 | 553 9 1 | ... | ... | ... |
| Total for corresponding 1¾ weeks of previous year ... ... ... | 49,655 | 11,690 13 5 | 27,437 20 | 592 6 0 | 11 9 9 | 12,294 13 2 | 2,17 | 242 | 2,420 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 222·21 | First 10 days of July .. | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,037 | 450 | 2,112 | 4 11 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | No. of passengers. 19,655 | Rs 11,601 | Mds. 27,438 | Rs. 592 | Rs. 12 | Rs. 12 205 | Rs. 551 | No. 12,420 | Rate Rs. A. P. 5 1 3 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the first 10 days of July 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... ... | 40,127 | 33,656 0 0 | 1,58,737 0 | 13,444 0 0 | 200 0 0 | 47,300 0 0 | 11,734 | 4,592 | 16,326 |
| Or per mile of railway ... ... | ..... | 207 4 8 | ..... | 82 12 10 | 1 3 9 | 291 5 3 | ..... | ..... | ..... |
| For previous weeks of half-year | ... | ... | ... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total for 1½ weeks ... | 40,127 | 33,656 0 0 | 1,58,737 0 | 13,444 0 0 | 200 0 0 | 47,300 0 0 | 11,734 | 4,592 | 16,326 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding 11 days of previous year. | 19,788 | 33,292 2 11 | 3,42,317 0 | 22,537 9 6 | 75 10 6 | 55,905 6 11 | 18,061 | 7,558 | 25,619 |
| Per mile of railway corresponding period of previous year. | ..... | 205 0 10 | ..... | 138 12 11 | 0 7 6 | 344 5 3 | ..... | ..... | ..... |
| Total for corresponding 1½ weeks of previous year. | 19,788 | 33,292 2 11 | 3,42,317 0 | 22,537 9 6 | 75 10 6 | 55,905 6 11 | 18,061 | 7,558 | 25,619 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July .. | 40,127 | 33,656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July . | No. of passengers. 19,788 | Rs. 33,292 | Mds. 3,42,317 | Rs. 22,538 | Rs. 75 | Rs. 55,905 | Rs. 344 | No. 25,619 | Rate. Rs. A. P. 2 2 11 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the first 10 days of July 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the 10 days ... | 85,500 | 59,000 0 0 | 449,000 0 | 63,000 0 0 | 5,000 0 0 | 1,27,000 0 0 | 20,963 | 27,394 | 48,357 |
| Or per mile of railway ... | 111·33 | 76·82 | 582·30 | 81·71 | 6·49 | 165·02 | 27·30 | 35·53 | 62·83 |
| For previous weeks of half-year ... ... ... ... | ..... | .. . | ..... | ... .. | ..... | ..... | ..... | | . . |
| Total for 10 days ... | 85,500 | 59,000 0 0 | 449,000 0 | 63,000 0 0 | 5,000 0 0 | 1,27,000 0 0 | 20,963 | 27,394 | 48,357 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding 11 days of previous year ... ... | 83,558 | 49,960 0 0 | 367,493 0 | 61,822 0 0 | 6,768 0 0 | 1,18,550 0 0 | 26,036 | 27,392 | 53,428 |
| Per mile of railway corresponding week of previous year ... | 108·80 | 65·05 | 476·64 | 80·15 | 8·78 | 154·02 | 33 90 | 35·53 | 69·43 |
| Total to corresponding date of previous year ... ... ... | 83,558 | 49,960 0 0 | 367,493 0 | 61,822 0 0 | 6,768 0 0 | 1,18,550 0 0 | 26,036 | 27,392 | 53,428 |

Financial Year.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for first 10 days of July 1909. | | | Receipts for first 11 days of July 1908. | | | Total receipts from 1st April 1909 to 10th July 1909. | | | Total receipts from 1st April 1908 to 11th July 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,27,000 | 165 02 | 771 | 1,18,550 | 154·02 | 771 | 12,76,738 | ... | 771 | 12,20,569 | ... | 56,169 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for the first 10 days of July 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. (b) | Rs. | Rs. (a) | | | |
| Total traffic for the period (10 days) on 1,870 miles open .. | 499,030 | 1,81,070 | 1,433,530 | 1,76,200 | 34,100 | 3,91,370 | 84,599 | (c)57,383 | 141,982 |
| Or per mile of railway | 266 86 | 96·83 | 766·59 | 94 22 | 18·24 | 209·29 | ..... | ..... | ..... |
| For previous nil weeks of half-year ... ... | ..... | ..... | ..... | ..... | ..... | ..... | . .... | .. | ..... |
| Total for 1¾ weeks .. | 499,030 | 1,81,070 | 1,433,530 | 1,76,200 | 34,100 | 3,91,370 | 84,599 | 57,383 | 141,982 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding period (11 days) of previous year on 1,791 miles open ... .. ... | 517,842 | 2,02,676 | 1,837,495 | 2,08,695 | 43,619 | 4,54,990 | 91,875 | (d)65,894 | 157,769 |
| Per mile of corresponding period of previous year ... . | 289·13 | 113 16 | 1,025·96 | 116·52 | 24·36 | 254·04 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 517,842 | 2,02,676 | 1,837,495 | 2,08,695 | 43,619 | 4,54,990 | 91,875 | 65,894 | 157,769 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·14 | | 3·07 | ·24 | 2·76 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 2 21 | | 3·17 | ·28 | 2·88 | | | |

(a) One day's earnings less this year than in the corresponding period of last year.
(b) General decrease chiefly under local; foreign inward had longer load.
(c) Includes 9,719 miles of ballast trains. (d) Includes 6,758 miles of ballast trains.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the week ending 17th July 1909 ... | Coaching ... | 6,505 | 0 | 0 | 17,231 | 0 | 0 |
| | Goods ... | 10,685 | 0 | 0 | | | |
| | Other earnings ... | 41 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 5,026 | 0 | 0 | 12,426 | 0 | 0 |
| | Goods ... | 7,366 | 0 | 0 | | | |
| | Other earnings ... | 34 | 0 | 0 | | | |
| | Increase | | | | 4,805 | 0 | 0 |
| Receipts per mile for the week ending 17th July 1909 ... | | | | | 337 | 13 | 10 |
| Ditto for the corresponding period of 1908 ... | | | | | 243 | 10 | 4 |
| | Increase | | | | 94 | 3 | 6 |
| Receipts from 1st July to 17th July 1909 ... | | | | | 39,993 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | | | | | 38,312 | 0 | 0 |
| | Increase | | | | 1,681 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 28th July 1909.

REGISTERED No. C 209.]

No. 31 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, AUGUST 4, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Participation of students and schoolboys in political agitation | 1097 |
| Annual Report on the Government Cinchona Plantation and Factory in Bengal for the year 1908-09 | 1098—1100 |
| Return of Joint-Stock Companies for the year 1908-09 | 1101—1119 |
| Report on the Administration of the Salt Department in Bengal during the year 1908-09 | 1120—1125 |
| Report on the working of the Government steam trawler *Golden Crown* for the quarter ending 30th June 1909 | 1126—1127 |
| Weather and Crop Report for the week ending the 2nd August 1909 | 1128—1133 |
| Abstract statement showing Tolliage on Canals in Bengal classed as Major and Minor Works for the month of June 1909 | 1134—1135 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 31st July 1909 | 1136 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 25th to 31st July 1909 | 1137 |
| Railway Returns | 1138—1143 |

## PARTICIPATION OF STUDENTS AND SCHOOLBOYS IN POLITICAL AGITATION.

POLITICAL DEPARTMENT—POLITICAL.

*Dated Calcutta, the 31st July*

RESOLUTION—No. 2493P.

IN view of the announcement of political meetings to be held in connection with the forthcoming celebration of the anniversary of the Boycott, His Honour the Lieutenant-Governor considers it opportune to invite the special attention of the Heads of Colleges and Schools, and of all parents and guardians, to the inexpediency of permitting students and schoolboys to take part in such gatherings. In Sir E. Baker's opinion it is most undesirable that immature minds should be subjected to the excitement and disturbance which are inseparable from political agitation, and he believes that this view is shared by all right thinking men. His Honour trusts, therefore, that all who are responsible for the education and behaviour of students and schoolboys will use their influence to induce them to abstain from taking part in, or from being present at, any form of political demonstration.

By order of the Lieutenant-Governor of Bengal,

C. G. H. ALLEN,

*Offg. Chief Secy. to the Govt. of Bengal.*

## ANNUAL REPORT ON THE GOVERNMENT CINCHONA PLANTATION AND FACTORY IN BENGAL FOR THE YEAR 1908-09.

### NOTIFICATION.

*No. 1190 Medl.—The 30th July 1909.*—The following extracts (paragraphs 1 to 12) from the Annual Report on the Government Cinchona Plantation and Factory in Bengal for the year 1908-09 are published for general information.

H. WHEELER,
*Secy. to the Govt. of Bengal.*

## FORTY-SEVENTH ANNUAL REPORT OF THE GOVERNMENT CINCHONA PLANTATION AND FACTORY IN BENGAL FOR THE YEAR 1908-09.

*Weather and General.*—The latter half of the year was marked by unusual drought at Mungpoo, which reacted badly on the old plantation there, only 1·13 inches of rain falling between the 4th October 1908 and the end of the financial year. The total rainfall at Mungpoo was 98·23 inches spread over 148 days, against an average rainfall of 123 inches. At Munsong the rainfall was 84·92 inches, against an average of 88 inches, and the rainfall was distributed over 160 days. The heaviest rainfall at Mungpoo was 8·42 inches in one day, at Munsong 2·71 inches in one day. It will be seen that at Munsong the rainfall was much nearer the average than at Mungpoo, and more evenly distributed.

2. *Plantation and Crop.*—Extensions have now ceased on the Mungpoo Plantation for reasons that have already been explained to Government and that scarcely call for repetition here. At Munsong 52·41 acres—about the usual annual amount of extensions hitherto on that plantation—were planted up with selected *Cinchona Ledgeriana* trees. The average annual extensions for both plantations taken together for the last eight years is 158 acres. As extensions have ceased on Mungpoo Plantation, it would now seem advisable to increase the annual extensions on Munsong to about 100 acres. This would still be over 50 acres below the past average for both plantations, but as the general instructions of Government are that the extensions at Munsong are not to proceed very rapidly, probably about 100 acres per annum would be enough. In Mungpoo cultivation has been maintained just enough to meet the requirements of a rapidly declining plantation. At Munsong the plantation has been kept in a good state of cultivation throughout, and a good deal of heavy pioneer work, such as road-making, etc., as a necessary preliminary to the contemplated extensions beyond the boundaries of the present Munsong Division, has been accomplished. Although the insect blight *Helopeltis* has appeared at Munsong and spread to some extent, the damage caused by it has been but trivial.

The cuttings of *No. 2 Hybrid*, which were transferred from Mungpoo to Munsong last year, naturally suffered from their uprooting and replanting after a journey of 28 miles, so that their number remains practically as in last year's report. They are now, however, producing cuttings plentifully.

Cinchona plants of all sorts standing on the permanent plantations on the 31st March 1909 numbered 2,958,704. Of this, 2,299,483 were *Cinchona Ledgeriana*, fairly evenly divided between Mungpoo and Munsong; the former, however, having some 40,000 more trees than the latter. *Hybrid No. 1* amounted to 321,514—all on the Mungpoo Plantation; *Hybrid No. 2*, to 90,689, most of which were on the Mungpoo Plantation. *Cinchona succirubra* numbered 247,018, again mostly on the Mungpoo Plantation.

The decrease in the number of trees on the two plantations taken together since last year amounts to 512,512 plants. With the old plantation at Mungpoo rapidly failing, with the entire cessation of replanting thereon, and with extensions at Munsong restricted, this decrease is inevitable and will go on probably for several years until the extensions at Munsong gradually make up leeway. The total quantity of bark harvested from both plantations amounted to 451,768 lbs. Of this, 403,996 lbs. were *Ledger* bark, 227,793 lbs.

being taken off Mungpoo and 176,203 off Munsong. The remainder, 47,772 lbs., were from *Cinchona succirubra* and *Hybrids No. 1* and *No. 2*—almost all from Mungpoo. The quantity of bark harvested was 6,130 lbs. in excess of last year's amount. The amounts harvested for some years to come are likely to show a considerable decrease, owing to the declining condition of Mungpoo and to the fact that 'thinning' has been practically completed at Munsong, so that little or no more bark will be available from the latter plantation until it appears advisable to harvest the first year's planting there. When that will be depends upon the future condition of the Cinchona market and the state of the plantation, but, *ceteris paribus*, it would seem advisable to keep the trees in the ground as long as they continue to show a reasonable increase in size and continue healthy, so that the plantation should form a living reserve on the ground supplementary to the actual Quinine reserve—now in active formation—in the store-rooms.

3. *Factory and Outturn.*—The total quantity of bark put through the Factory was 938,800 lbs. Of this, 739,025 lbs. were of *Ledger* bark harvested from the plantation, 91,700 lbs of purchased *Java Ledger*, and the remainder, 108,075 lbs. of *Hybrid* and *succirubra* bark off the plantation. When the extensions of the Factory were completed in 1906 it was estimated that it would be possible to manufacture up to 30,000 lbs. of Quinine annually. During the year, however, actually 36,619 lbs. 5½ oz. of Quinine Sulphate and 7,281 lbs. 12 oz. of Cinchona Febrifuge were manufactured, while 285 lbs. 8 oz. of Amorphous (Residual) Alkaloid were collected, the total output for the year being 43,901 lbs. 1½ oz. As far as the Quinine Sulphate is concerned, the increase over last year's outturn is 9,055 lbs. 5½ oz , while the total output of all products is 12,967 lbs. 1½ oz. in excess of last year's total. The output of Quinine has been practically trebled since 1904. The Java bark yielded 6·71 per cent., the plantation bark 3·59 per cent. of Quinine Sulphate. The latter shows a considerable and encouraging rise—23 per cent.—on last year's percentage of 2·9.

In addition to the analytical work in connection with the chemical control of the Factory working and experiments for still further improvements in Factory methods, the Quinologist and Assistant Quinologist devoted some time to the production of Quinine Sulphate in tablet form. The results were quite satisfactory, and, if required to do so, the Factory could turn out tablets in any required quantity with the necessary additional machinery. Entirely new arrangements have been made for the re-crystallisation of Quinine Sulphate, and a new Quinine drying-room has been built with the necessary machinery for maintaining a constant supply of dry air.

4. *General charges.*—The charges against the Department as a whole, amount to Rs. 19,543-8-9 as against Rs. 21,834-8-6 charged last year.

5. *Plantation charges.*—The total charges against both plantations amount to Rs. 94,006-7-11, being Rs. 3,291-6-8 in excess of last year's expenditure. Against the total charges for both plantations is the bark harvested—451,768 lbs., valued at Rs. 67,336-3-1, the valuation being based upon the average market rates for similar quality of different species of bark.

6. *Factory charges.*—The total factory charges were Rs. 1,47,203-11-2. Of this sum, Rs. 99,952-14-11 were spent on the manufacture of Quinine, and Rs. 18,204-6 in making Cinchona Febrifuge, and Rs. 47,250-12-3 on the purchase of bark. The value of the 938,800 lbs. of bark worked up in the Factory was Rs. 1,61,518-5-7.

7. *Issue of manufactured articles.*—During the year 18,585 lbs. 15½ oz. of Sulphate of Quinine, 136 lbs. 4 oz. of Sulphate of Cinchonidine, 3,408 lbs. 4 oz. of Cinchona Febrifuge, 185 lbs. 8 oz. of Residual Alkaloids, and 740 lbs. of Cinchona bark were sold. The amount of Quinine sold is 1,628 lbs. 9 oz. in excess of last year's sales, and is not far off the quantity (20,000) lbs. that was estimated, when the extensions were sanctioned, that the Factory would be called upon to supply. There has been no great change in the quantities indented for by the various depôts and officers. The only point worth particular mention is the increase from 4,000 lbs. to 5,000 lbs. for Quinine for pice-packets. The coming year is likely to show a much greater increase under this head.

8. *Expenditure and Receipts.*—The total year's expenditure for the Department amounted to Rs. 2,60,753-11-10, being Rs. 19,543-8-9 general charges

Rs. 94,006-7-11 plantation charges, and Rs. 1,47,203-11-2 factory charges. The total budget grant for the year was Rs. 2,67,485-4, so that there was a saving of Rs. 6,731-8-2. The total receipts for the year amounted to Rs. 2,29,698-4. This is an increase of Rs. 6,017-2 on last year's receipt, but is less than the year's expenditure by Rs. 31,055-7-10. The policy of Government to build up a reserve of Quinine can be given effect to only by manufacturing a good deal more Quinine every year than is likely to be sold; so that so long as the reserve is actually in formation, the receipts are bound to be below the actual expenditure. Thus, during the year, while 43,901 lbs. 1½ oz. of Factory products were manufactured, only 22,315 lbs. 15½ oz. were sold. There was, therefore, added to stock, during the year, the difference between the two quantities, consisting of 18,033 lbs. 6 oz. Quinine Sulphate, 3,873 lbs. 8 oz. Cinchona Febrifuge, 100 lbs. Residual Alkaloids. The value of these, calculated at the present average market rate for products of similar purity, amounts to Rs. 2,07,218-5-3. Even if it is assumed as safer that Quinine is likely to go down in value still further than it has, and that Cinchona Febrifuge may also be reduced in the future, and if, in view of this, the Quinine were valued at Rs. 7 per pound and Cinchona Febrifuge at Rs. 5 per pound, the value of the stock, added to the reserve during the past year, would be practically Rs. 1,45,000. The difference between even these lower figures and Rs. 31,055-7-10, the sum by which the actual receipts fell short of the actual expenditure, leaves the Factory with a quite substantial balance in the shape of Quinine over the year's working.

The receipts consisted of Rs. 66,362-12-6 in cash and Rs. 1,63,335-7-6 by book credit. Of the cash sales, Rs. 41,963-7 were for Sulphate of Quinine, Rs. 22,526-10 for Cinchona Febrifuge, Rs. 7[illegible]0 for Residual Alkaloids, Rs. 399-6 for Sulphate of Cinchonidine, Rs. [illegible]82 for Cinchona bark, and Rs. 451-5-6 for miscellaneous items. The outstandings on 31st March 1908 were all recovered.

9. *Stock account.*—On the 31st March 1909 the stock consisted of Sulphate of Quinine, 32,380 lbs. 1½ oz., valued at Rs. 3,19,753-6-9; Cinchona Febrifuge, 5,716 lbs. 8 oz., valued at Rs. 4[illegible]873-12; Residual Alkaloid, 15,052 lbs., valued at Rs. 13,146-14; Sulphate Cinchonidine, 625 lbs. 12 oz., valued at Rs. 6,257-8; Cinchona bark, 45,5[illegible] lbs, valued at Rs. 14,610-13-4·2; oil, 12,705 gallons, at Rs. 9,111 6-3; Chemicals, 165,586 lbs. at Rs. 13,334-7-6; and sundries at Rs. 5,[illegible]24-2-9. The total value calculated on the average market-rate for stock of similar quality is Rs. 4,24,312-6-7·2. It will be seen that the policy of Government to form a reserve of Quinine against emergencies has been steadily pursued, so that, despite the increase in the sale of Quinine during the year, the stock in hand at the end of it is more than double that at the end of last year.

10. *Profit and Loss account.*—The surplus on the year's working—deducting non-recurring charges—is Rs. 1,29,805-1-0·2. This is estimating the value of the Quinine on the same basis that the selling price is fixed. It is not, however, probable that Government would entirely realise the sum mentioned, if all the Quinine and Cinchona Febrifuge at present in the stock were suddenly thrown upon the open market, as the selling price is based rather upon the highest market rate than the average, or even the lowest market rate.

11. *Sale of pice-packets.*—The amount of Quinine issued to the Inspector-General of Prisons for conversion into pice-packets was 5,000 lbs.—an increase of 1,000 lbs. over the preceding year.

12. *Miscellaneous*—(*a*) *Land-rent.*—Revenue from land-rent and grazing fees amounted to Rs. 3,858-7-9, paid into the Darjeeling Treasury, no credit being taken for it to the plantation.

(*b*) *Fuel Plantation.*—A good deal of attention has been given to the re-establishment of a fuel reserve for the future use of the Factory and also to recuperate the old plantation, now no longer fit for replanting with Cinchona. Altogether about 363 acres have been planted up at Mungpoo during the year.

(*c*) *Inspection Bungalow at Munsong.*—During the year the site for this bungalow was levelled and building materials, as far as possible, prepared and collected.

* * * * * * *

## RETURN OF JOINT-STOCK COMPANIES FOR THE YEAR 1908-09.

No. 353, dated Calcutta, the 31st May 1909.

From—NAWAB SYUD MOHOMED, KHAN BAHADUR, Inspector-General of Registration, Bengal,

To—The Secretary to the Government of Bengal, General Department.

I HAVE the honour to forward, in original, the report submitted by the Registrar of Companies, Bengal, on the working of the Indian Companies Act VI of 1882 for the year 1908-09 with the ten tabular statements prescribed by the Government of India.

No. 60, dated Calcutta, the 25th May 1909.

From—MOULVI SYUD ABDUS SALAM, Registrar of Joint-Stock Companies, Bengal.

To—The Inspector-General of Registration, Bengal.

I HAVE the honour to submit my annual report on the working of the Indian Companies Act VI of 1882 in Bengal for the year 1908-1909 together with the ten statistical statements prescribed by the Government of India.

2. At the close of the year under report the number of Companies limited by shares was 530 which worked with an aggregate paid-up capital of Rs. 23,05,52,551 against 512 Companies with an aggregate paid-up capital of Rs. 20,54,65,731 which existed in the preceding year. There was thus an increase of 18 in the number of Companies registered and of Rs. 2,50,86,820 in the paid-up capital during the year. The total number of Companies limited by guarantee which worked during the year was 21 against 15 in the previous year.

3. The 71 new companies limited by shares registered during the year as shown in Statement II are classified as follows :—

| | |
|---|---|
| Banking and Loan ... ... ... ... | 1 |
| Insurance ... ... ... ... ... | 4 |
| Trading ... ... ... ... ... | 32 |
| Mills and Presses ... ... ... ... | 8 |
| Tea and other Planting Companies ... ... ... | 9 |
| Mining ... ... ... ... ... | 12 |
| Land and Building ... ... ... ... | 1 |
| Brewery ... ... ... ... ... | 1 |
| Sugar Manufacturing Companies ... ... ... | 2 |
| Other Company ... ... ... ... | 1 |
| Total ... | 71 |

The number of trading Companies registered are classified thus :—

| | |
|---|---|
| Navigation ... ... ... ... ... | 3 |
| Railways and Tramways ... ... ... | 2 |
| Printing and Publishing ... ... ... | 3 |
| Others ... ... ... ... ... | 24 |
| Total ... | 32 |

The number of mining (coal) companies registered, as will appear from the above classification during the year, was only 12 against 48 Companies registered in the previous year. The decrease in registration is due to the fall in the share market. Owing to the opening of large number of collieries during coal boom, the supply was greater than the demand and speculators ceased to buy shares for small dividend.

4. In the number of Companies registered during the year it is worth noticing that four Insurance Companies and three Navigation Companies are of native enterprise. One Insurance Company, viz, the Pan Indian Insurance Company, Limited, was registered with a nominal capital of Rs. ten crores. One Brewery Company was also registered during the year.

5. The total number of Companies, limited by guarantee registered during the year was seven against five in the preceding year. Of these, two are Native Provident Societies.

6. One hundred and forty-seven Companies increased their capital during the year, of these, five Companies increased their nominal capital, 135 Companies paid-up capital and the remaining seven Companies increased both their nominal and paid-up capitals. No Company reduced its capital during the year under review.

7. Eighteen Companies went into liquidation, of which one Company was finally dissolved, and 35 Companies became defunct during the year. Five companies which went into liquidation in previous years have submitted their final reports during the year.

8. One Company limited by guarantee became defunct during the year.

9. The following table shows the different kinds of documents registered during the year, *viz.* :—

| | |
|---|---|
| Balance sheets ... ... ... ... | 546 |
| Summary of capital with list of share-holders ... ... | 480 |
| Notice of situation and removal of registered office ... ... | 181 |
| Memorandum and Articles of Association ... ... | 155 |
| Special resolutions ... ... ... ... | 49 |
| Order of Government of Bengal ... ... ... | 1 |
| Miscellaneous ... ... ... ... ... | 88 |
| Papers under Act XXI of 1860 ... ... ... | 127 |
| Total ... | 1,627 |

10. The provisions of section 69 of the Act were complied with everywhere as far as it could be ascertained, except by one Native Provident Society, viz. :—the Swadeshi Assurance and Wedding Company, Limited, in the district of Puri. The District Magistrate has been asked to take necessary action in the matter.

11. The following eight societies were registered under Act XXI of 1860 during the year :—

1. National Medical College of India.
2. Behar National College.
3. The Devalaya.
4. The Refuge.
5. Ramkrishna Society Anath Bhandar.
6. The Calcutta Medical Club.
7. The Church Education League.
8. The Seebpur Ramkrishna Daridra Bhandar.

12. The fees levied during the year amounted to Rs. 26,658-15-0 against Rs. 32,658-2-0 realized in the previous year. The decrease in fees in the year under report was due to the fact that during the past year many Coal Companies were registered with large amount of nominal capital. The following statement shows the fees realized under different headings :—

| | | Rs. | A. | P. |
|---|---|---|---|---|
| Act VI of 1882 ... | New Companies ... ... | 21,040 | 0 | 0 |
| | Special Resolutions ... | 345 | 0 | 0 |
| | Other documents ... ... | 4,604 | 0 | 0 |
| | Searches ... ... | 108 | 0 | 0 |
| | Granting copies ... ... | 154 | 15 | 0 |
| Act XXI of 1860 | New Societies ... ... | 400 | 0 | 0 |
| | Searches ... ... ... | 3 | 0 | 0 |
| | Granting copies ... ... | 4 | 0 | 0 |
| | Total ... | 26,658 | 15 | 0 |

13. The expenditure during the year was Rs. 1,197-14-3, while in the previous year it was Rs. 1,028-11-4. The increase of expenditure being slight.

14. A comparative statement showing the income, expenditure and surplus during the past six years is given below :—

| | Income | | | Expenditure. | | | Surplus. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Rs. | A. | P | Rs. | A. | P. | Rs. | A. | P. |
| 1903-04 ... ... | 8,349 | 0 | 0 | 994 | 15 | 6 | 7,354 | 0 | 6 |
| 1904-05 ... ... | 9,691 | 0 | 0 | 1,112 | 5 | 3 | 8,578 | 10 | 9 |
| 1905-06 ... .. | 15,080 | 12 | 0 | 931 | 1 | 6 | 14,149 | 10 | 6 |
| 1906-07 ... ... | 22,262 | 12 | 0 | 983 | 0 | 0 | 21,279 | 12 | 0 |
| 1907-08 ... ... | 32,658 | 2 | 0 | 1,028 | 11 | 4 | 31,629 | 6 | 8 |
| 1908-09 ... ... | 26,658 | 15 | 0 | 1,197 | 14 | 3 | 25,461 | 0 | 9 |

15. The provisions of the Indian Companies Branch Registers Act IV of 1900 were not availed of by any Company.

STATEMENT No. I.

*Abstract of Joint Stock Companies for the year 1908-09.*

| | Companies divided into shares. | | | Companies limited by guarantee, i.e., possessing no capital paid up. | |
|---|---|---|---|---|---|
| | Number of companies. | Nominal capital. | Paid-up capital. | Number of companies. | Number of members. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Rs. | Rs. | | |
| Working at the close of 1907-08. | 512 | 36,30,64,209 | 20,54,65,731 | 15 | 5,056 |
| Registered during 1908-09 ... | 71 | 13,11,32,000 | 5,20,000 | 7 | 1,127 |
| Capital increased during 1908-09. | 147 | 29,57,500 | 3,02,14,756 | ... | ... |
| Capital decreased during 1908-09. | Nil | Nil | Nil | ... | ... |
| Ceased to work during 1908-09. | 53 | 2,26,93,250 | 56,47,936 | 1 | 20 |
| Working at the close of 1908-09. | 530 | 47,44,60,459 | 23,05,52,551 | 21 | 6,163 |

*The 25th May 1909.*

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companies.*

STATEMENT No. II.

*Joint Stock Companies registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Rs. | Rs. | |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES. | | | | |
| | | (a) *Banking and Loan Companies.* | | | | |
| 1894 | 23rd Dec. 1908 | Birbhum Loan Company, Limited. | Banking and loan business. | 5,00,000 | ... | Labpur, District Birbhum. |
| | | Total ... | ..... | 5,00,000 | . | |
| | | (b)—*Insurance Companies.* | | | | |
| 1860 | 12th Aug. 1908 | Eastern Life Insurance Company, Limited. | Life insurance business. | 10,00,000 | ... | No. A-1, Haro Street, Calcutta. |
| 1864 | 3rd Sept. ,, | Banga Lakshmi Insurance Company, Limited. | Ditto ... | 20,000 | ... | No. 33, Canning Street, Calcutta. |
| 1888 | 10th Dec. ,, | India Equitable Insurance Company, Limited. | Ditto ... | 10,00,000 | ... | No. 98-3, Clive Street, Calcutta. |
| 1897 | 21st Jan. 1909 | Pan-Indian Insurance Company, Limited. | Ditto ... | 10,00,00,000 | ... | No. 7, Clive Row, Calcutta. |
| | | Total ... | ..... | 10,20,20,000 | ... | |
| | | Total of Banking, Loan and Insurance Companies. | ..... | 10,25,20,000 | ... | |

## STATEMENT No. II.

*Joint Stock Companies registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | II.—TRADING COMPANIES. | | Rs. | Rs. | |
| | | *(a)—Navigation.* | | | | |
| 1865 | 10th Sept. 1908 | East Bengal Mahajan Flotilla Company, Limited. | Navigation business. | 15,00,000 | ... | No. 42, Bonomally Sarkar's Street, Calcutta. |
| 1868 | 21st „ „ | Co-operative Navigation, Limited. | Ditto .. | 25,00,000 | ... | No. 14, Hare Street, Calcutta. |
| 1890 | 15th Dec. „ | Bengal Steamship Company, Limited. | Business of carriers by land or water. | 10,00,000 | ... | No. 16, Bonomally Sarkar's Street, Calcutta. |
| | | Total ... | ... .. | 50,00,000 | | |
| | | *(b)—Railways and Tramways.* | | | | |
| 1839 | 8th May 1908 | Cangpore Light Tramway Company, Limited. | Business of tramway and railway proprietors. | 2,00,000 | ... | No. 2, Fairlie Place, Calcutta. |
| 1910 | 17th Mar 1909 | Dehri-Rohtas Tramway Company, Limited. | Constructing tramway between Dehri on-Sone Station and Rohtas. | 5,00,000 | ... | |
| | | Total ... | ... | 7,00,000 | | |
| | | *(c)—Printing, Publishing and Stationery.* | | | | |
| 1845 | 6th June 1908 | The "Asian" Limited ... | Printers and Publishers. | 1,00,000 | ... | Nos. 5 and 6, Government Place, North, Calcutta. |
| 1883 | 19th Nov. „ | Amrita Bazar Patrika, Limited. | Newspaper proprietors, general printers and publishers. | 1,00,000 | ... | No. 2, Ananda Chatterjee's Lane, Calcutta. |
| 1903 | 17th Feb. 1909 | Trail and Company, Limited | Printers, Stationers, Book binders, etc. | 1,60,000 | ... | No. 20, British Indian Street, Calcutta. |
| | | Total ... | ..... | 3,60,000 | ... | |
| | | *(d)—Others.* | | | | |
| 1857 | 1st May 1908 | Coromandel Company, Limited. | Business of ship-owners, ship-brokers, freight contractors, etc. | 3,00,000 | ... | No. 16, Strand Road, Calcutta. |
| 1847 | 17th June „ | Khajura Bandhab Bhandar, Limited. | General traders ... | 1,00,000 | ... | No. 66, Cornwallis Street, Calcutta. |
| 1854 | 8th July „ | Co-operative Syndicate, Limited. | Ditto ... | 1,00,000 | ... | No. 14, Hare Street, Calcutta. |
| 1855 | 14th „ „ | India Trading and Engineering Company, Limited. | Business of Electrical and Mechanical Engineers. | 1,50,000 | ... | No. 1-1, Pollock Street, Calcutta. |
| 1857 | 17th „ „ | Barnagore Dairy Farm Company, Limited. | Keeping of dairy farm. | 5,000 | | |
| 1862 | 27th Aug. „ | Ganesh Company, Limited | General traders and commission agents. | 25,000 | ... | No. 28, Bhuban Banerjee's Lane, Chorebagan, Calcutta. |
| 1867 | 15th Sept. „ | Coalfields Power Syndicate, Limited. | Business of Electric Power and Lighting Company. | 21,00,000 | ... | No. 38, Strand Road, Calcutta. |

STATEMENT No. II—*continued.*

***Joint Stock Companies registered during the year 1908-09*—continued.**

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | II—TRADING COMPANIES—*concluded.* | | Rs. | Rs. | |
| | | (*d*)—*Others*—(concluded.) | | | | |
| 1869 | 22nd Sept. 1908 | W. N. Bhose and Company, Limited. | General merchants and commission agents. | 1,00,000 | ... | |
| 1870 | 23rd „ „ | East India Cigarette Manufacturing Company, Limited. | Business of manufacturers of and dealers in tobacco, cigars, cigarettes, etc. | 5,00,000 | ... | No. 17, Balliaghatta Road, Calcutta. |
| 1873 | 28th „ „ | Co-operative House, Limited | General merchants | 2,000 | ... | No. 50, Sitaram Ghose's Street, Calcutta. |
| 1874 | 6th Oct. „ | Calcutta Company, Limited | Ditto ... | 10,00,000 | ... | |
| 1877 | 21st „ „ | Bengal Industrial Company, Limited. | Ditto ... | 50,000 | ... | No. 10, Hastings Street Calcutta. |
| 1878 | 23rd „ „ | Bengal Sand-Lime Brick Company, Limited. | Business of manufacturing bricks, tiles, etc. | 2,00,000 | ... | No. 3, Garstin's Place, Calcutta. |
| 1884 | 21st Nov. „ | National Company Sundri, Limited. | General traders . | 20,000 | ... | Sewan, P. O. Sewan district Saran. |
| 1886 | 3rd Dec. „ | Howrah Engineering Company, Limited. | Engineers and contractors. | 25,000 | . | No. 26, Benares Road, Sulkea, Howrah. |
| 1889 | 14th „ „ | British Indian Automatic Gas Company, Limited. | Manufacturers and vendors of gas and gas apparatus. | 1,20,000 | .. | |
| 1892 | 17th „ „ | Indian Perfume Company, Limited. | Manufacturers of, and dealers in, essential goods. | 2,00,000 | ... | No. 10, Hastings Street Calcutta. |
| 1898 | 22nd Jan. 1909 | Bengal Boots, Limited ... | Manufacturers of leather goods. | 50,000 | ... | |
| 1899 | 28th „ „ | C. Broomfield and Company, Limited. | General business of hotel-keepers. | 3,15,000 | ... | No. 4, Wellesley Place, Calcutta. |
| 1900 | 3rd Feb. „ | Darbhanga Agrawal Company, Limited. | General traders ... | 30,000 | ... | |
| 1901 | 11th „ „ | Lee and Benson, Limited | Engineers, builders and contractors. | 1,00,000 | ... | Muzafferpore. |
| 1905 | 1st Mar. 1909 | India Automobile Service, Limited. | Business of carrying mails and passengers mainly by automobiles driven by petrol and steam powers. | 6,00,000 | ... | No. 6, Old Post Office Street, Calcutta. |
| 1908 | 13th „ „ | Utkal Tannery Company, Limited. | Business of producing leather and leather goods. | 2,00,000 | ... | |
| 1909 | 16th „ „ | Cook and Company, Limited | Business of livery stable-keepers, importers and sellers of horses, etc. | 4,00,000 | ... | No. 183, Dhurrumtollah Street, Calcutta. |
| | | Total ... | ..... | 66,92,000 | ... | |
| | | Total of Trading Companies | ..... | 1,27,52,000 | ... | |

STATEMENT No. II—*continued.*

*Joint Stock Companies registered during the year 1908-09*—continued.

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | Rs. | Rs. | |
| | | III.—MILLS AND PRESSES. | | | | |
| | | (*a*)—*Cotton Mills.* | | | | |
| 1859 | 3rd Aug. 1908 | Bando Mataram Cotton Mills Company, Limited. | Ginning, spinning and weaving, cotton, wool, silk, etc. | 1,25,000 | ... | No. 7, Goopta's Lane, Calcutta. |
| 1896 | 15th Jan. 1909 | Callian Cotton Mills, Limited | Spinners, weavers and manufacturers of jute, cotton, hemp, etc. | 12,00,000 | ... | |
| 1914 | 31st Mar. „ | Aryan Cotton Mills Company, Limited. | Spinners, weavers and manufacturers of cotton, wool, silk, etc. | 10,00,000 | ... | No. 133, Canning Street, Calcutta. |
| | | Total ... | ..... | 23,25,000 | ... | |
| | | (*b*)—*Jute Mills.* | | | | |
| 1853 | 6th July 1908 | Auckland Jute Company, Limited. | Spinning, weaving and manufacturing jute. | 20,00,000 | ... | Chartered Bank Buildings, Calcutta. |
| 1872 | 28th Sept. „ | Oriental Jute and Cotton Mills Company, Limited. | Business of spinning and manufacturing jute, cotton, etc. | 20,00,000 | ... | No. 7, Swallow Lane, Calcutta. |
| 1891 | 17th Dec. „ | Cawnpore Jute Company, Limited. | Manufacturers and merchants of jute, cotton, etc. | 1,00,000 | ... | |
| 1904 | 20th Feb. 1909 | Chitpore Golabari Company, Limited. | Spinners, weavers and manufacturers of jute, cotton, etc. | 4,00,000 | ... | |
| 1907 | 12th Mar. „ | Anglo-Indian Jute Pressing Company, Limited. | Balers and pressers of jute, cotton, hemp, etc. | 3,00,000 | ... | |
| | | Total ... | ..... | 48,00,000 | ... | |
| | | Total of Mills and Presses | ..... | 71,25,000 | ... | |
| | | IV.—TEA AND OTHER PLANTATION COMPANIES. | | | | |
| | | (*a*)—*Tea.* | | | | |
| 1835 | 24th April 1908 | Roopacherra Tea Company, Limited. | Cultivation and manufacture of tea. | 2,00,000 | ... | No. 12, Mission Row, Calcutta. |
| 1838 | 4th May „ | Terrihannah Company, Limited. | Cultivation and manufacture of tea, coffee, etc. | 2,20,000 | 2,20,000 | Ditto Ditto. |
| 1840 | 16th May „ | Adam Tila Tea Company, Limited. | Cultivation and manufacture of tea. | 2,00,000 | ... | No. 14, Old Court House Street, Calcutta. |
| 1843 | 1st June „ | Alyne Pathemara Tea Company, Limited. | Cultivation and manufacture of tea. | 1,10,000 | ... | No. 14, Old Court House Street, Calcutta. |
| 1849 | 22nd „ „ | Dejoo Valley Company, Limited | Cultivation and manufacture of tea. | 1,20,000 | ... | |

STATEMENT No. II—*continued.*

*Joint Stock Companies registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | IV.—TEA AND OTHER PLANTING COMPANIES—*concluded.* | | Rs. | Rs. | |
| | | (*a*)—*Tea*—concluded. | | | | |
| 1868 | 22nd July 1908 | Oodalcah, Limited ... | Cultivation, manufacture and sale of tea, cinchona, etc. | 2,00,000 | ... | No. 4, Fairlie Place, Calcutta. |
| 1893 | 22nd Dec. „ | Ranicherra Tea Company, Limited. | Cultivators and manufacturers of tea, coffee, etc. | 1,60,000 | ... | No. 12, Mission Row, Calcutta. |
| 1912 | 19th Mar. 1909 | Sonai River Tea Company, Limited. | Cultivation and manufacture of tea, etc. | 8,00,000 | ... | Chartered Bank Buildings, Calcutta. |
| | | Total ... | ..... | 15,10,000 | 2,20,000 | |
| | | (*b*)—*Others.* | | | | |
| 1880 | 12th Nov. 1908 | Bengal Produce Company, Limited. | Cultivation, manufacture and sale of jute, cotton, sugarcane, etc. | 2,00,000 | ... | No. 7, Swallow Lane, Calcutta. |
| | | Total ... | ..... | 2,00,000 | ... | |
| | | Total of Tea and other Planting Companies. | ..... | 17,10,000 | 2,20,000 | |
| | | V.—MINING AND QUARRYING. | | | | |
| | | (*a*)—*Coal.* | | | | |
| 1829 | 1st April 1908 | North Damuda Coal Company, Limited. | Coal business .. | 5,00,000 | ... | No. 20, Strand Road, Calcutta. |
| 1830 | 1st „ „ | Bokaro-Jherriah Coalfields, Limited. | Ditto ... | 8,00,000 | ... | No. 20, Strand Road, Calcutta. |
| 1831 | 4th „ „ | West Tetturiya Collieries, Limited. | Ditto ... | 3,00,000 | 3,00,000 | No. 2, Swallow Lane, Calcutta. |
| 1833 | 16th „ „ | Sitlah Coal Company, Limited. | Ditto ... | 5,00,000 | ... | No. 1, Clive Street, Calcutta. |
| 1834 | 16th „ „ | Badjna Coal Company, Limited. | Ditto ... | 4,00,000 | ... | No. 3, Mission Row, Calcutta. |
| 1836 | 30th „ „ | Dumoriadih Coal Company, Limited. | Ditto ... | 1,00,000 | ... | |
| 1850 | 1st July „ | Lukshmiganj Coal Company, Limited. | Ditto .. | 5,00,000 | .. | No. 8, Hare Street, Calcutta. |
| 1875 | 14th Oct. „ | New Kusunda Coal Company, Limited. | Ditto ... | 1,50,000 | ... | |
| 1876 | 21st „ „ | Industry Coal Company, Limited. | Ditto ... | 2,50,000 | ... | No. 8, Clive Street, Calcutta. |
| 1879 | 10th Nov. „ | Bamanband Coal Company, Limited. | Ditto ... | 1,85,000 | ... | No. 20, Strand Road, Calcutta. |
| 1882 | 19th „ „ | Bamangarah Coal Company, Limited. | Ditto ... | 5,00 000 | ... | |
| 1911 | 17th Mar. 1909 | East Bengal Coal Company, Limited. | Ditto ... | 3,00,000 | ... | No. 41, Nanda Ram Sen's Street, Calcutta. |
| | | Total ... | | 44,85,000 | 3,00,000 | |

STATEMENT No. II—*concluded.*

*Joint Stock Companies registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Nominal capital. | Paid-up capital. | Situation of the registered office. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | VI.—LAND AND BUILDING. | | Rs. | Rs. | |
| 1852 | 3rd July 1908 | K. P. Ghosha, Property Improvement Association, Limited. | Acquisition and maintenance of lands, zamindaris and buildings. | 90,000 | ... | |
| | | Total ... | ..... | 90,000 | ... | |
| | | VII.—BREWERIES. | | | | |
| 1902 | 13th Feb. 1909 | British Beer Breweries India, Bengal and Central India Company, Limited. | Manufacturers and merchants of wines, beers and spirits and aerated water. | 4,00,000 | ... | |
| | | Total ... | ..... | 4,00,000 | ... | |
| | | VIII.—SUGAR MANUFACTURING COMPANIES. | | | | |
| 1887 | 7th Dec. 1908 | Bengal Palm Sugar Manufacturing Company, Limited. | Manufacturers of and dealers in sugar, molasses, etc. | 50,000 | ... | No. 33, Canning Street, Calcutta. |
| 1906 | 3rd March 1909 | Cossipore Sugar Works, Limited. | Manufacturers and refiners of sugar, molasses, etc. | 10,00,000 | ... | No. 6, Lyons' Range, Calcutta. |
| | | Total ... | ..... | 10,50,000 | . | |
| | | IX—OTHER COMPANIES. | | | | |
| 1844 | 1st June 1908 | General Investment and Trust Company, Limited. | To carry on the business of a guarantee company, including thereon the granting of policies or deeds of indemnity granting the fidelity of individuals. | 10,00,000 | ... | Chartered Bank Buildings, Calcutta. |
| | | Total ... | ..... | 10,00,000 | ... | |

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companies.*

*The 25th May 1909.*

STATEMENT No. III.

*Companies limited by guarantee registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Number of member. | Situation of the registered office. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES. | | | |
| | | (a)—*Insurance Companies.* | | | |
| 1861 | 25th Aug. 1908 | Hindu Provident Fund, Limited. | To enable male members of Hindu community to provide for themselves, their families and dependents on the mutual benefit system. | Unlimited. | No. 28, Harrison Road, Calcutta. |

## STATEMENT No. III—*concluded.*

*Companies limited by guarantee registered during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Objects of company. | Number of member. | Situation of the registered office. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES —*concluded.* | | | |
| | | (a)—*Insurance Companies* —concluded. | | | |
| 1885 | 28th Nov. 1908 | Kamala Bhandar, Limited ... | To provide for its members when rendered incapable and disabled and to make provision for their families or nominees after death. | 600 | No. 24, Nimtallah Ghat Street, Calcutta. |
| | | II.—TRADING COMPANIES. | | | |
| | | (a)—*Merchants and Traders.* | | | |
| 1881 | 13th Nov. 1908 | Kurseong Amusement Club, Limited. | To afford to its members usual privileges, advantages, &c., of a club. | 100 | Kurseong, Darjeeling. |
| 1895 | 9th Jan. 1909 | Darjeeling Gymkhana Club, Limited. | Ditto ... | 400 | Darjeeling, Bengal. |
| | | III.—OTHER COMPANIES. | | | |
| 1842 | 1st June 1908 | Calcutta Master Printers' Association. | Encouragement of technical training of apprentices and others. | 20 | No. 48, Elliott Road, Calcutta. |
| 1846 | 6th " " | Incorporated Law Society of Calcutta. | To support and protect the character, status and interest of legal profession. | Unlimited. | |
| 1856 | 15th July " | India Financial Association of Seventh Day Adventists. | The promotion and securing of the interests of the Seventh Day Adventists denomination. | 7 | No. 39-1, Free School Street, Calcutta. |

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companies.*

*The 25th May 1909.*

## STATEMENT No. IV.

*Joint Stock Companies that have increased their Capital during the year 1908-09.*

| Number on the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous capital. | | Present capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up. | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES. | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | (a)—*Banking and Loan Companies.* | | | | | | | |
| 959 | 20th Dec. 1894 | Gaya Loan Office, Limited ... ... ... | 16th Feb. 1909 | 50,000 | 29,150 | 50,000 | 32,500 | ..... | 3,350 |
| 962 | 15th Jan. 1895 | India Debenture Company, Limited ... | 5th Nov. 1908 | 2,00,000 | 2,00,000 | 5,00,000 | 2,00,000 | 3,00,000 | ..... |
| 1137 | 8th July 1896 | Bhawanipur Banking Corporation, Limited. | 8th Mar. 1909 | 1,00,000 | 55,775 | 1,00,000 | 61,800 | ..... | 6,025 |
| 1395 | 12th Dec. " | Kumarkhali Banking Corporation, Limited | 23rd Sept. 1908 | 20,000 | 15,710 | 20,000 | 15,910 | ..... | 200 |
| 1504 | 1st Aug. 1901 | Stein, Forbes and Company, Limited ... | 22nd Feb. 1909 | 3,00,000 | 1,37,393 | 3,00,000 | 3,00,000 | ..... | 1,62,607 |
| 1547 | 21st April 1903 | Mahishya Banking and Trading Company, Limited. | 15th May 1908 | 1,00,000 | 2,920 | 1,00,000 | 5,430 | ..... | 2,510 |

## STATEMENT No. IV—*continued.*

*Joint Stock Companies that have increased their Capital during the year 1908-09*—continued.

| Number in the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous capital. | | Present capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | I.—Banking, Loan and Insurance Companies—*concld.* | | | | | | | |
| | | (a)—*Banking and Loan Companies*—concluded. | | | | | | | |
| 1635 | 24th Nov. 1905 | Taki Joint Stock Company, Limited .. | 18th Nov. 1908 | 20,000 | 10,840 | 20,000 | 13,530 | ..... | 2,690 |
| 1760 | 22nd July 1907 | Gaya Bank and Trades Association, Limited. | 17th July ,, | 50,000 | ..... | 50,000 | 2,750 | ..... | 2,750 |
| 1766 | 13th Sept. ,, | Bengal National Bank, Limited ... ... | 30th Mar. 1909 | 50,00,000 | ..... | 56,00,000 | 7,62,884 | ..... | 7,62,884 |
| 1822 | 2nd Mar. 1908 | Puri Bank, Limited ... ... ... ... | 1st Mar. 1909 | 50,000 | ..... | 50,000 | 14,820 | ..... | 14,820 |
| | | (b)—*Insurance Companies.* | | | | | | | |
| 1712 | 1st Dec. 1906 | Sree Radhakrishna Vilas Provident Company, Limited. | 22nd Dec. 1908 | 10,000 | 140 | 10,000 | 4,600 | ..... | 4,460 |
| 1713 | 5th ,, ,, | National Insurance Company, Limited ... | 6th May ,, | 10,00,000 | 83,425 | 10,00,000 | 94,250 | ..... | 10,825 |
| 1743 | 8th May 1907 | Hindusthan Co-operative Insurance Society, Limited. | 30th June ,, | 1,00,50,000 | ..... | 1,00,00,000 | 22,210 | ..... | 22,210 |
| | | II.—Trading Companies. | | | | | | | |
| | | (a)—*Navigation.* | | | | | | | |
| 1643 | 16th Jan. 1906 | The East Bengal River Steam Service, Limited. | 9th Nov. 1908<br>31st Aug. ,, | 7,25,000 | 4,23,958 | 10,00,000 | 5,00,821 | 2,75,000 | 76,863 |
| | | (b)—*Railways and Tramways.* | | | | | | | |
| 613 | 23rd June 1890 | Bengal Provincial Railway Company, Limited. | 20th June 1909 | 11,00,000 | 8,49,144 | 11,00,000 | 8,49,154 | ..... | 10 |
| 1566 | 12th Mar. 1897 | Hardwar-Dehra Branch Railway Company, Limited. | 14th Aug. 1908 | 30,00,000 | 29,26,000 | 50,00,000 | 29,32,000 | ..... | 6,000 |
| 1635 | 28th Nov. 1905 | Shahadara-Delhi-Saharanpur Light Railway Company, Limited. | 27th April ,, | 39,00,000 | 14,89,200 | 39,00,000 | 15,00,000 | ..... | 10,800 |
| | | (c)—*Co-operative Association.* | | | | | | | |
| 786 | 28th Sept. 1893 | Indian Pioneers Company, Limited ... | 25th ,, ,, | 20,000 | 10,967 | 20,000 | 11,167 | ..... | 200 |
| 984 | 18th April 1895 | Samastipur Co-operative Stores Association, Limited. | 29th June ,, | 10,000 | 5,000 | 10,000 | 8,692 | ..... | 3,692 |
| 1586 | 12th Oct. 1904 | Chota Nagpur Co-operative Stores Company, Limited. | 26th Oct. ,, | 20,000 | 2,788 | 20,000 | 3,031 | ..... | 243 |
| 1671 | 5th June 1906 | E. I. R. Co-operative Stores Society, Limited. | 14th Aug. ,, | 5,000 | 4,680 | 5,000 | 4,720 | ..... | 40 |
| | | (d)—*Shipping, Landing and Warehousing.* | | | | | | | |
| 1667 | 23rd May 1906 | Port Shipping Company, Limited .. ... | 16th Mar. 1909 | 15,00,000 | 5,95,800 | 15,00,000 | 7,04,110 | ..... | 1,08,310 |
| | | (e)—*Printing, Publishing and Stationery* | | | | | | | |
| 1226 | 17th Sept. 1896 | Darjeeling Press Company, Limited ... | 21st Jan. 1909 | 10,000 | 5,881 | 10,000 | 5,936 | ..... | 55 |
| 1534 | 10th Aug. 1902 | Kayastha Messenger Company, Limited .. | 6th May 1908 | 5,000 | 1,180 | 5,000 | 1,280 | ..... | 100 |
| 1681 | 2nd Aug. 1906 | The "Englishman," Limited . | 6th Jan. 1909 | 2,25,000 | 22,800 | 2,25,000 | 2,02,900 | ..... | 1,80,100 |
| | | (f)—*Others.* | | | | | | | |
| 274 | 18th Dec. 1873 | Agricultural Phosphates Company, Limited. | 5th May 1908 | 1,00,000 | 85,000 | 1,00,000 | 1,00,000 | ..... | 15,000 |
| 710 | 11th Dec. 1891 | John King and Company, Limited ... | 14th Jan. 1909 | 10,00,000 | 8,00,000 | 10,00,000 | 10,00,000 | ..... | 2,00,000 |
| 1.68 | 11th Aug. 1896 | Wood Company, Limited ... ... ... | 16th July 1908 | 20,000 | 5,800 | 20,000 | 6,300 | ..... | 500 |
| 1460 | 5th Jan. 1906 | Vulcan Iron Works, Limited ... .. | 26th Mar. 1909 | 4,00,000 | 3,20,000 | 4,00,000 | 3,64,100 | ..... | 43,500 |
| 1486 | 15th April 1901 | Bengal Chemical and Pharmaceutical Works, Limited | 11th April 1908<br>14th Nov. 1908 | 2,00,000 | 1,57,100 | 3,00,000 | 1,99,300 | 1,00,000 | 42,200 |

## STATEMENT No. IV—*continued.*

*Joint Stock Companies that have increased their Capital during the year 1908-09*—continued.

| Number on the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous Capital. | | Present Capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up. | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | | 7 | 8 | 9 | 10 |
| | | II—TRADING COMPANIES—*concluded.* | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | (*f*)—*Others*—concluded. | | | | | | | |
| 1529 | 2nd July 1902 | Indian Stores, Limited ... ... .. | 31st Aug. 1908 | 5,00,000 | 2,33,395 | 5,00,000 | 2,37,545 | ..... | 4,150 |
| 1560 | 8th Aug. 1904 | Jessore Swadeshi Bhandar Company, Limited. | 11th May. ,, | 10,000 | 5,118 | 10,000 | 5,525 | ... . | 407 |
| 1590 | 9th Mar. 1905 | Bengal Engineering Company, Limited . | 11th July ,, | 1,00,000 | ... . | 1,00,000 | 1,00,000 | .. ... | 1,00,000 |
| 1609 | 8th June ,, | Chapra Home Stores, Limited ... ... | 21st Nov. ,, | 20,000 | 8,767 | 20,000 | 9,190 | ..... | 423 |
| 1628 | 16th Oct. ,, | Narayan Company, Limited ... ... | 15th ,, ,, | 5,00,000 | 59,5 0 | 5,00,000 | 61,455 | ... . | 1,95. |
| 1629 | 18th ,, ,, | Bihar Swadeshi Company, Limited .. | 7th Aug. ,, | 2,00,000 | .. ... | 2,00,000 | 30,0 | ..... | 30,600 |
| 1632 | 21st Nov. ,, | Indian Goods Supply Company, Limited | 16th July ,, | 20,000 | 2,990 | 20,000 | 3,970 | ..... | 980 |
| 1645 | 26th Jan. 1906 | Tirhut Stores, Limited ... ... .. | 23rd Dec. ,, | 50,000 | 6,785 | 50,000 | 10,950 | ... . | 4,165 |
| 1647 | 1st Feb. ,, | Santipur Desiya Bhandar, Limited ... | 21st July ,, | 20,000 | 5 873 | 20,000 | 7,191 | ..... | 1,338 |
| 1649 | 20th ,, ,, | Satkhira Sulav Bhandar Company, Limited. | 8th Feb. 1909 | 20,000 | 2,020 | 20,000 | 2,040 | ..... | 20 |
| 1656 | 21st April ,, | Oriental Match Manufacturing Company, Limited. | 16th Apl. 1908 | 1,00,000 | 9,070 | 1,00,000 | 20 5.5 | ..... | 11,525 |
| 1658 | 11th ,, ,, | Laxmir Bhandar, Limited ... ... | 20th July 1908 | 1,00,000 | 13,910 | 1,00,000 | 19,335 | ... .. | 5,425 |
| 1674 | 7th July ,, | Kushtiya Deshiya Bhandar, Limited .. | 24th Aug. 1908 | 20,000 | 3,550 | 20,000 | 7,890 | ..... | 4,250 |
| 1680 | 26th ,, ,, | Beuval Distilleries Company, Limited ... | 18th Mar. 1908 | 1,00,000 | 30,600 | 1,00,000 | 32,600 | ..... | 2,000 |
| 1682 | 3rd Aug. ,, | Giridih Swadeshi Gola, Limited .. | 23rd Sept. 1908 | 20,000 | 4,910 | 20,000 | 5,494 | .. ... | 584 |
| 1683 | 3rd ,, ,, | Chhatra Bhandar, Limited ... .. | 24th Nov. ,, | 20,000 | 4,560 | 20,000 | 5,525 | .... | 965 |
| 1691 | 31st ,, ,, | Bagirhat Bharat Bhandar, Limited .. | 14th Sept. ,, | 10,000 | 7,119 | 10,000 | 8,220 | ..... | 1,101 |
| 1694 | 12th Sept. ,, | National Cycle and Motor Company Limited. | 4th Aug. ,, | 20,000 | 2,399 | 20 000 | 3,265 | ..... | 866 |
| 1696 | 15th ,, ,, | Macdowell, Dutt and Company, Limited | 23rd Dec. ,, | 5,00,000 | 3,00,000 | 5,00,000 | 5,00,000 | ..... | 2,00,000 |
| 1716 | 18th Dec. ,, | Russa Engineering Works, Limited .. | 10th Apl. ,, | 10,00,000 | ..... | 10,00,000 | 3,25,000 | ..... | 3,25,000 |
| 1727 | 7th Febry. 1907 | Darbhanga Trading Company, Limited ... | 3rd Dec. ,, | 20,000 | 6,910 | 20,000 | 17,770 | ..... | 10,960 |
| 1737 | 6th Apl. ,, | United Ginning and Pressing Company, Limited. | 20th Jan. 1909 | 10,00,000 | 95,205 | 10,00,000 | 1,57,360 | .. ... | 62,155 |
| 1740 | 18th ,, ,, | Kotechandpur Swadeshi Bhandar Company, Limited. | 21st Dec. 1908 | 10,000 | ..... | 10,000 | 6,725 | ..... | 6,72. |
| 1745 | 22nd May ,, | Small Industries Development Company, Limited. | 3rd Aug. ,, | 4,00,000 | ... .. | 4,00,000 | 21,079 | ..... | 21,079 |
| 1749 | 29th ,, ,, | G. G. Mitchell and Company, Limited ... | 15th Sep. ,, | 1,25,000 | ..... | 1,25,000 | 1,25,000 | ..... | 1,25,000 |
| 1759 | 29th July ,, | Bengal Hosiery Company, Limited ... | 19th Jan. 1909 | 2,00,000 | ..... | 2,00,000 | 9,225 | ..... | 9,225 |
| 1763 | 12th Aug. ,, | Chota Nagpur Motor Service Company, Limited. | 22nd Dec. 1908 | 4,00,000 | .... | 4 00,000 | 55,011 | ..... | 55,011 |
| 1775 | 25th Oct. ,, | "Angelo" Brothers, Limited ... ... | 7th ,, ,, | 10,00,000 | ..... | 10,00,000 | 10,00,000 | ... .. | 10 00,000 |
| 1782 | 6th Dec. ,, | Tamluk Trading and Manufacturing Company, Limited. | 21st July ,, | 1,00,000 | ... .. | 1,00,000 | 936 | ..... | 936 |
| 1783 | 11th ,, ,, | Indian Motors, Limited ... ... ... | 30th Mar. 1909 | 1,00,000 | .. ... | 1,00,000 | 10,130 | ... . | 10 130 |
| 1793 | 7th Jan. 1908 | Utanka Agency Company, Limited ... | 23rd Dec. 1908 | 1,00,000 | ... .. | 1 00,000 | 505 | ..... | 505 |

## STATEMENT No. IV—*continued.*

*Joint Stock Companies that have increased their Capital during the year 1908-09*—continued.

| Number on the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous capital. | | Present capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up. | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | III.—MILLS AND PRESSES. | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | *(a)—Cotton Mills.* | | | | | | | |
| 1269 | 31st Oct. 1896 | Bengal-Nagpur Cotton Mills Company, Limited. | 8th Apl. 1908 | 12,00,000 | 10,97,875 | 12,00,000 | 12,00,000 | ..... | 1,02,125 |
| 1631 | 17th Nov. 1905 | Calcutta Weaving Company, Limited .. | 23rd Mar. 1909 | 50,000 | 21,375 | 50,000 | 25,617 | ..... | 4,242 |
| 1642 | 15th Jan. 1906 | Bengal Luxmi Cotton Mills Company, Limited. | 13th Feb. ,, | 12,00,000 | 11,61,900 | 18,00,000 | 12,00,000 | 6,00,000 | 38,100 |
| 1666 | 21st May ,, | Desi Cloth Mills Company, Limited ... | 25th Aug. 1908 | 6,00,000 | 4,61,568 | 6,00,000 | 5,77,850 | ..... | 1,16,282 |
| 1673 | 28th June ,, | Gomesh Cloth Mills Company, Limited ... | 23rd Mar. 1909 | 5,00,000 | ..... | 5,00,000 | 2,015 | ..... | 2,015 |
| | | *(b)—Jute Mills.* | | | | | | | |
| 718 | 16th Mar. 1893 | Hooghly Mills Company, Limited ... | 5th ,, ,, | 37,80,000 | 37,79,850 | 37,80,000 | 37,80,000 | ..... | 150 |
| 990 | 12th July 1895 | Khardah Company, Limited ... | 17th June 1908<br>25th Feb. 1909 | 15,00,000 | 15,00,000 | 18,00,000 | 16,62,000 | 3,00,000 | 1,62,000 |
| 1021 | 21st Sept. ,, | Alliance Jute Mills Company, Limited ... | 25th Jan. 1909 | 30,00,000 | 27,00,000 | 30,00,000 | 29,43,600 | ..... | 43,600 |
| 1538 | 13th Nov. 1902 | Chittagong Company, Limited ... | 14th Aug. 1908 | 5,00,000 | 3,88,000 | 5,00,000 | 4,85,000 | ..... | 97,000 |
| 1679 | 23rd July 1906 | Belvedere Jute Mills Company, Limited | 1st Sept. ,, | 14,00,000 | 4,68,800 | 14,00,000 | 13,96,000 | ..... | 9,27,200 |
| 1701 | 25th Oct. ,, | Reliance Jute Mills Company, Limited ... | 12th Dec. ,, | 27,00,000 | 17,00,000 | 27,00,000 | 27,00,000 | ..... | 10,00,000 |
| 1757 | 16th July 1907 | Kelvin Jute Company, Limited ... | 19th May 1909 | 16,00,000 | ..... | 16,00,000 | 15,33,725 | ..... | 15,33,725 |
| | | *(c) Cotton and Jute Screws and Presses.* | | | | | | | |
| 1676 | 7th July 1906 | Tripura Company, Limited ... ... | 5th Feb. 1909 | 15,00,000 | 50,230 | 15,00,000 | 67,785 | ..... | 17,555 |
| 1717 | 21st Dec. ,, | Sonakunda Baling Company, Limited ... | 11th Apl. 1908 | 5,00,000 | ..... | 5,00,000 | 4,00,000 | ..... | 4,00,000 |
| | | *(d)—Paper Mills.* | | | | | | | |
| 590 | 28th Jan. 1890 | Bengal Paper Mills Company, Limited ... | 10th Apl. 1908 | 6,00,000 | 3,99,500 | 6,00,000 | 6,00,000 | ..... | 2,00,500 |
| | | IV.—TEA AND OTHER PLANTING COMPANIES. | | | | | | | |
| | | *(a)—Tea.* | | | | | | | |
| 466 | 19th Feb. 1883 | Baintgoori Tea Company (Dooars), Limited. | 31st Mar. 1909 | 1,87,000 | 1,70,000 | 1,87,000 | 1,87,000 | ..... | 17,000 |
| 519 | 5th Jan. 1886 | Chulsa Tea Company (Dooars), Limited... | 8th Apl. 1908 | 5,85,000 | 5,73,600 | 5,85,000 | 5,85,000 | ..... | 11,400 |
| 562 | 27th Sept. 1888 | Gangaram Tea Company, Limited ... | 3rd Aug. ,, | 1,50,000 | 1,50,000 | 2,70,000 | 1,50,000 | 1,20,000 | ..... |
| 572 | 27th Mar. 1889 | Huldibaree Tea Association, Limited ... | 29th Mar. 1909 | 3,00,000 | 2,00,000 | 3,00,000 | 2,60,000 | ..... | 60,000 |
| 1242 | 21th July 1896 | Hantapara Tea Company, Limited ... | 3rd July 1908 | 6,75,000 | 5,00,000 | 6,75,000 | 5,16,700 | ..... | 16,700 |
| 1571 | 19th Jan. 1904 | Hasimara Tea Company, Limited ... | 17th Nov. ,,<br>24th Apl. ,, | 4,00,000 | 2,77,170 | 6,00,000 | 4,00,000 | 2,00,000 | 1,22,830 |
| 1729 | 11th Mar. 1907 | Udna Tea Company, Limited ... ... | 6th Apl. ,, | 1,00,000 | ..... | 1,00,000 | 55,350 | ..... | 55,350 |
| 1779 | 21st Nov. 1907 | Ambari Tea Company, Limited ... ... | 14th May ,, | 1,25,000 | ..... | 1,25,000 | 6,056 | ..... | 6,00 |
| 1802 | 28th Jan. 1908 | Ghazipore Tea Company, Limited ... | 13th Mar. 1909 | 1,50,000 | ..... | 1,50,000 | 1,20,000 | ..... | 1,20,000 |
| | | *(b)—Others.* | | | | | | | |
| 1533 | 16th Aug. 1902 | Bengal Rhea Syndicate, Limited ... ... | 4th Apl. 1908 | 3,25,000 | 1,60,750 | 3,25,000 | 2,50,000 | ..... | 89,250 |
| 1588 | 1st Dec. 1904 | Indian (Long Stapled) Cotton Growing Syndicate, Limited. | 19th June ,, | 10,00,000 | 12,360 | 10,00,000 | 21,720 | ..... | 9,360 |

STATEMENT No. IV—*continued.*

*Joint Stock Companies that have increased their Capital during the year 1908-09*—continued.

| Number on the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous capital. | | Present capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up. | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | TEA AND OTHER PLANTING COMPANIES—*concluded* | | | | | | | |
| | | (*b*)—*Others*—concluded. | | | | | | | |
| 1607 | 2nd May 1905 | Pursa Limited ... ... ... ... ... | 3rd April 1908 | 96,000 | ... | 96,000 | 64,000 | ... | 64,000 |
| 1670 | 5th June 1906 | Indian Cotton Cultivation Company, Limitted. | 13th May 1908 | 10,000 | .. | 10,000 | 9,575 | ... | 9,575 |
| | | V.—MINING AND QUARRYING. | | | | | | | |
| | | (*a*)—*Coal.* | | | | | | | |
| 20 | 24th July 1858 | Bengal Coal Company, Limited ... ... | 2nd May 1908<br>24th Feb. 1909 | 27,00,000 | 27,00,000 | 30,00,000 | 30,00,000 | 3,00,000 | 3,00,000 |
| 976 | 12th Mar. 1858 | Equitable Coal Company, Limited ... | 18th Jan. 1909 | 20,00,000 | 20,00,000 | 24,00,000 | 20,00,000 | 4,00,000 | ... |
| 1112 | 23rd May 1896 | Seetarampore Coal Company, Limited .. | 16th Mar. ,, | 3,75,000 | 3,00,000 | 3,75,000 | 3,75,000 | ... | 75,000 |
| 1129 | 18th June ,, | New Manbhum Coal Company, Limited ... | 11th Jan. ,, | 3,00,000 | 2,40,000 | 3,00,000 | 2,72,030 | ... | 32,030 |
| 1487 | 19th April 1901 | Burrakur Coal Company, Limited ... | 5th Mar. ,, | 30,00,000 | 23,25,000 | 30,00,000 | 26,25,000 | .. | 3,00,000 |
| 1544 | 23rd Dec 1902 | Kosoonda and Nyadee Collieries, Limited. | 19th Jan. ,, | 7,00,000 | 6,82,075 | 7,00,000 | 7,00,000 | ... | 17,925 |
| 1598 | 3rd Mar. 1905 | Empire Coal Company, Limited ... ... | 10th Mar. 1909 | 2,00,000 | 1,33,250 | 2,00,000 | 1,78,500 | ... | 45,250 |
| 1611 | 13th June ,, | Baraboni Coal Concern, Limited .. | 4th Nov. 1908 | 10,00,000 | 7,73,800 | 1,00,000 | 9,97,460 | ... | 2,23,660 |
| 1622 | 31st Aug. ,, | Pench Valley Coal Company, Limited ... | 29th June ,, | 12,00,000 | 3,48,750 | 12,00,000 | 3,50,000 | ..... | 1,250 |
| 1692 | 1st Sep. 1906 | British India Coal Company, Limited .. | 17th Oct. ,, | 2,00,000 | 1,00,000 | 2,00,000 | 1,38,500 | ... | 38,500 |
| 1703 | 1st Nov. ,, | Kuardi Coal Company, Limited ... ... | 11th Sep. ,, | 3,00,000 | ..... | 3,00,000 | 3,00,000 | ..... | 3,00,000 |
| 1704 | 1st ,, ,, | East Kuardi Coal Company, Limited .. | 28th ,, ,, | 2,00,000 | ..... | 2,00,000 | 2,00,000 | ..... | 2,00,000 |
| 1706 | 9th ,, ,, | Huntodih Coal Company, Limited ... | 13th Oct. ,, | 3,00,000 | 2,90,275 | 3,00,000 | 3,00,000 | .. | 9,725 |
| 1711 | 27th ,, ,, | Bengal Bhatdee Coal Company, Limited | 5th Mar. 1909 | 4,50,000 | 4,43,200 | 4,50,000 | 4,49,350 | ... | 6,150 |
| 1718 | 11th Jan. 1907 | East Jherriah Coal Company, Limited ... | 5th Jan. ,, | 3,00,000 | 2,48,750 | 3,00,000 | 2,96,000 | ... | 47,250 |
| 1721 | 23rd ,, ,, | Damrah Coal Company, Limited ... | 7th Dec. 1908 | 4,00,000 | 2,00,000 | 4,00,000 | 3,44,240 | ... | 1,44,240 |
| 1723 | 25th ,, ,, | Sudreadih Coal Company, Limited ... | 5th Jan. 1909 | 3,50,000 | 2,75,850 | 3,50,000 | 3,49,950 | ..... | 74,100 |
| 1728 | 12th Feb. 1907 | Basanti Oakden Company, Limited ... | 1st Mar. 1909 | 5,00,000 | . | 5,00,000 | 5,00,000 | | 5,00,000 |
| 1732 | 19th Mar. ,, | Saltore Coal Company, Limited ... ... | 23rd Dec. 1908 | 15,00,000 | ..... | 15,00,000 | 13,69,075 | ..... | 13,69,075 |
| 1734 | 23rd ,, ,, | Sudamdih Coal Company, Limited | 3rd April ,,<br>27th July ,, | 7,00,000 | 5,16,020 | 9,00,000 | 7,16,000 | 2,00,000 | 1,99,980 |
| 1742 | 2nd May ,, | Ghusick and Muslia Collieries, Limited .. | 19th Jan. 1909 | 14,00,000 | ..... | 14,00,000 | 13,00,000 | ... | 13,00,000 |
| 1746 | 22rd ,, ,, | Nodiha Coal Company, Limited ... ... | 17th Oct. 1908 | 8,00,000 | ..... | 8,00,000 | 6,00,000 | .. | 6,00,000 |
| 1747 | 25th ,, ,, | Mundulpoor Coal Company, Limited ... | 17th ,, ,, | 11,70,000 | ..... | 11,70,000 | 7,70,000 | .. | 7,70,000 |
| 1748 | 27th ,, ,, | Peepratand Coal Company, Limited ... | 11th May ,, | 5,00,000 | ..... | 5,00,000 | 5,00,000 | ..... | 5,00,000 |
| 1751 | 12th June ,, | Phœnix Coal Company, Limited ... | 20th Aug. ,, | 3,00,000 | ..... | 3,00,000 | 3,00,000 | ..... | 3,00,000 |
| 1761 | 7th Aug. ,, | Minto Coal Company, Limited ... ... | 10th Mar. 1909 | 3,00,000 | ..... | 3,00,000 | 2,97,010 | ..... | 2,97,010 |
| 1764 | 23rd ,, ,, | Charnock Collieries, Limited ... ... | 5th ,, ,, | 3,00,000 | ..... | 3,00,000 | 2,64,125 | .. | 2,64,125 |

## STATEMENT No. IV—*concluded.*

*Joint Stock Companies that have increased their Capital during the year 1908-09*—concluded.

| Number on the register. | Date of registration. | Classification and name of company. | Date of increase. | Previous capital. | | Present capital. | | Difference. | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Nominal. | Paid-up. | Nominal. | Paid-up. | Nominal. | Paid-up. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | V. MINING AND QUARRYING—*concluded.* | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| | | (*a*)—*Coal*—concluded. | | | | | | | |
| 1767 | 13th Sept. 1907 | Imperial Coal Company, Limited ... | 12th Dec. 1908 | 4,50,000 | ..... | 4,50,000 | 3,00,000 | ..... | 3,00,000 |
| 1768 | 27th ,, ,, | Kessurgurah Coal Company, Limited ... | 21st Aug. ,, | 6,00,000 | ..... | 6,00,000 | 6,00,000 | ..... | 6,00,000 |
| 1773 | 4th Oct. ,, | Govindpore Coal Company, Limited ... | 25th Feb. 1909 | 2,00,000 | ..... | 2,00,000 | 2,00,000 | ..... | 2,00,000 |
| 1774 | 17th ,, ,, | Burragarh Coal Company, Limited ... | 11th Sept. 1908 | 5,00,000 | ..... | 5,00,000 | 5,00,000 | ..... | 5,00,000 |
| 1777 | 11th Nov. ,, | Pundakanali Coal Company, Limited ... | 5th Mar. 1909 | 5,00,000 | ..... | 5,00,000 | 2,35,045 | ..... | 2,35,045 |
| 1778 | 16th ,, ,, | Satpukoria and Asansol Collieries, Limited | 21st Dec. 1908 | 8,00,000 | ..... | 8,00,000 | 8,00,000 | ..... | 8,00,000 |
| 1781 | 26th ,, ,, | South Govindpur Collieries, Limited ... | 23rd Nov. ,, | 7,50,000 | ..... | 7,50,000 | 7,50,000 | ..... | 7,50,000 |
| 1784 | 11th Dec. ,, | Oriental Coal Company, Limited ... | 19th Dec. ,, | 5,50,000 | ..... | 5,50,000 | 5,50,000 | ..... | 5,50,000 |
| 1785 | 12th ,, ,, | Budroo Chuck Coal Mining Company, Limited. | 1st Mar. 1909 | 5,00,000 | ..... | 5,00,000 | 5,00,000 | ..... | 5,00,000 |
| 1786 | 16th ,, ,, | Sendra Coal Company, Limited ... ... | 25th Feb. 1909 | 8,00,000 | ..... | 8,00,000 | 8,00,000 | ..... | 8,00,000 |
| 1787 | 17th ,, ,, | Shunga Mahal Collieries, Limited ... | 5th Mar. ,, | 4,50,000 | ..... | 4,50,000 | 3,20,937 | ..... | 3,20,937 |
| 1789 | 21st ,, ,, | Bokaro and Ramgur, Limited ... ... | 19th Sept. 1908 | 16,00,000 | ..... | 16,00,000 | 16,00,000 | . | 16,00,000 |
| 1790 | 23rd ,, ,, | Chelude Coal Company, Limited ... ... | 28th ,, ,, | 4,50,000 | ..... | 4,50,000 | 3,41,670 | ..... | 3,41,670 |
| 1791 | 3rd Jan. 1908 | Union Coal Company, Limited ... ... | 24th Mar. 1909 | 3,50,000 | ..... | 3,50,000 | 3,50,000 | .. | 3,50,000 |
| 1792 | 7th ,, ,, | Central Coal Company, Limited ... ... | 4th Dec. 1908 | 2,00,000 | ..... | 2,00,000 | 1,045 | ..... | 1,045 |
| 1794 | 10th ,, ,, | Bengal Giridih Coal Company, Limited | 5th Mar. 1909 | 4,50,000 | ..... | 4,50,000 | 4,50,000 | ..... | 4,50,000 |
| 1795 | 14th ,, ,, | Auckland Coal Company, Limited ... | 17th ,, ,, | 4,00,000 | ..... | 4,00,000 | 4,00,000 | ..... | 4,00,000 |
| 1799 | 22nd ,, ,, | Bilbera Coal Company, Limited ... ... | 19th Feb. ,, | 7,00,000 | ..... | 7,00,000 | 4,00,000 | ..... | 4,00,000 |
| 1803 | 29th ,, ,, | Parasea Collieries, Limited ... ... | 8th Mar. ,, | 8,00,000 | ..... | 8,00,000 | 7,92,000 | ..... | 7,92,000 |
| 1807 | 5th Feb. ,, | Pench River Coal Company, Limited ... | 11th ,, ,, | 5,00,000 | ..... | 5,00,000 | 3,38,912 | ..... | 3,38,912 |
| 1808 | 5th Feb. 1908 | Pench Consolidated Coal Company, Limited. | 11th ,, 1909 | 5,00,000 | ..... | 5,00,000 | 3,46,412 | ..... | 3,46,412 |
| 1809 | 5th ,, ,, | Central Pench Coal Company, Limited ... | 11th ,, ,, | 5,00,000 | ..... | 5,00,000 | 3,34,287 | ..... | 3,34,287 |
| 1810 | 5th ,, ,, | Upper Pench Coal Company, Limited ... | 11th ,, ,, | 6,00,000 | ..... | 6,00,000 | 4,00,000 | ..... | 4,00,000 |
| 1811 | 11th ,, ,, | Mahespur Coal Company, Limited ... | 8th Feb. ,, | 7,00,000 | ..... | 7,00,000 | 5,62,000 | ..... | 5,62,000 |
| 1816 | 14th ,, ,, | Burra Dhemo Coal Company, Limited ... | 29th Jan. ,, | 6,50,000 | ..... | 6,50,000 | 4,61,250 | ..... | 4,61,250 |
| 1817 | 15th ,, ,, | Teetulmuri Collieries, Limited ... ... | 10th Sept. 1908 | 11,00,000 | ..... | 11,00,000 | 9,00,000 | ..... | 9,00,000 |
| | | (*b*)—*others.* | | | | | | | |
| 581 | 15th Feb. 1879 | Bengal Stone Company, Limited ... | 24th June ,, | 80,000 | 80,000 | 2,00,000 | 80,000 | 1,20,000 | ..... |
| 1739 | 11th Mar. 1907 | East India Stone Company, Limited ... | 4th May ,, | 60,000 | ..... | 60,000 | 60,000 | ..... | 60,000 |
| 1753 | 20th June ,, | Factolus Dredging Syndicate, Limited ... | 23rd Mar. 1909 | 3,00,000 | ..... | 3,00,000 | 75,550 | ..... | 75,550 |
| | | VI.—LAND AND BUILDING. | | | | | | | |
| 1537 | 2nd Oct. 1902 | Midnapore Zemindary Company, Limited | 4th Feb. 1909 | 16,50,000 | 9,37,600 | 16,92,500 | 9,37,600 | 42,500 | ..... |
| 1602 | 27th April 1906 | Shamnagar Land Company, Limited .. | 18th Mar ,, | 1,00,000 | 15,000 | 1,00,000 | 30,000 | ..... | 15,000 |

SYUD ABDUS SALAM,

*Registrar of Joint Stock Companies.*

*The 25th May 1909.*

## STATEMENT No. V.

*Joint Stock Companies that have reduced their Capital during the year 1908-09.*

Nil.

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companies.*

*The 25th May 1909.*

## STATEMENT No. VI.

*Joint Stock Companies that having ceased to work have gone into liquidation or have been finally dissolved (or otherwise become defunct) during the year 1908-1909.*

| Number on the register. | Date of registration. | Classification and name of company. | Nominal capital. | Paid-up capital. | Date of going into liquidation. | Date of final dissolution. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES. | Rs. | Rs. | | |
| | | (a)—*Banking and Loan Companies.* | | | | |
| 1465 | 22nd Feb. 1900 | Commercial Bank of India, Limited | 59,99,750 | 23,90,550 | 19th Feb. 1909 | |
| 1522 | 13th Mar. 1902 | Purnea Central Bank, Limited ... | 5,000 | ... | ..... | Defunct. |
| | | (b)—*Insurance Companies.* | | | | |
| 783 | 25th Sept. 1893 | Indian Metropolitan Life Assurance Company, Limited. | 1,00,000 | 1,336 | 28th Aug. 1908 | |
| 1557 | 19th Feb. 1897 | Damurhuda Paribarik Sanstha Company, Limited. | 9,000 | 2,754 | ..... | Defunct. |
| 1610 | 13th June 1905 | Calcutta National Association, Limited. | 2,500 | 2,500 | 15th Feb. 1909 | |
| | | II.—TRADING COMPANIES. | | | | |
| | | (a)—*Navigation.* | | | | |
| 705 | 3rd Oct. 1891 | Eastern Steam Navigation Company, Limited. | 3,00,000 | ... | ..... | Defunct. |
| | | (b)—*Railways and Tramways.* | | | | |
| 1527 | 17th April 1902 | Dwara Therria Railway Company, Limited. | 14,00,000 | 9,36,100 | 15th April 1908 | |
| 1627 | 16th Oct. 1905 | Sree Sawai Joypore Sikar Rajet Railway Company, Limited. | 25,00,000 | ... | ..... | Defunct. |
| | | (c)—*Co operative Associations.* | | | | |
| 548 | 30th Nov. 1887 | Asansole Railway Co-Operative Ice and Ærated Water Supply, Limited. | 16,000 | 16,000 | ..... | Defunct. |
| | | (e)—*Printing, Publishing and Stationery.* | | | | |
| 1398 | 24th Aug. 1897 | Indian Publication Society, Limited | 20,000 | 4,751 | ..... | Defunct. |
| 1422 | 25th April 1898 | Indian Co-operative Journal Society, Limited. | 20,000 | 677 | ..... | Ditto. |
| 1575 | 10th May 1904 | New India Limited ... ... | 30,000 | ... | ..... | Ditto. |
| 1620 | 8th August 1905 | The Eastern Art and Historical Publishing, Company, Limited. | 3,00,000 | ... | ..... | Ditto. |
| 1700 | 13th Oct. 1906 | Bande Mataram Printers and Publishers, Limited. | 50,000 | 2,990 | 18th Jan. 1909 | |

STATEMNET No. VI—*continued.*

*Joint Stock Companies that having ceased to work have gone into liquidation or have been finally dissolved (or otherwise become defunct) during the year 1908-1909*—continued.

| Number on register. | Date of registration. | Classification and name of company. | Nominal capital. | Paid-up capital. | Date of going into liquidation. | Date of final dissolution. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | Rs. | Rs. | | |
| | | II—TRADING COMPANIES—*concld.* | | | | |
| | | (*f*) *Others.* | | | | |
| 708 | 5th Dec. 1891 ... | Behar Trading Company, Limited ... | 20,000 | 9,968 | ..... | Defunct. |
| 720 | 25th Mar. 1892 | Oriental Trading Company, Limited | 30,000 | 11,681 | ..... | Ditto. |
| 880 | 5th June 1894... | Bengal Nagpur Limo Company, Limited. | 1,00,000 | 23,100 | ..... | Ditto. |
| 906 | 25th July „ | Indian Imperial Financial Association, Ld. | 5 ,000 | 46,500 | ... .. | Ditto. |
| 1255 | 5th Oct. 1896. | Berthond and Company, Limited ... | 1,00,000 | 13,000 | ..... | Ditto. |
| 1400 | 7th Sept. 1897. | Swadeshi Bhandar, Limited ... | 20,000 | 6,442 | ..... | Ditto. |
| 1425 | 21st May 1898 | Atkinson Brothers, Limited .. | 3,00,000 | 2,00,000 | ..... | Ditto. |
| 1455 | 25th July 1899 | Co-operative Shop Company, Limited. | 10,000 | 799 | ..... | Ditto. |
| 1506 | 15th Aug. 1900. | Indigo Manures Supply Company, Limited. | 2,00,000 | 86,5 00 | 18th Mar. 1906 | 23rd Dec. 1908. |
| 1509 | 23rd Aug. 1901. | A. Ukil and Company, Limited ... | 2,00,000 | 8,310 | ..... | Defunct. |
| 1512 | 5th Oct. „ | Pioneer Building Syndicale, Limited | 1,00,000 | ... | ..... | Ditto. |
| 1513 | 11th „ „ | Balliaghatta Trading Company, Limited. | 20,000 | ... | ..... | Ditto. |
| 1514 | 1st Nov. „ | Bengal Glass Company, Limited ... | 5,00,000 | 3,00,000 | 4th Nov. 1908. | 3rd February 1909. |
| 1536 | 6th Sept. 1902. | Calcutta Conveyance Company, Limited. | 2,00,000 | ... | ..... | Defunct. |
| 1557 | 14th „ 1903. | Bengal Dhan Chhatai and Chira Preparing Company, Limited. | 20,000 | 9,800 | ..... | Ditto. |
| 1570 | 14th Jan. 1904 | Ranchi Road Car Syndicate, Limited | 1,00,000 | ... | ..... | Ditto. |
| 1593 | 31st „ 1904 | Art Syndicate, Limited ... | 20,000 | ... | ..... | Ditto. |
| 1597 | 28th Feb. „ | Alpha Building and Land Investment Company, Limited. | 2,50,000 | ... | ..... | Ditto. |
| 1650 | 26th „ 1906 | Nimtola Swadeshi Bhandar Company, Limited. | 25,000 | ... | 22nd Aug. 1908. | |
| 1678 | 21st July „ | Bengal Pottery Works, Limited ... | 20,000 | 4,167 | 25th Jan. 1909. | |
| 1688 | 24th Aug. „ | Amta Shilpa Samiti, Limited ... | 5,000 | ... | ..... | Defunct. |
| 1708 | 19th Nov. „ | Talking Machine Company of India, Limited. | 4,50,000 | ... | ..... | Ditto. |
| 1736 | 28th Mar. 1907 | Krieg and Company, Limited ... | 2,00,000 | ... | 8th Jan. 1909. | |
| 1789 | 25th Nov. „ | T. R. Pratt, Limited ... ... | 1,50,000 | ... | ..... | Defunct. |
| | | III.—MILLS AND PRESSES. | | | | |
| | | (*a*)—*Cotton Mills.* | | | | |
| 1630 | 1st Nov. 1905 | Indian Spinning and Weaving Company, Limited. | 12,00,000 | 20,320 | 5th Jan. 1909 ... | |
| 1640 | 8th Jan. 1906 | Indian Mills Co-operative Life Assurance and Mohomedan Central Banking Company, Limted. | 10,00,000 | ... | ..... | Defunct. |

STATEMENT No. VI—*concluded.*

*Joint Stock Companies that having ceased to work have gone into liquidation or have been finally dissolved (or otherwise become defunct) during the year 1908-1909*—concluded.

| Number on the register. | Date of registration. | Classification and name of company. | Nominal capital. | Paid-up capital. | Date of going into liquidation. | Date of final dissolution. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | III.—MILLS AND PRESSES—concluded. | Rs. | Rs. | | |
| | | *(b)—Jute Mills* | | | | |
| 1035 | 21st Nov. 1895 | Shalimar Jute Company, Limited ... | 8,00,000 | ... | ..... | Defunct. |
| | | *(c)—Cotton and Jute Screws and Presses.* | | | | |
| 1590 | 22nd Dec 1904 | Prior Fibres Empire, Limited ... | 50,00,000 | ... | ..... | Defunct. |
| | | *(d)—Flour Mills.* | | | | |
| 1539 | 17th Nov. 1902 | Behar Machine Works Company, Limited. | 1,00,000 | 63,113 | 9th Dec. 1908 | |
| | | IV.—TEA AND OTHER PLANTING COMPANIES. | | | | |
| | | *(a)—Tea.* | | | | |
| 359 | 16th July 1877 | Hotewar Tea Company, Limited ... | 56,000 | 56,000 | 27th May 1908 | |
| 517 | 22nd Dec. 1885 | Chincoorie Tea Company, Limited ... | 2,00,000 | 2,00,000 | ..... | Defunct. |
| 754 | 21d June 1893 | Chotanagpur Tea Company, Limited | 85,000 | 85,000 | 8th July 1902 | 8th April 1908. |
| 1083 | 31st Mar. 1896 | Manjha Tea Company, Limited ... | 50,000 | 28,100 | 30th Jan. 1908 | 23rd May 1908. |
| 1423 | 30th April 1898 | Rangmala Tea Company, Limited | 60,000 | ... | ..... | Defunct. |
| 1475 | 9th Nov. 1900 | New Killcott Tea Company, Limited | 2,00,000 | 2,00,000 | ..... | Defunct. |
| 1595 | 18th Feb. 1905 | Dima Tea Company, Limited ... | 50,000 | 1,23,500 | 9th Jan. 1908 | 4th Feb. 1909. |
| | | *(b)—Others.* | | | | |
| 1605 | 17th April 1905 | Dhalbhoom Syndicate, Limited ... | 85,000 | 85,000 | 4th Feb. 1909 | |
| 1707 | 15th Nov. 1906 | Indian Produce Company, Limited | 5,00,000 | ... | 8th May 1908 | |
| 1733 | 22nd Mar. 1907 | Bengal Agricultural and Dairy Farm, Limited | 5,00,000 | ... | 23rd Mar. 1909 | |
| | | V.—MINING AND QUARRYING. | | | | |
| | | *(a)—Coal.* | | | | |
| 1518 | 19th Dec. 1901 | Bikanir and Dehra Dun Prospecting and Mining Company, Limited | 5,00,000 | 1,33,519 | 18th Jan. 1908 | 27th April 1908. |
| 1532 | 12th Aug. 1902 | Nichinta Coal Company, Limited .. | 3,00,000 | 1,23,760 | 16th Mar. 1909 | |
| 1584 | 3rd Aug. 1906 | Thetulmoorie Coal Company, Limited | 5,00,000 | 72,000 | 29th " " | |
| | | *(b)—Others.* | | | | |
| 1526 | 17th April 1902 | Meolong Lime and Coal Company, Limited. | 9,50,000 | 7,52,118 | 23rd April 1908 | |
| | | VI.—ICE MANUFACTURING COMPANIES. | | | | |
| 656 | 22nd Nov. 1890 | Oriental Ice Manufacturing Company, Limited. | 1,00,000 | 44,300 | ..... | Defunct. |

*The 25th May 1909.*

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companie.*

STATEMENT No. VII.

*Companies limited by guarantee that having ceased to work, have gone into liquidation, or have been finally dissolved (or otherwise become defunct) during the year 1908-09.*

| Number on the register | Date of registration. | Classification and name of company. | Number of members. | Date of going into liquidation. | Date of final dissolution. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | I.—BANKING, LOAN AND INSURANCE COMPANIES. | | | |
| | | (a)—*Insurance Companies.* | | | |
| 1687 | 21st August 1906 | Mutual Co-operative Pension Association in India, Limited. | 20 members ... | ..... | Defunct. |

SYUD ABDUS SALAM,
*Registrar of Joint Stock Companies.*

*The 25th May 1909.*

STATEMENT No. VIII.

*List (Classified Abstract) of Joint Stock Companies at work on 31st March 1909.*

| Classification of company. | Total number. | Aggregate nominal capital. | Aggregate paid-up capital. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | Rs. | Rs. |
| I.—Banking, Loan and Insurance Companies— | | | |
| (a) Banking and Loan Companies ... | 23 | 7,25,25,000 | 2,43,64,903 |
| (b) Insurance Companies ... ... | 10 | 11,63,40,000 | 7,96,060 |
| Total of Banking, Loan and Insurance Companies. | 33 | 18,88,65,000 | 2,51,60,963 |
| II.—Trading Companies— | | | |
| (a) Navigation ... ... ... | 7 | 87,40,000 | 23,93,821 |
| (b) Railways and Tramways ... ... | 13 | 1,65,65,000 | 1,31,06,154 |
| (c) Co-operative Associations ... ... | 10 | 2,87,000 | 2,54,305 |
| (d) Shipping, Landing and Warehousing ... | 4 | 35,50,000 | 24,32,810 |
| (e) Printing, Publishing and Stationery ... | 11 | 13,83,200 | 4,70,116 |
| (f) Others ... ... ... ... | 103 | 3,28,95,500 | 1,85,62,776 |
| Total of Trading Companies ... | 148 | 6,34,29,700 | 3,72,19,982 |
| III.—Mills and Presses— | | | |
| (a) Cotton mills ... ... ... | 17 | 1,79,30,000 | 1,01,70,982 |
| (b) Jute mills ... ... ... | 35 | 7,09,05,000 | 5,95,48,375 |
| (c) Mills for wool, silk, hemp, etc. ... | 2 | 8,64,625 | 6,96,325 |
| (d) Cotton and jute screws and presses ... | 11 | 60,35,000 | 27,25,285 |
| (e) Paper mills ... ... ... | 2 | 32,00,000 | 31,85,000 |
| (f) Rice mills ... ... ... | 1 | 50,000 | 35,900 |
| (g) Flour mills ... ... ... | 4 | 15,50,000 | 14,50,000 |
| (h) Saw and timber mills ... ... | Nil | Nil | Nil. |
| (i) Other mills and presses ... ... | 1 | 1,00,000 | 1,00,000 |
| Total of Mills and Presses ... | 73 | 10,06,34,625 | 7,79,11,867 |

STATEMENT No. VIII—*concluded.*

*List (Classified Abstract) of Joint Stock Companies at work on 31st March 1909.*

| Classification of company. | Total number. | Aggregate nominal capital. | Aggregate paid-up capital. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | Rs. | Rs. |
| IV.—Tea and other Planting Companies— | | | |
| (a) Tea ... ... ... ... | 118 | 3,55,69,380 | 3,11,77,961 |
| (b) Others ... ... ... | 7 | 26,83,500 | 10,77,795 |
| Total of Tea and other Planting Companies | 125 | 3,82,52,880 | 3,22,55,756 |
| V.—Mining and Quarrying Companies— | | | |
| (a) Coal ... ... ... ... | 119 | 7,09,23,500 | 5,20,37,718 |
| (b) Gold ... ... ... ... | 2 | 8,00,000 | 6,38,410 |
| (c) Others ... ... ... | 16 | 42,23,000 | 17,65,074 |
| Total of Mining and Quarrying Companies | 137 | 7,59,46,500 | 5,44,41,202 |
| VI.—Land and Building ... ... ... | 5 | 22,22,500 | 12,32,000 |
| VII.—Breweries ... ... ... | 1 | 4,00,000 | ..... |
| VIII.—Ice Manufacturing Companies ... ... | 2 | 4,68,254 | 4,67,800 |
| IX.—Sugar Manufacturing Companies ... ... | 4 | 29,50,000 | 17,61,981 |
| X.—Other Companies ... ... ... | 2 | 13,00,000 | 1,01,000 |
| GRAND TOTAL ... ... ... ... | 530 | 47,44,60,459 | 23,05,52,551 |

SYUD ABDUS SALAM,

*The 25th May 1909.* *Registrar of Joint Stock Companies.*

STATEMENT No. IX.

*List (Classified Abstract) of Companies limited by guarantee at work on 31st March 1909.*

| Classification of company. | Total number. | Number of members. |
|---|---|---|
| 1 | 2 | 3 |
| I.—Insurance Companies ... ... | 5 | 1,429 |
| II.—Trading ditto ... ... | 9 | 3,020 |
| III.—Other ditto ... ... | 7 | 814 |

SYUD ABDUS SALAM,

*The 25th May 1909.* *Registrar of Joint Stock Companies.*

STATEMENT No. X.

*Statement of fees realized during the year 1908-09.*

| 1 | Rs. A. 2 |
|---|---|
| Amount of fees realized under Act VI of 1882 ... | 26,251 15 |
| Ditto ditto XXI of 1860 ... | 407 0 |
| Total ... | 26,658 15 |

SYUD ABDUS SALAM,

*The 25th May 1909.* *Registrar of Joint Stock Companies.*

# REPORT ON THE ADMINISTRATION OF THE SALT DEPARTMENT IN BENGAL DURING THE YEAR 1908-09.

NOTIFICATION.

*No. 456S.R.—The 30th July 1909.*—The following extracts from the Report of the Commissioner of Excise and Salt, Bengal, on the administration of the Salt Department in the Province during the year 1908-09, and from the letter of the Board of Revenue reviewing the Report, are published for general information.

H. WHEELER,
*Secy. to the Govt. of Bengal.*

No. 3680R., dated Calcutta, the 20th July 1909.

From—SRIGOPAL BHATTACHARJI, ESQ., M.A., B.L., Secretary to the Board of Revenue, L. P., Miscellaneous Revenue Department,
To—The Secretary to the Government of Bengal, Financial Department.

*Member in charge :*
THE HON'BLE MR. W. C. MACPHERSON, C.S.I., I.C.S.

I AM directed to submit the accompanying report, received from the Commissioner of Excise and Salt, Bengal, on the administration of the Salt Department in the year 1908-09. This report does not cover the preventive operations in Bihar which are still controlled by the Commissioner of the Northern India Salt Revenue, but includes within its scope the preventive work in the districts of Chittagong and Noakhali, which continues to be under the Commissioner of Salt, Bengal.

* * * * * *

4. *Salt bonding arrangement in Calcutta.* * * * In November 1908 the Government of India accepted the necessity for the removal of the salt golas from the Kidderpore Docks and approved of the construction of new golas at Munshiganj on Tolly's Nala. In March last the Collector of Customs reported that he had obtained the consent of the salt bonders to the concentration of the bonding business at Sulkea on the west side of the river; and on the Board's representation to Government that concentration of the bonding at Sulkea had many advantages in economy of initial outlay and in recurring expenditure for supervision, the Government of India, in their order No. 2779Exc., dated the 3rd June 1909, approved of the proposal to abandon the scheme to build golas at Munshiganj and, in lieu thereof, sanctioned the extension of the accommodation at Sulkea. Pending the construction of the permanent golas, sanction has been given to the construction of five temporary golas at Sulkea, in order to meet the increasing demands of the trade. An increase in the rate of rent for bonding salt, viz., from Rs. 3 to Rs. 4 per mensem for every 1,000 maunds, has been made with effect from 1st July 1909.

5. *Credit system for payment of duty on salt.*—The Indian Salt Duties Act, X of 1908, came into force from September 1908, and rules have been made under the Act providing for the payment of duty on salt within a period not exceeding six months from the date on which payment is due, and for the furnishing of security for such payment. Further details for giving effect to credit system are under consideration.

6. *Imports.* * * * There was a continued and considerable increase in the quantity of salt imported into Bengal by sea during the year, as compared with the two previous years, but the quantity of Madras Salt imported by land into Orissa decreased by 13,790 maunds This decrease is attributed by the Salt Commissioner to failure of crops and high prices of food-grains in the district of Cuttack and to the large increase in the import of Madras salt in the previous year.

7. *Consumption and prices.* * * * According to the method of calculation by which the consumption of salt in the province is estimated, * * * the quantity of salt which passed into consumption in the province during the year under review amounted to 85,06,448 maunds as against 82,81,916 maunds in the previous year. There was a slight decrease of 1 anna 8 pies in the average wholesale price per maund of salt, and the average retail price for the province fell from 11 pies a seer in 1907-08 to 10 pies a seer.

8. * * * There was a substantial increase in the number of seizures of illicit salt and in the number of prosecutions under the Salt Laws during the year, as compared with the previous year. In the 24-Parganas, the number of cases under section 9 of Act XII of 1882 was 61 against 38 of the previous year. The increase is ascribed by the Commissioner to the outbreak of salt crime on account of scarcity prevailing in the district. In the districts of the Orissa Division, there was also an increase in the number of cases, and the increase is attributed to the distress prevailing in those districts owing to failure of crops.

9. *Receipts and charges.* * * * The financial results of the year, as compared with those of 1907-08, show an increase of over 4½ lakhs, or 4·2 per cent. in receipts, and of Rs. 20,425, or 4·3 per cent. in expenditure; the net revenue exceeding that of the previous year by 4·2 per cent.

* * * * * *

---

No. 2768., dated Calcutta, the 26th June 1909.

From—The Hon'ble Mr. E. Geake, I.C.S., Commissioner of Excise and Salt, Bengal,
To—The Secretary to the Board of Revenue, L. P., Miscellaneous Revenue Dept.

I have the honour to submit the following consolidated report on the administration of the Salt Department in Bengal for 1908-09. Preventive operations under the Indian Salt Act, XII of 1882, continued to be controlled during the year by the Commissioner of Excise and Salt and operations under Act VII (B.C.) of 1864 by the Board of Revenue.

Charge of Department.

2. Mr. B. Foley was in charge of the Department from the 1st April 1908 to the 26th February 1909. I held charge for the rest of the year.

## CHAPTER I.—GENERAL.

Control of the Salt Department in districts.

3. The administration of the Salt Department in districts underwent no change during the year. Preventive operations in the districts of Noakhali and Chittagong remained under my control at the instance of the Government of Eastern Bengal and Assam and with the concurrence of the Government of Bengal.

* * * * * *

Rate of duty.

6. The rate of duty on salt remained at Re. 1 per maund throughout the year.

Rebate of salt duty for fish-curing.

7. At the instance of the Commissioner of Fisheries an experimental fish-curing yard was established about the close of February 1909 at Dhamra in the district of Balasore, the Raja of Kanika bearing the initial cost of construction of the yard on his own land. Fifty maunds of salt were issued duty-free with the sanction of the Board of Revenue from the bonded warehouses at Chandbali for the use of fishermen in this yard under the supervision of a Sub-Inspector deputed from the Chandbali range. A set of rules was also framed for regulating the work of fish-curing yards, and the same was forwarded to the Fisheries Commissioner for his opinion. On receipt of his suggestions and after consulting the Collector of Customs, Calcutta, the matter will be placed before Government with details of the arrangements under which the concession sanctioned by the Government of India will be worked.

* * * * *

Evacuation of the salt golas at Kidderpore.

9. On the request of the Port Commissioners for the removal of the existing salt golas at the Kidderpore Docks, a scheme for the construction of new salt golas at Munshiganj on Tolly's Nala was framed by the Collector of Customs. After being sanctioned by the Government of India, this scheme was subsequently abandoned by the present Collector of Customs, who proposed instead the extension of the salt warehouses at Sulkea. His chief objection to the Munshiganj scheme was the probability that the estimate of expense, already almost prohibitive, would be largely exceeded. On the other hand, the proposal for extending the warehouses at Sulkea and concentrating all bonding at that place had, in his opinion, the important advantage, besides others, of economy both in initial outlay and in recurring expenditure for supervision. Moreover, it was urged that the proposal had received the unanimous assent of the salt bonders at a conference held for that purpose. The proposal has been accepted by the Board and the Local Government. * * *

Construction of temporary golas at Sulkea.

10. Concurrently with the submission to the Supreme Government of the new project for extending the Sulkea golas, the Board asked for sanction to the immediate erection of additional temporary golas at Sulkea for bonding purposes, the necessity having arisen owing to the arrival of an unusually large quantity of salt, such abnormal importation being due to cheap freight. In anticipation of sanction, the work of constructing three such golas at a cost of Rs. 3,000 each was taken in hand with the approval of the Local Government.

Increase of gola rent.

11. The rate of rent charged for bonded salt both at the Kidderpore and Sulkea golas was increased from Rs. 3 to Rs. 4 per month for every 1,000 maunds of salt with effect from the 1st April 1909. * * * The increased rate was levied in order to recoup the interest on the capital expenditure involved in construction of additional golas and to meet the cost of future maintenance and establishments.

In recognition, however, of the co-operation of the bonders in supporting the more economical scheme at Sulkea, and in the view that it would be reasonable to give a longer period of notice during a transition period before raising the rate of rent, the Board recommended that the existing rent of Rs. 3 should not be raised to Rs. 4 until the 1st July 1909, instead of on 1st April 1909 as sanctioned. The recommendation was supported by the Government of Bengal. * * *

## CHAPTER II.—STOCKS, IMPORTS AND CLEARANCES.

* * * * * *

The stocks of salt in all the golas, both public and private, at the beginning of the year were over 9½ lakhs of maunds more than on the 1st April 1907. The clearances exceeded those of the previous year by more than half a lakh of maunds. In addition to the closing balance there were at the close of the year 4,13,841 maunds of salt lying afloat in the port of Calcutta against 3,63,100 maunds at the end of 1907-08.

The percentage of total importations of salt bonded in the Sulkea and Kidderpore golas was 76, the same as in the previous year. The importations were the largest ever received at the port of Calcutta, and the quantity bonded was greater than in any of the past five years.

Imports.

13. * * * The importations show an increase of 4·6 per cent. over last year, the largest quantity coming from the United Kingdom, then from Spain, Salif, Aden, Bombay and Germany in the order named. The quantity imported from the United Kingdom increased by over 2 lakhs of maunds. Salif salt has quite maintained its position and with Spanish salt enjoys the greatest popularity in the market. There was no Madras salt imported during the year owing, it is said, to increased demand for it in the local market.

14. * * * In Calcutta the sales from the importing vessels direct and from bond show an increase of 13·8 and 1·5 per cent., respectively; 21 per cent. was sold from shipboard and 79 per cent. from bond against 19 and 81 per cent., respectively, in the previous year. Of the vessels carrying salt into Calcutta during the year 99 per cent. were steamers.

Sales of imported salt from shipboard and bond.

15. The total salt transactions at the Sulkea and Kidderpore golas for the last five years are shown below:—

Transactions in the Sulkea and Kidderpore Dock golas.

| Years. | Maunds. |
|---|---|
| 1904-05 ... ... ... ... ... | 1,62,70,908 |
| 1905-06 ... ... ... ... ... | 1,67,67,724 |
| 1906-07 ... ... ... ... ... | 1,77,57,526 |
| 1907-08 ... ... ... ... ... | 1,92,86,421 |
| 1908-09 ... ... ... ... ... | 1,95,75,642 |

No difficulty was experienced in providing bonding accommodation until the end of the year when heavy importations necessitated the use of all available storage space. The quantity of salt handled at Sulkea in maunds was 1,44,70,324 against 1,29,25,489 in the preceding year, and at Kidderpore 51,05,318 against 63,60,932.

The Kidderpore golas received 25 per cent. of the total quantity bonded against 30 per cent. in the previous year.

Two new pontoons were completed at Sulkea and put into use. The scale jetty was also extended and a small pontoon added so as to make one alignment. A third pontoon has been sanctioned and is in course of construction.

* * * * * *

17. There were only two bonded warehouses in the province as in the previous year, both being situated at Chandbali in the district of Balasore and owned by Messrs. Turner, Morrison and Company. The quantity of salt despatched to these warehouses as well as to the bonded warehouses transferred to the new province was 10,92,690 maunds (10,74,690 maunds from shipboard and 18,000 maunds from golas in Calcutta) against 14,31,464 maunds (11,44,646 maunds from shipboard and 2,86,818 maunds from golas in Calcutta) in the previous year. The quantity of salt despatched to the warehouses at Chandbali alone from shipboard amounted to 1,41,330 maunds against 1,20,240 maunds in the previous year, showing an increase of 18 per cent.

Inland bonded warehouses.

* * * * * *

20. The quantity of Madras karkatch and refined salt imported into Orissa during the year was 11,80,739 maunds against 11,94,529 maunds in the previous year, a decrease of 13,790 maunds. This is attributable to failure of crops and high prices of food-grains in the district of Cuttack. The large increase in the import of Madras salt in the previous year is also to some extent responsible for the decreased import.

Import of Madras salt into Orissa by land.

* * * * * *

21. The figures given below show the consumption of Bombay salt in the Tributary States during the last four years. The salt is imported by the Bengal-Nagpur Railway:—

Import of Bombay Salt.

| | 1905-06. | 1906-07. | 1907-08. | 1908-09. |
|---|---|---|---|---|
| | Mds. | Mds. | Mds. | Mds. |
| Jharsaguda ... | 7,404 | 26,336 | 13,599 | 7,675 |
| Sambalpur ... | 32,354 | 43,370 | 31,228 | 27,229 |
| Total ... | 39,758 | 69,706 | 44,827 | 34,904 |

There was a decrease of 9,923 maunds in the consumption of Bombay salt as compared with the previous year, but the decrease was more than balanced by the increase of 15,030 maunds in the consumption of Madras salt in those States.

## CHAPTER III.—CONSUMPTION AND PRICES.

Consumption in Bengal.

22. The total quantity of salt which passed into consumption in the Province during the year under report was 85,06,448 maunds. This is exclusive of 27,98,876 maunds, the net export by land, but inclusive of 24,112 maunds educed from saltpetre.

* * * * * *

Prices of salt in Bengal generally.

24. * * * There was a slight decrease of 1 anna 8 pies in the average wholesale price per maund, which is attributable to ordinary fluctuations. The retail prices in the saliferous districts, for which alone information is available, remain the same as in the previous year, the price per seer ranging from 9 pies to 1 anna 3 pies.

Exclusive of duty the average wholesale price of Liverpool salt per 100 maunds as sold from the ship's side in the port of Calcutta was Rs. 50-0-2 against Rs. 54-7-4 in 1907-08.

## CHAPTER IV.—PREVENTIVE MEASURES.

Attachments, releases and confiscations in the saliferous districts, including Orissa.

25. Illicit salt was attached and confiscated in 457 and 481 cases against 99 and 93 cases, respectively, in the previous year. The quantities attached and confiscated were, respectively, 51 and 48 maunds against 7 and 4 maunds during the year 1907-08. There was thus an increase of 44 maunds in the quantity attached. No salt was released during the year.

Number of seizures and unsuccessful house-searches.

26. The total number of seizures of salt or salt-earth was 472 against 137 in the previous year. There were two unsuccessful house-searches against nil in the previous year.

27. * * * * * *

Number of cases instituted under Act VII of (B.C.) 1864 and XII of 1882.

In the 24-Parganas, the number of prosecutions was 61 against 38. The increase is ascribed to the outbreak of salt crime on account of scarcity prevailing in the district. In Howrah, there was one case against nil during the previous three years. No cases were sent up in Midnapore, Khulna, Chittagong and Noakhali. In Cuttack, there were 43 cases against 11 in the previous year, in Balasore 23 cases against 9, while in Puri there were 27 cases against nil in the previous year. The increase is attributed to the distress prevailing in these districts owing to failure of crops. It is reported from Cuttack that illicit salt manufactured in Puri was freely imported into that district. Repressive measures were relaxed in Puri owing to prevailing scarcity, and the poorer classes took immediate advantage of this leniency. Experience in Orissa leads to the conclusion that the salt force cannot be reduced without danger to the revenue.

There were no cases under section 5 of Act VII (B.C.) of 1864 and no cases were reported by the Police under Act XII of 1882.

Thirty-seven opium cases were detected by Salt officers against 17 in the previous year. Eight cases of illicit distillation in the 24-Parganas and 1 in Khulna, 3 cases of illicit sale of *ganja* in Howrah, 1 in Midnapore and 4 in Khulna, as well as 6 *tari* cases in Howrah were detected by Salt officers. Assistance generally was rendered to the Excise Department in detection and inspection work and the salt establishments rendered useful service in other respects in some districts.

28. The fines and forfeitures realized were Rs. 314 and the rewards paid Rs. 629 against Rs. 232 and Rs. 296 in the previous year.

Fines, forfeitures and rewards.

29. * * * * * *

Manner in which cases under Act XII of 1882 were disposed of.

There were 662 cases for disposal during the year against 249 in the previous year. Of these, 279 were written off as unsustainable, 228 were dealt with departmentally and 155 were sent up for trial. As compared with the previous year, there was an increase of 269 detected cases and 150 undetected cases.

## CHAPTER V.—FINANCIAL RESULTS.

30. * * * The results of the year, as compared with 1907-08, show an increase of Rs. 4,57,411 or 4·2 per cent. in receipts and of Rs. 20,425 or 4·3 per cent. in expenditure, the net revenue being Rs. 1,07,57,737 which exceeds that of the previous year by Rs. 4,36,986, or 4·2 per cent. The charges do not include a proportionate share of the cost of the Customs Preventive Service, which is largely employed in safeguarding the salt revenue. The increase in receipts, Rs. 4,57,411, occurs mainly under the heads "Import Duty on Salt" and "Rent of Warehouses" and is due to the importation of a larger quantity of salt.

Receipts and charges.

* * * * * *

## CHAPTER VI.—MISCELLANEOUS.

* * * * * *

33. The quantity of salt educed in the manufacture or refinement of saltpetre during the year and removed on payment of duty from all the refineries in Bengal was 24,112 maunds against 18,104 in the previous year.

Trade in saltpetre in Bengal.

34. There were three licensed saltpetre refineries—one at Soorah and two at Kakurgachi—against two in the previous year. The refinery at Soorah and one at Kakurgachi educe salt from saltpetre; the other merely purifies saltpetre.

Saltpetre refineries in Calcutta and its environs.

35. The quantity of refined saltpetre produced in the refineries was 11,151 maunds against 8,237 maunds in the previous year. The quantity of salt educed rose from 753 maunds to 1,145 maunds, and the quantity of *sitta* or impure salt left in the course of refinement was 1,381 maunds against 784 maunds in the previous year. Three hundred and forty-eight maunds of educed salt and 10 maunds of *sitta* were sold during the year. The license-fees realized from the three refineries amounted to Rs. 150 and the duty recovered was Rs. 353.

Work done in the Calcutta refineries.

## REPORT ON THE WORKING OF THE GOVERNMENT STEAM TRAWLER *GOLDEN CROWN* FOR THE QUARTER ENDING 30TH JUNE 1909.

THE following report is published for general information.

C. G. H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

CALCUTTA,
*The 31st July 1909.*

DURING the quarter under review the *Golden Crown* made two voyages to the Bay of Bengal. For the nine months ending 30th June, fifteen voyages were made, giving an average of five voyages per quarter, or 1⅔ per month.

The dates of the voyages for the current quarter were:—

1. March 30th to April 7th.
2. April 15th to 25th.

Since 28th April the *Golden Crown* has been in dry dock for sundry repairs.

### DETAILS OF JOURNEYS.

Both voyages made during this quarter were to the west side of the Bay. The first voyage was almost entirely devoted to trawling in the neighbourhood of Gopalpur: for the most part in depths of about 26 fathoms in *coral* ground. The second voyage, which was to some extent interfered with by heavy weather, was to the Orissa coast in depths of from 23 to 25 fathoms. Altogether the trawler was away from harbour on the first voyage nine days, and on the second eleven days; twenty days in all. On the first voyage there was five days' actual fishing, and on the second six and three quarter days.

### WEIGHT AND DESCRIPTION OF FISH LANDED.

The total weight of fish landed was:—

| | | lbs. |
|---|---|---|
| 1st voyage | ... | 18,262 |
| 2nd ,, | ... | 25,736 |
| Total | ... | 43,998 |

In addition, two turtles were caught on the first trip and three on the second.

The details of the fish are as follows:—

| | (Weight in lbs.) 1st trip. | 2nd trip. |
|---|---|---|
| Whiting | 3,695 | 3,612 |
| Gurnards | 2,821 | 5,585 |
| Begtis | 5,422 | 2,965 |
| Red Flats | 749 | ... |
| Prawns | 469 | 2,449 |
| Small flats | 1,827 | 1,636 |
| Pomfrets | 185 | 580 |
| Conger Eels | 585 | 6,447 |
| Halibut | 281 | 171 |
| Skate | 1,946 | 1,748 |
| Soles | 139 | 294 |
| Smelts | 143 | 125 |
| Mackerel | ... | 124 |
| Total | 18,262 | 25,736 |

In all 19 tons 12 cwts. 3 qrs. 10 lbs.

COMPARISON WITH PREVIOUS QUARTERS.

As regards the catch per voyage or catch per day's fishing, the present quarter shows a decided improvement and very possibly still better results may be obtained by going further south.

In all 19 tons 12 cwts. were caught as a result of 11¾ days' fishing. This gives an average daily catch of nearly 33·4 cwts., as compared with 23 cwts. for the previous quarter, and for each day's absence from port an average of 19 6 cwts., as against 13·8 for the previous quarter. The average duration of voyages was 10 days; for the quarter ending March 31st it was 8·84 days.

A chart showing the results of the voyages of the *Golden Crown* has been prepared and a copy may be had on application to the Commissioner of Fisheries, 18, Royd Street, Calcutta.

J. TRAVIS JENKINS,

*Fishery Advisor to Bengal Government.*

## WEATHER AND CROP REPORT.

*For the week ending the 2nd August 1909.*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 2·08 | 8¼ | 8¼ | Weather hot. Transplantation of paddy seedlings going on, but more rain badly needed. Harvesting of jute commenced at places. Condition of *aus* paddy and sugarcane good. No scarcity of food-grains and fodder. Cattle-disease reported from Sahibganj thana. |
| 2 | BIRBHUM ... | 2·01 | 8½ | 9 | Rainfall at Rámpur Hát 4·00 inches. Paddy seedlings being transplanted. More rain still wanted. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 1·72 | 9 | 9¼ | Rainfall at Vishnupur 2·12 inches. Weather seasonable. Transplantation of *aman* paddy going on. More rain wanted. Sugarcane doing well. Cattle-disease reported from Bankura thana. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 2·33 | 9 | 9 | Rainfall at Contai 3·13, at Tamluk 2·08, and at Ghatal 0·47 inches. Transplantation of winter rice going on except in the Ghatal subdivision, where it is retarded owing to insufficient rain. Prospects of autumn rice and jute fair. Cattle-disease in thana Contai. Fodder and water sufficient. Common rice selling at 11 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 1·63 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. Prospects of jute and *aus* paddy fair. Transplantation of *aus* paddy continuing. More rain wanted. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 1·13 | 8 | 9 | Transplantation of winter rice progressing. More rain badly wanted for transplantation on high lands. Prospects of jute, *aus* paddy and sugarcane fair. Fodder and water and food-grains sufficient. |
| 7 | 24-PARGANAS | 1·57 | 9 | 9 | Weather seasonable. Prospects of jute good. Common rice selling at 9 seers per rupee at Barrackpur, at 8 seers at Barasat, and at 9⅜ seers at Diamond Harbour. |
| 8 | NADIA ... | 3·89 | 8 9/16 | 8 9/16 | Rainfall at Ranaghat 1·19, at Chuadanga 2·87, at Kushtia 2·38, and at Meherpur 5·09 inches. Prospects of standing crops improved by recent rain. Harvesting of *aus* paddy on lowlands continuing. More rain wanted for transplantation of *aman* paddy. Insects still doing damage to *aus* paddy in the Ranaghat subdivision and to jute in the Ranaghat and Meherpur subdivisions. Weather generally favourable for jute. Condition of the crop good. Harvesting of jute continuing in the Kushtia subdivision, but water wanted for steeping jute. Prices of staple food-grains stationary. Stocks of food-grains and fodder and water sufficient. Cattle-disease prevailing in the Meherpur subdivision. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches | | | |
| 9 | MURSHIDABAD | 3·06 | 8 | 8 | Weather seasonable. Rainfall at Kandi 2·04, at Lalbagh 4·05 and at Jangipur 2·81 inches. More rain wanted in the Sadar, Lalbagh and Kandi subdivisions. Condition of sugarcane, mulberry and *bhadoi* crops fair. Harvesting of *bhadoi* crops commenced in the Lalbagh subdivision. *Bhadoi* paddy on low lands in the Jangipur subdivision being submerged owing to the rise of the river. Transplantation of *aman* paddy going on. Jute prospering everywhere, but more rain wanted for it. Fodder and water sufficient. Cattle-disease reported from thana Bharatpur of the Kandi subdivision. Condition of agricultural stock good. |
| 10 | JESSORE ... | 4·52 | 9¾ | 9 11/16 | Rainfall at Jhenidah 2·11, at Magura *nil*, at Narail 3·47 and at Bangaon 2·27 inches. Weather seasonable. Rainfall general. More rain wanted. Harvesting of *aus* paddy and jute going on in places. Their prospects good. Condition of jute favourable. Stocks of food-grains and fodder and water sufficient. Condition of agricultural stock good. Cattle-disease reported from the Jhenidah, Narail and Bangaon subdivisions. |
| 11 | KHULNA ... | 2·35 | 10 | 10 | Rainfall at Bagerhat 3·02 and at Satkhira 3·08 inches. Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of winter rice progressing. No apprehension of famine. Prospects of standing crops and of jute fair. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 0·51 | 8½<br>13* | 8½<br>13* | Weather cloudy and warm. Rivers in the east of the Bihar subdivision in flood. No report received regarding damage done. Standing *bhadoi* crops and sugarcane doing well. Transplantation of paddy in progress. Stocks of food-grains sufficient. Condition of agricultural stock good. Fodder and water for cattle sufficient. Cattle-disease reported from two villages in one thana. Veterinary Assistant of the Barh subdivision directed to take prompt action. |
| 13 | GAYA ... | 2·04 | 9 15/16†<br>12¾* | 9⅞†<br>12½* | Weather cloudy. *Bhadoi* crops good. Sugarcane doing well. Transplantation of paddy going on. Rainfall general. Prices falling. Fodder and water for cattle sufficient. Cattle-disease reported from one village in the Aurangabad subdivision. |
| 14 | SHAHABAD ... | 1·21 | 9½†<br>12* | 9¼†<br>10* | Rainfall at Sasaram 3·36 and at Bhabhua 2·07 inches. Sugarcane and *bhadoi* crops doing well. Transplantation of paddy continuing. Prices of food-grains stationary. Food-stocks below the normal. Condition of agricultural stock fair. Fodder and water sufficient. |
| 15 | SARAN ... | 0·80 | 9½<br>14½* | 9<br>13¾* | Weather hot and cloudy. Transplantation of paddy and weeding of *bhadoi* crops going on. Paddy and *bhadoi* crops doing well. Prices of staple food-grains stationary. Condition of agricultural stock fair. Cattle-disease reported from Mairwa and Darauli. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 1·74 | 9½<br>15* | 9<br>14½* | Weather seasonable. Rainfall at Bettiah 2·97 inches. More rain wanted. Condition of crops excellent. Transplantation of *aghani* paddy and weeding of *bhadoi* crops going on. Fodder and water sufficient. Cattle-disease reported from some villages in Shikarpur, Bhoura, Bettiah and Lauria. |
| 17 | MUZAFFARPUR | 0·37 | 9<br>13* | 8¾<br>13* | Weather seasonable. Rainfall at Sitamarhi 1·30 and at Hajipur 1·04 inches. Prospects of all standing crops including jute excellent. Transplantation of winter rice in progress. Common rice and *makai* selling at 8 and 12¾ seers a rupee, respectively, at Sitamarhi, and at 8 and 12 seers a rupee, respectively, at Hajipur. Fodder and water sufficient. Cattle-disease reported in Mahwa, Sahebganj and Sakra thanas. 609 persons relieved gratuitously on Thursday, the 29th July, after which date all relief operations closed. |
| 18 | DARBHANGA ... | 0·20 | 9<br>13½ | 9<br>13½ to 14* | Weather hot and cloudy. The rainfall of the week will be very beneficial. Transplantation of paddy in progress. Prospects of crops excellent. Food-stocks sufficient. Fodder and water available. No relief-works opened during the week. Number of persons gratuitously relieved on the 29th July—20,305. All relief operations finally closed with effect from the 31st ultimo. *Makai* selling at 13½ seers per rupee in the Darbhanga bazar, and at 12 seers in the interior. |
| 19 | MONGHYR ... | 0·69 | 7½ to 8<br>12* | 8<br>1[illegible]* | Occasional showers. Weather hot and oppressive. Bright sunshine. Harvesting of *cheena*, *marua* and *makai* going on. Weeding of *bhadoi* crops continuing. Transplantation of paddy continuing. Prospects of *bhadoi* crops good. Prices stationary. No cattle-disease. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 0·33 | 8¼<br>12⅝* | 8 3/16<br>12⅝* | Weather seasonable. Jute doing well. Harvesting of *marua* going on in the Supaul and Madhipura subdivisions, and that of *bhadoi* paddy progressing in the Supaul subdivision. Present condition of standing crops very good. Transplanting of *aghani* paddy going on. No apprehension of scarcity at present. Cattle-disease reported from one village in the Supaul subdivision and from the Madhipura police-station. Condition of agricultural stock good. Fodder and water sufficient. Prices of food-grains stationary. New *marua* selling at 25 seers per rupee. |
| 21 | PURNEA ... | 0·76 | 8½ | 8 | Rainfall at Kishanganj 1·35 and at Araria 2·85 inches. Weather very hot and occasionally cloudy. More rain badly wanted for transplantation of *aghani* paddy. Harvesting of jute and of *bhadoi* paddy going on in the Sadar and Araria subdivisions. Prospects of *bhadoi* paddy and jute generally favourable. Cattle-disease reported from thanas Hadwa, Raniganj and Forbesganj. Fodder and water sufficient. Common rice selling at 8½ seers per rupee at Kishanganj and at 8 seers at Araria. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 3·49 | 8<br>12* | 8<br>13* | Rainfall at Siliguri 2·29 inches. Weather seasonable. Hills—maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Transplantation of winter rice in progress. Prospects of jute and other standing crops fair. Stocks of food-grains sufficient. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 2·68 | 9½<br>13* | 9¼<br>12* | Rainfall at Deoghar 1·42, at Godda 3·65, at Jamtara 1·43, at Pakour 1·46 and at Rajmahal 1·72 inches. More rain wanted. Transplantation of paddy going on.. Maize thriving. Prospects of jute unfavourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Stray cases of cattle-disease reported at the Sadar subdivision. Fodder and water sufficient. |
| 24 | CUTTACK ... | 6·75 | 10½ | 10½ | *Laghu biali* paddy ripening and *guru beali* paddy in flower. *Saradh* paddy being weeded and transplanted. Jute, sugarcane and early cotton growing well. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 3·60 | 11½ | 11½ | Weather seasonable. Rainfall at Bhadrak 3·78 inches. Puddling and transplantation of *saradh* paddy continuing. *Beali* paddy in ear. Jute thriving and its condition favourable. Sugarcane and *bhadoi* crops thriving. Vegetables doing well. Prospects good. Floods in the Burabolang river, but no damage reported. No cattle-disease. Fodder and water sufficient. Common rice selling at 11½ seers a rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 1·95 | 16¼ | 15 | Rainfall at Phulbani 3·40 inches. Weather cloudy. Puddling and transplanting of winter paddy in full swing. More rain wanted in the Sadar subdivision. Condition of agricultural stock good. Common rice selling at 12 seers a rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 0·83 | 9 3/16 | 8½ | Rainfall at Khurda 2·10 inches. Transplantation and weeding of *saradh* paddy going on. *Beali* paddy, *mandia* and sugarcane doing well. Other miscellaneous crops, such as jute, cotton, *til* and *rahar*, thriving well. No cattle-disease. Common rice selling at 10½ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 7·72 | 11⅔ | 11¼ | Weather cloudy with daily rainfall. Thinning and transplantation of winter rice and weeding of autumn rice continuing. Sowing of *urid* and *til* commenced. Sugarcane being tied. Its condition good. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest reported. Cheapest common rice selling at 15 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 0·78 | 8¼<br>12½* | 8½<br>14½* | Weather seasonable. Standing crops doing well. Transplantation of paddy being retarded in some places for want of rain. Food stocks and fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 4·34 | 8 | 8½ | Weather cloudy. Transplantation of paddy in progress. Standing crops doing well. Some cases of cattle-disease reported from four thanas. Fodder and water sufficient. |
| 31 | PALAMAU ... | 3·57 | 8¼ | 8 1/16 | Weather seasonable. Transplantation of paddy continuing. Standing crops doing well. Fodder and water sufficient. Cattle-disease reported from one thana. Relief operations in pargana Japla being closed. |
| 32 | MANBHUM ... | 2·54 | 10 | 9 | Weather seasonable. State of standing crops good. Transplanting of winter rice continuing. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Stocks of food-grains adequate. Prices of staple food-grains almost stationary. Common rice selling at 8½ seers a rupee at Dhanbaid. |
| 33 | SINGHBHUM ... | 2·33 | 8 | 9 | Weather seasonable. Transplantation of paddy going on. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers a rupee at Kharsawan and Seraikella, respectively. |
| 34 | COOCH BEHAR | 0·17 | 7 3/11 | 7 3/11 | Weather hot and cloudy. Transplanting of *haimantik* paddy seedlings and harvesting of *bitri* paddy continuing. Condition of jute fair. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 1·42<br>Baramba ... 1·22<br>Baud ... 2·03<br>Bonai ... 2·04<br>Daspalla ... 2·37<br>Dhenkanal ... 0 51<br>Gangpur ... 2·54<br>Hindol ... 0·62<br>Kalahandi ... 4·52<br>Keonjhar ... 1·53<br>Khandpara ... Good rain for 2 days.<br>Mayurbhanj ... 1·32<br>Narsinghpur ... 1·06<br>Nayagarh ... 2·14<br>Nilgiri ... 0·28<br>Patna ... 2·03<br>Ratrakhol ... 1·82<br>Ranpur ... 1·37<br>Sonpur ... 3·85<br>Transplantation and reploughing of lands continuing. Standing crops doing well. Fodder and water sufficient. Price of common rice varying from 10 seers in Mayurbhanj and 12 seers in Narsinghpur and Nilgiri to 16 seers in Bonai and Dhenkanal and 17 seers in Patna. |

* The report is for the week ending the 24th July 1909.

GENERAL SUMMARY.—The rainfall during the week was heavy in Cuttack and Sambalpur, moderate in parts of the Presidency Division as well as in parts of Birbhum, Midnapore, Shahabad, Darjeeling, Balasore, Angul, Ranchi and Palamau, and light elsewhere. Transplantation of winter rice continues, but its progress is being retarded in parts of Midnapore, in Burdwan and Hazaribagh for want of sufficient moisture. More rain is wanted in Lower Bengal and also in Champaran, Purnea, the Sonthal Parganas and Angul. Sugarcane, jute and other autumn crops are doing well. Harvesting of jute has commenced in parts of Burdwan, Nadia and Purnea. Insects are still doing injury to jute and autumn paddy in Nadia. The price of common rice has risen in Birbhum, Bankura, Howrah, Hazaribagh, Ranchi and Singhbhum, and has fallen in Jessore, Gaya, Shahabad, Saran, Champaran, Muzaffarpur, Bhagalpur, Purnea, the Sonthal Parganas, Angul, Puri, Sambalpur, Palamau and Manbhum. The supply of fodder and water is sufficient all over the Province. Cattle-disease is reported from Burdwan, Bankura, Midnapore, Nadia, Murshidabad, Jessore, Patna, Gaya, Saran, Champaran, Muzaffarpur, Bhagalpur, Purnea, the Sonthal Parganas, Angul, Sambalpur, Ranchi and Palamau. The number of persons on gratuitous relief in Muzaffarpur and Darbhanga was 20,914. It is reported, however, from Muzaffarpur and Darbhanga that all relief operations were closed finally with effect from the 30th and 31st July, respectively. Relief operations are also being closed in pargana Japla in the district of Palamau.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 3rd August 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of June 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | 6,544 | 6,757 | 29,824 | 31,017 | 2,784 | 2,841 | 3,848 | 7,930 | 3,573 | 65,177 | 2,074 | 3,965 |
| Kendrapara ditto ... | 753 | 10,113 | 114 | 46,918 | 608 | 8,138 | 780 | 9,981 | 338 | 37,917 | 595 | 5,848 |
| High Level, Range I | 523 | 1,874 | ..... | 14,323 | 278 | 1,241 | 940 | 3,438 | 150 | 24,894 | 488 | 1,904 |
| High Level, Range II | 79 | 436 | 250 | 20,438 | [illegible] | 169 | 95 | 584 | 649 | 4,452 | 25 | 166 |
| High Level, Range III | 3 | 89 | 5,160 | 10,218 | 13 | 62 | 29 | 55 | 240 | 1,675 | 8 | 26 |
| Jajpur Canal * ... | 130 | 306 | ..... | 3,551 | 138 | 172 | 148 | 453 | ..... | 2,058 | 47 | 89 |
| Total Orissa Canals | 8,032 | 19,575 | 35,348 | 126,465 | 3,843 | 12,623 | 5,840 | 22,441 | 4,950 | 136,173 | 3,237 | 11,998 |
| Midnapore Canal ... | 7,566 | 23,928 | Nil | 6,482 | 3,462 | 10,857 | 7,474 | 24,376 | 1,178 | 5,823 | [illegible] | 9,012 |
| Hijili Tidal Canal ... | 9,267 | 31,970 | 245 | 2,300 | 6,572 | 23,108 | 4,843 | 17,452 | 600 | 1,610 | 3,611 | 13,392 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 655 | 3,456 | 25,747 | 537,458 | 773 | 4,423 | 81 | 638 | 29,442 | 275,599 | 148 | 877 |
| Arrah ditto ... | 164 | 376 | 96,399 | 526,709 | 520 | 1,898 | 12 | 273 | 102,570 | 589,404 | 155 | 1,378 |
| Buxar ditto ... | 558 | 1,276 | 23,236 | 215,242 | 408 | 1,287 | 31 | 271 | 9,416 | 86,534 | 49 | 353 |
| Total Sone Canals ... | 1,377 | 5,108 | 145,382 | 1,279,409 | 1,701 | 7,608 | 124 | 1,182 | 141,428 | 951,537 | 352 | 2,608 |
| Grand Total ... | 26,242 | 80,581 | 180,975 | 1,414,656 | 15,578 | 54,196 | 18,281 | 65,451 | 148,156 | 1,095,143 | 10,028 | 37,010 |

Calcutta,
*The 2nd August 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of June 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month | To end of the month. | During the month. | To end of the month. | During the month | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 28,846 | 95,060 | 3,557 | 13,097 | 18,319 | 60,056 | 29,262 | 99,964 | 3,135 | 10,980 | 21,024 | 65,954 |
| Tolly's Nala ... ... | 18,602 | 57,343 | 830 | 2,375 | 6,01[illegible] | 18,521 | 17,527 | 57,243 | 1,984 | 2,934 | 5,541 | 17,598 |
| Madaripur Bhil Route ... | 2,754 | 6,467 | 55 | 560 | 1,280 | 3,161 | 3,079 | 3,079 | 1,302 | 1,302 | 1,356 | 1,356 |
| Total ... | 50,202 | 158,870 | 4,442 | 16,032 | 25,613 | 81,738 | 49,868 | 160,286 | 6,421 | 15,216 | 27,921 | 84,908 |
| Orissa Coast Canal ... | 4,313 | 14,673 | 525 | 15,420 | 1,422 | 4,769 | 2,185 | 8,034 | 95 | 6,520 | 982 | 3,127 |
| Nadia Rivers ... | 7,072 | 17,041 | 32,457 | 32,688 | 1,299 | 4,971 | 2,697 | 9,117 | 2,555 | 3,415 | 506 | 2,798 |
| Grand Total ... | 61,587 | 190,584 | 37,424 | 64,140 | 28,334 | 91,478 | 54,750 | 177,437 | 9,071 | 25,151 | 29,409 | 90,833 |

Calcutta,
*The 2nd August 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 31st July 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 31st July 1909. | | | Week ending Saturday, the 1st August 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 435 | 40,[illegible] | 618 | 552 | 60,328 | 729 |
| Jute ... ... | 35 | 44,[illegible]7* | 163 | 73 | 19,683 | 295 |
| Firewood ... ... | 32 | 2[illegible]00 | 380 | 86 | 64,150 | 968 |
| Other articles ... ... | 520 | 1,7[illegible]98 | 1,945 | 692 | 1,98,454 | 2,096 |
| Total ... | 1,022 | 2,87,809 | 3,106 | 1,403 | 3,42,615 | 4,088 |

* Weight by canal measurement, 52,062½ maunds.

CALCUTTA,
*The 3rd August 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 25th to 31st July 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | | | | Inches | |
| July | 25th | 136·4 | 0·6 | 29·526 | 79·8 | 83·7 | 6·4 | 77·3 | 77·5 | 0 915 | 76·5 | 90 | E ESE and SE ... | 203 | 0·17 | Chiefly cloudy, o, g, d, p. |
| " | 26th | 142 6 | 4·5 | 600 | 81·4 | 85·2 | 8·0 | 77·2 | 77·9 | ·910 | 76·4 | 85 | ESE, S and SSE... | 160 | 0·23 | Partially cloudy, o, d. |
| " | 27th | 140·5 | 6·6 | ·513 | 82·8 | 88·7 | 10·9 | 77·8 | 79·3 | ·956 | 77·9 | 86 | SSE and SSW ... | 73 | 0·29 | Partially cloudy. |
| " | 28th | 150·4 | 9 2 | ·574 | 84·8 | 91·2 | 12·3 | 78·9 | 79·7 | ·949 | 77 6 | 80 | SSW and E by S | 81 | Nil | Partially cloudy, o, d, t, < |
| " | 29th | 153·0 | 3·8 | 501 | 84·1 | 91·0 | 11·8 | 79·2 | 80·0 | ·971 | 78·3 | 81 | SSW and variable | 47 | 0·21 | Partially cloudy. |
| " | 30th | 145·9 | 1·6 | ·510 | 82·7 | 88·9 | 8 6 | 80·3 | 79·2 | ·954 | 77·8 | 85 | SSW and E ... | 84 | Nil | Chiefly cloudy, o, d. |
| " | 31st | 126·4 | 0 2 | ·497 | 81·3 | 85·2 | 7 2 | 78·0 | 78 6 | ·945 | 77·5 | 90 | E, ENE and SE ... | 266 | 0·22 | Chiefly cloudy, o, d, p, t, ✓ |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·550 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·541 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 26 5 |
| The maximum possible number of hours of sunshine ... ... ... | 92·3 |
| | ° |
| The mean temperature of the seven days ... ... ... | 82·4 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·1 |
| The extreme variation of temperature ... ... ... ... | 14·0 |
| The maximum temperature ... ... ... ... ... | 91·2 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 17 |
| | % |
| The mean relative humidity ... ... ... ... ... | 88 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| The total fall of rain from 25th to 31st July 1909 ... ... ... | 1·12 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·80 |
| The total fall from 1st January to 31st July 1909 ... ... ... | 43·14 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 34·70 |

The mean pressure, temperature, etc., are deduced from the traces of the Barograph and Thermograph and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V. of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; t, thunder; <, lightning; d, drizzling rain; p, passing temporary showers; ✓, strong wind.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 2nd August 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 17th July 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 502,716 | 4,11,780 0 0 | 54,45,775 0 | 8,93,870 0 0 | 44,177 0 0 | 13,49,827 0 0 | 158,902 | 180,466 | 339,368 |
| Or per mile of railway ... | ..... | 179 10 1 | ..... | 389 14 11 | 19 4 4 | 588 13 4 | ..... | ..... | ..... |
| For previous 1½ weeks of half-year | 798,968 | 6,33,303 0 0 | 89,76,828 0 | 14,23,529 0 0 | 67,395 0 0 | 21,23,227 0 0 | 237,290 | 252,488 | 489,778 |
| Total for 2½ weeks ... | 1,301,684 | 10,45,083 0 0 | 1,43,22,603 0 | 23,16,399 0 0 | 1,11,572 0 0 | 34,73,054 0 0 | 396,192 | 442,954 | 839,146 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 519,876 | 4,37,456 4 3 | 68,40,536 0 | 10,09,383 12 3 | 32,241 12 11 | 14,89,181 13 5 | 156,719 | 229,188 | 385,907 |
| Per mile of railway corresponding week of previous year. | ..... | 190 13 4 | ..... | 440 5 2 | 18 7 6 | 649 10 0 | ..... | ..... | ..... |
| Total for corresponding 2½ weeks of previous year. | 1,426,736 | 11,42,081 9 8 | 1,77,28,856 0 | 26,76,791 14 9 | 95,100 9 7 | 39,13,974 2 0 | 409,616 | 576,845 | 983,461 |

(a) Decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,33,303 | 89,76,828 | 14,23,529 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th „ ... | 502,716 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| | Totals up to date ... | 1,301,684 | 10,45,083 | 1,43,22,603 | 23,16,399 | 1,11,572 | 34,73,054 | 634 | 829,146 | 4 3 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,67,468 | 55,759 | 24,27,793 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th „ ... | 591,876 | 4,37,456 | 68,40,537 | 10,09,384 | 43,342 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| | Totals up to date ... | 1,426,736 | 11,42,081 | 1,77,28,856 | 26,76,792 | 98,101 | 39,16,974 | 664 | 983,461 | 3 15 9 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 17th July 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the period ... | 26,502 | 5,165 0 0 | 11,793 0 | 490 0 0 | 10 0 0 | 5,665 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway. ... ... | ... | 232 8 10 | ... | 22 1 0 | 0 7 3 | 255 1 1 | ... | ... | ... |
| For previous 1½ weeks of half-year | 39,186 | 9,346 0 0 | 14,903 0 | 647 0 0 | 14 0 0 | 10,007 0 0 | 1,912 | 200 | 2,112 |
| Total for 2½ weeks ... | 65,688 | 14,511 0 0 | 26,695 0 | 1,137 0 0 | 24 0 0 | 15,672 0 0 | 3,249 | 359 | 3,608 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 31,932 | 7,104 8 3 | 38,764 0 | 798 1 0 | 8 10 6 | 7,911 8 9 | 1,342 | 154 | 1,496 |
| Per mile of railway corresponding week of previous year ... ... | ... | 319 14 1 | ... | 35 14 11 | 0 6 3 | 356 3 3 | ... | ... | ... |
| Total for corresponding 2½ weeks of previous year ... ... ... | 81,587 | 18,755 5 8 | 66,201 20 | 1,390 7 0 | 20 4 3 | 20,266 0 11 | 3,520 | 396 | 3,916 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,196 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th „ ... | 26,502 | 5,165 | 11,793 | 940 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| | Totals up to date .. | 65,698 | 14,511 | 26,695 | 1,137 | 24 | 15,672 | 291 | 3,608 | 4 5 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate Rs. A. P |
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 12 | 12,395 | 554 | 12,420 | 5 1 3 |
| 22·21 | Week ended 17th „ ... | 31,932 | 7,104 | 38,64 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| | Totals up to date ... | 81,587 | 18,795 | 66,20. | 1,390 | 21 | 20,206 | 354 | 3,917 | 5 2 7 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 17th July 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 28,657 | 25,234 8 0 | 1,21,557 [illegible] | 9,449 0 0 | 140 0 0 | 34,683 0 0 | 10,123 | 3,233 | 13,356 |
| Or per mile of railway ... ... | ..... | 155 12 8 | ..... | 58 3 2 | 0 13 9 | 214 13 7 | ... | ... | ... |
| For previous 1½ weeks of half-year | 40,127 | 33,656 0 0 | 1,58,737 [illegible] | 13,444 0 0 | 200 0 0 | 47,300 0 0 | 11,734 | 4,592 | 16,326 |
| Total for 2½ weeks ... | 68,764 | 58,950 0 0 | 2,80,294 0 | 22,893 0 0 | 340 0 0 | 82,183 0 0 | 21,857 | 7,825 | 29,682 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 31,188 | 22,690 14 9 | 2,47,897 0 | 14,840 4 6 | 36 4 3 | 37,567 7 6 | 11,506 | 4,499 | 16,005 |
| Per mile of railway corresponding week of previous year. | ..... | 139 12 1 | ..... | 91 6 6 | 0 3 7 | 231 6 2 | ..... | ..... | ..... |
| Total for corresponding 2½ weeks of previous year. | 80,976 | 55,933 1 8 | 5,90,214 0 | 37,377 14 0 | 111 14 9 | 93,472 14 5 | 29,557 | 12,057 | 41,624 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,127 | 33,656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th „ ... | 28,637 | 25,234 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| | Totals up to date ... | 68,764 | 58,950 | 2,80,294 | 22,893 | 340 | 82,183 | 208 | 29,682 | 2 12 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 11 days of July ... | 41,788 | 33,222 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 23,619 | 2 2 11 |
| 162·36 | Week ended 18th „ ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| | Totals up to date ... | 80,976 | 55,933 | 5,90,214 | 37,378 | 112 | 93,473 | 234 | 41,624 | 2 3 11 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 17th July 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 61,500 | 38,000 0 0 | 270,500 0 | 44,500 0 0 | 4,000 0 0 | 86,500 0 0 | 14,254 | 20,190 | 34,444 |
| Or per mile of railway ... ... | 80·08 | 49·48 | 350 84 | 57·73 | 5·19 | 112·39 | 18·56 | 26·19 | 44·75 |
| For previous 2 weeks of half-year ... ... .. ... | 85,500 | 59,000 0 0 | 449,000 0 | 63,000 0 0 | 5,000 0 0 | 1,27,000 0 0 | 20,963 | 27,394 | 48,357 |
| Total for 3 weeks ... | 147,000 | 97,000 0 0 | 719,500 0 | 1,07,500 0 0 | 9,000 0 0 | 2,13,500 0 0 | 35,217 | 47,584 | 82,801 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 51,152 | 31,534 0 0 | 264,122 0 | 39,470 0 0 | 4,126 0 0 | 75,130 0 0 | 16,132 | 18,546 | 34,678 |
| Per mile of railway corresponding week of previous year ... | 66·60 | 41·06 | 342 57 | 51·19 | 5·35 | 97·60 | 21·01 | 24·05 | 45 06 |
| Total to corresponding date of previous year ... ... ... | 134,710 | 81,494 0 0 | 631,615 0 | 1,01,292 0 0 | 10,894 0 0 | 1,93,680 0 0 | 42,168 | 45,938 | 88,106 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 17th July 1909. | | | Receipts for week ending 18th July 1908. | | | Total receipts from 1st April 1909 to 17th July 1909. | | | Total receipts from 1st April 1908 to 18th July 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 86,500 | 112·39 | 771 | 75,130 | 97·60 | 771 | 13,0[illegible]15 | ... | 771 | 12,95,699 | ... | 71,816 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of traffic for week ending 17th July 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. (a) | Rs. | Rs. | | (b) | |
| Total traffic for the week on 1,870 miles open ... .. ... | 358,360 | 1,3[illegible],610 | 1,035,890 | 1,24,130 | 23,660 | 2,80,400 | 57,358 | 38,905 | 96,263 |
| Or per mile of railway ... .. | 191·64 | 79·92 | 553·95 | 66·38 | 12·65 | 149·95 | ..... | ..... | ..... |
| For previous 1¾ weeks of half-year ... ... ... ... | 409,030 | 1,81,070 | 1,433,530 | 1,76,200 | 34,100 | 3,91,370 | 84,599 | 57,383 | 141,982 |
| Total for 2¾ weeks ... | 857,390 | 3,13,680 | 2,469,420 | 3,00,330 | 57,760 | 6,71,770 | 141,957 | 96,288 | 238,245 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 322,755 | 1,32,294 | 866,163 | 1,05,750 | 23,428 | 2,61,472 | 56,285 | (c) 42,713 | 98,998 |
| Per mile of corresponding week of previous year ... ... ... | 180·10 | 73·87 | 483·62 | 59·04 | 13 08 | 146·09 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... - .. | 840,397 | 3,34,970 | 2,703,658 | 3,14,445 | 67,047 | 7,16,462 | 148,160 | 108,607 | 256,767 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... .. | | 2·31 | | 3·19 | ·25 | 2·91 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·35 | | 2·48 | ·24 | 2·64 | | | |

(a) Increase chiefly under foreign outward.
(b) Includes 6,918 miles of ballast trains.
(c) Ditto 5,638 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 17th July 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 394,760 | 1,67,700 0 0 | 1,409,630 0 | 2,06,040 0 0 | 16,280 0 0 | (d)3,90,020 0 0 | 76,191 | (c)38,277 | 114,468 |
| Or per mile of railway ... ... | (a)264 | (a)125 0 0 | 942 0 | 137 0 0 | (b)1 0 0 | (b)251 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... ... ... ... | 779,430 | 2,88,890 0 0 | 1,863,780 0 | 2,72,710 0 0 | 22,090 0 0 | 5,83,690 0 0 | 110,289 | 60,024 | 170,313 |
| Total for 3 weeks ... | 1,174,190 | 4,56,590 0 0 | 3,273,410 0 | 4,78,750 0 0 | 38,370 0 0 | 9,73,710 0 0 | 186,480 | 98,301 | 284,781 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 405,090 | 1,71,539 0 0 | 1,177,295 0 | 1,55,336 0 0 | 13,540 0 0 | 3,40,415 0 0 | 74,533 | 33,611 | 108,144 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (a)330 | (a)140 0 0 | 924 0 | 122 0 0 | 2 0 0 | 259 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 1,291,503 | 4,72,389 0 0 | 2,893,635 0 | 4,02,606 0 0 | 33,116 0 0 | 9,08,104 0 0 | 193,869 | 86,388 | 280,257 |

(a) Excluding miles not open for passenger traffic.
(b) Excluding steamer earnings, Rs. 14,300.
(c) Excluding ballast train-miles, 9,746.
(d) Increase is due to more mileage opened for traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 17th July 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 36,190 | 9,660 0 0 | 32,180 0 | 3,030 0 0 | 360 0 0 | 13,050 0 0 | 5,796 | (a)692 | 6,488 |
| Or per mile of railway ... | 421 | 113 0 0 | 374 0 | 35 0 0 | 4 0 0 | 152 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... ... .. ... | 68,980 | 16,190 0 0 | 37,840 0 | [illegible] 0 0 | 310 0 0 | 20,150 0 0 | 8,280 | 998 | 9,278 |
| Total for 3 weeks ... | 105,170 | 25,850 0 0 | 70,020 0 | [illegible] 0 0 | 670 0 0 | 33,200 0 0 | 14,076 | 1,690 | 15,766 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 40,169 | 11,376 0 0 | 23,158 0 | 2,334 0 0 | 70 0 0 | 13,830 0 0 | 5,656 | 1,204 | 6,860 |
| Per mile of railway corresponding week of previous year ... | 467 | 132 0 0 | 269 0 | 28 0 0 | 1 0 0 | 161 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 134,728 | 31,461 0 0 | 61,612 0 | 6,253 0 0 | 313 0 0 | 38,026 0 0 | 14,564 | 3,172 | 17,736 |

(a) Excluding ballast train-miles, 609.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 17th July 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 2,850 | 1,390 0 0 | 18,620 0 | 1,750 0 0 | 10 0 0 | 3,150 0 0 | 441 | (a)1,191 | 1,632 |
| Or per mile of railway ... .. | 85 | 42 0 0 | 55 0 | 52 0 0 | ..... | 94 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... ... ... ... ... | 5,410 | 2,010 0 0 | 25,130 0 | 2,460 0 0 | 20 0 0 | 4,490 0 0 | 630 | 1,820 | 2,450 |
| Total for 3 weeks ... | 8,260 | 3,400 0 0 | 43,750 0 | 4,210 0 0 | 30 0 0 | 7,640 0 0 | 1,071 | 3,011 | 4,082 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 2,958 | 1,487 0 0 | 18,178 0 | 1,650 0 0 | 17 0 0 | 3,154 0 0 | 441 | 869 | 1,310 |
| Per mile of railway corresponding week of previous year ... | 88 | 44 0 0 | 541 0 | 49 0 0 | 1 0 0 | 94 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 9,944 | 3,836 0 0 | 56,701 0 | 5,192 0 0 | 37 0 0 | 9,065 0 0 | 1,134 | 2,288 | 3,422 |

(a) Excluding ballast train-miles, 1,584.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 17th July 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 10,920 | 3,250 0 0 | 30,770 0 | 1,750 0 0 | 20 0 0 | 5,020 0 0 | 2,310 | (a) 308 | 2,618 |
| Or per mile of railway ... ... | 202 | 60 0 0 | 570 0 | 33 0 0 | ..... | 93 0 0 | ... | ... | ... |
| For previous 2 weeks of half-year ... ... ... ... | 15,120 | 4,870 0 0 | 34,270 0 | 1,990 0 0 | 30 0 0 | 6,890 0 0 | 3,300 | 528 | 3,828 |
| Total for 3 weeks .. | 26,040 | 8,120 0 0 | 65,040 0 | 3,740 0 0 | 50 0 0 | 11,910 0 0 | 5,610 | 836 | 6,446 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 12,100 | 3,491 0 0 | 17,430 0 | 1,096 0 0 | 20 0 0 | 4,607 0 0 | 1,953 | 357 | 2,310 |
| Per mile of railway corresponding week of previous year ... | 224 | 65 0 0 | 324 0 | 20 0 0 | ... | 85 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... ... | 29,690 | 9,310 0 0 | 47,374 0 | 2,847 0 0 | 53 0 0 | 12,210 0 0 | 5,201 | 739 | 5,940 |

(a) Ballast train-miles, *Nil*.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ending 24th July 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 384,870 | 1,50,990 0 0 | (c) 1,354,990 0 | (c) 1,09,35[illegible] 0 0 | (e) 16,070 0 0 | (e) 3,06,410 0 0 | 78,470 | (d) 37,066 | 115,536 |
| Or per mile of railway ... .. | (a) 286 | (a) 112 0 0 | 905 0 | 1[illegible] 0 0 | (e) 1 0 0 | (e) 235 0 0 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... | 1,174,190 | 4,56,590 0 0 | 3,273,410 0 | 4,78[illegible]50 0 0 | 38,370 0 0 | 9,73,710 0 0 | 186,480 | 98,301 | 284,781 |
| Total for 4 weeks ... | 1,559,060 | 6,07,580 0 0 | 4,628,400 0 | [illegible],100 0 0 | 54,440 0 0 | 13,40,120 0 0 | 264,950 | 135,367 | 400,317 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 387,854 | 1,[illegible]9,745 0 0 | 3,650,714 0 | [illegible],128 0 0 | 60,038 0 0 | 5,17,911 0 0 | 76,689 | 74,392 | 150,381 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b) 316 | (a) 146 0 0 | 2,869 0 | 218 0 0 | 35 0 0 | 394 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. | 1,679,357 | 6,53,128 0 0 | 6,544,349 0 | 6,80,734 0 0 | 93,153 0 0 | 14,26,015 0 0 | 270,558 | 160,680 | 431,238 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding Steamer earnings, Rs. 14,500.
(d) Excluding ballast train-miles 9,227.
(e) Decreases are due to inclusion of certain adjustments at end of month in the previous year.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 24th July 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 35,500 | 9,070 0 0 | 30,010 0 | 2,050 0 0 | 290 0 0 | 12,010 0 0 | 5,816 | (a) 780 | 6,596 |
| Or per mile of railway ... | 413 | 113 0 0 | 349 0 | 24 0 0 | 3 0 0 | 140 0 0 | ..... | ..... | ..... |
| For previous 13 weeks of half-year .. ... ... | 105,170 | 25,850 0 0 | 70,020 0 | 6,680 0 0 | 670 0 0 | 33,200 0 0 | 14,076 | 1,690 | 15,766 |
| Total for 4 weeks ... | 140,670 | 35,520 0 0 | 100,030 0 | 8,730 0 0 | 960 0 0 | 45,210 0 0 | 19,892 | 2,470 | 22,362 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 40,463 | 12,285 0 0 | 204,375 0 | 5,834 0 0 | 992 0 0 | 19,111 0 0 | 5,656 | 3,133 | 8,789 |
| Per mile of railway corresponding week of previous year ... | 470 | 143 0 0 | 2,376 0 | 68 0 0 | 11 0 0 | 222 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 175,191 | 43,746 0 0 | 265,987 0 | 12,086 0 0 | 1,305 0 0 | 57,137 0 0 | 20,220 | 6,305 | 26,525 |

(a) Excluding ballast train-miles, 390.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 24th July 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,210 | 1,270 0 0 | 15,040 0 | 1,400 0 0 | 10 0 0 | 2,680 0 0 | 455 | (a) 849 | 1,304 |
| Or per mile of railway ... | 96 | 38 0 0 | 448 0 | 42 0 0 | ..... | 80 0 0 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... | 8,260 | 3,400 0 0 | 43,750 0 | 4,210 0 0 | 30 0 0 | 7,640 0 0 | 1,071 | 3,011 | 4,082 |
| Total for 4 weeks ... | 11,470 | 4,670 0 0 | 58,790 0 | 5,610 0 0 | 40 0 0 | 10,320 0 0 | 1,526 | 3,860 | 5,386 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,251 | 1,410 0 0 | 23,266 0 | 1,677 0 0 | 22 0 0 | 3,109 0 0 | 455 | 5,206 | 5,661 |
| Per mile of railway corresponding week of previous year ... | 97 | 42 0 0 | 692 0 | 50 0 0 | 1 0 0 | 93 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 13,195 | 5,247 0 0 | 79,067 0 | 6,869 0 0 | 58 0 0 | 12,174 0 0 | 1,589 | 7,494 | 9,083 |

(a) Excluding ballast train-miles, 1,120.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 24th July 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 11,660 | 3,300 0 0 | 23,[illegible]00 0 | 1,120 0 0 | 20 0 0 | 4,740 0 0 | 2,310 | (a)384 | 2,694 |
| Or per mile of railway ... ... | 216 | 61 0 0 | [illegible] 0 | 26 0 0 | 1 0 0 | 88 0 0 | ..... | ..... | ..... |
| For previous 3 weeks of half-year ... ... ... ... | 26,040 | 8,120 0 0 | 65,040 0 | 3,740 0 0 | 50 0 0 | 11,910 0 0 | 5,610 | 836 | 6,446 |
| Total for 4 weeks ... | 37,700 | 11,420 0 0 | 90,130 [illegible] | 5,160 0 0 | 70 0 0 | 16,650 0 0 | 7,920 | 1,220 | 9,140 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 13,896 | 3,965 0 0 | 22,70[illegible] 0 | 1,[illegible]0 0 0 | 32 0 0 | 5,087 0 0 | 1,967 | 343 | 2,310 |
| Per mile of railway corresponding week of previous year ... ... | 257 | 73 0 0 | 420 0 | 20 0 0 | 1 0 0 | 94 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. ... | 43,586 | 13,275 0 0 | 70,078 0 | 3,937 0 0 | 85 0 0 | 17,297 0 0 | 7,168 | 1,082 | 8,250 |

(a) Ballast train-miles, *nil*.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 24th July 1909 ... | Coaching ... | 5,715 0 0 | 14,659 0 0 |
| | Goods ... | 8,783 0 0 | |
| | Other earnings ... | 161 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching | 5,804 0 0 | 14,605 0 0 |
| | Goods | 8,523 0 0 | |
| | Other earnings ... | 278 0 0 | |
| | Increase | — | 54 0 0 |
| Receipts per mile for the week ending 24th July 1909 ... | | — | 287 6 11 |
| Ditto for the corresponding period of 1908 ... | | — | 286 6 0 |
| | Increase | — | 1 0 11 |
| Receipts from 1st July to 24th July 1909 ... ... ... | | — | 54,652 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... | | ... | 52,917 0 0 |
| | Increase | ... | 1,735 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 4th August 1909.

REGISTERED No. C 209.]

No. 32 of 1909.

# SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, AUGUST 11, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 7th August 1909 ... ... ... ... ... ... ... ... | 1145 |
| Weather and Crop Report for the week ending the 9th August 1909 ... ... ... ... ... ... | 1146—1151 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 31st July 1909 ... | 1152—1159 |
| Vital Statistics of Districts and Towns in Bengal for the month of June 1909 ... ... ... ... | 1160—1161 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of June 1909 ... ... ... ... ... ... ... | 1162—1164 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th August 1909 ... ... ... ... ... ... ... ... | 1165 |
| Railway Returns ... ... ... ... ... ... ... | 1166—1173 |

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 7th August 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 7th August 1909. | | | Week ending Saturday, the 8th August 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 477 | 41,080 | 654 | 512 | 73,675 | 767 |
| Jute ... ... | 41 | 8,935* | 147 | 58 | †17,260 | 235 |
| Firewood ... ... | 24 | 23,575 | 349 | 34 | 23,600 | 369 |
| Other articles ... ... | 604 | 2,28,932 | 1,904 | 585 | 2,12,256 | 2,074 |
| Total ... | 1,146 | 3,02,522 | 3,054 | 1,189 | 3,26,791 | 3,445 |

* Weight by canal measurement, 12,275 maunds.
† Ditto ditto 17,512½ ..

CALCUTTA,
*The 10th August 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 9th August 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 5·83 | 8¼ | 8¼ | Weather seasonable. More rain wanted at Katwa. Transplantation of *aman* paddy going on briskly. Outturn of jute expected to be 90 per cent at Kalna. *Aus* paddy and sugarcane greatly benefited by recent rain. No scarcity of food-grains and fodder. No cattle-disease. Prices stationary. |
| 2 | BIRBHUM ... | 5·04 | 8½ | 8½ | Rainfall at Rampur Hât 2·08 inches. Paddy seedlings being transplanted very briskly. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 3·87 | 9 | 9 | Rainfall at Vishnupur 4·73 inches. Weather seasonable. Transplantation of *aman* paddy going on. More rain wanted. Standing crops doing well. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 8·08 | 9 | 9 | Rainfall at Contai 7·13, at Tamluk 5·21, and at Ghatal 5·28 inches. Transplantation of winter rice going on. Prospects of autumn rice fair. Sowing of early cotton begun in the Tamluk subdivision. Prospects of jute fair. Cattle-disease reported from thanas Midnapore, Keshpur and Nayagram. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 4·59 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. Prospects of jute and *aus* fair. Transplantation of *aman* paddy continuing. More rain wanted in the Serampore subdivision. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 4·82 | 8½ | 8 | Rainfall of the week beneficial to standing crops. Transplantation of winter rice still progressing. More rain wanted. Prospects of jute, *aus* paddy and sugarcane fair. Stocks of food-grains and fodder and water sufficient. |
| 7 | 24-PARGANAS | 3·75 | 9 | 9 | Weather seasonable. Harvesting of jute commenced. Common rice selling at 10 seers per rupee at Basirhat, 8⅔ seers at Barrackpore, 9⅜ seers at Diamond Harbour and at 8 seers at Barasat. |
| 8 | NADIA ... | 8·40 | 8⅞ | 8 9/16 | Rainfall at Ranaghat 3·63, at Meherpur 2·26, at Chuadanga 5·23 and at Kushtia 2·64 inches. Rainfall beneficial to standing crops. Prospects improved. Harvesting of *aus* paddy and transplantation of *aman* continuing. Weather favourable for jute. Condition of the crop good. Harvesting of jute continuing. Water still wanted for steeping of jute. Insects doing damage to the crop in the Meherpur subdivision. Prices of staple food-grains fallen. Stocks of food-grains sufficient. Cattle-disease prevailing in thanas Gangani and Karimpur. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 2·50 | 8½ | 8 | Rainfall at Lalbagh 3·04, at Kandi 4·16, and at Jangipur 5·03 inches. Weather seasonable. More rain wanted in the Sadar, Lalbagh and Kandi sub-divisions for *aman* paddy. Transplantation of *aman* paddy continuing everywhere. Condition of standing crops, mulberry, sugarcane and *bhadoi* crops favourable. Harvesting of *bhadoi* crops going on in the Lalbagh, Jangipur and in part of the Sadar sub-divisions. Condition of jute satisfactory everywhere. Weather and rainfall normal. Prospects of the crop better. Fodder and water sufficient. No cattle-disease reported. Condition of agricultural stock good. |
| 10 | JESSORE ... | 6·86 | 9 11/16 | 9¾ | Rainfall at Jhenidah 5·66, at Narail 3·28 and at Bangaon 5·48 inches. Weather seasonable. Rainfall general. Harvesting of *aus* and jute going on in places. Prospects of the crop good. Incessant rain causing some damage to *aus* paddy in Sarsha. Condition of jute favourable. Stocks of food-grains, fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. Report from Magura not received. |
| 11 | KHULNA ... | 11·92 | 10 | 10 | Rainfall at Bagerhat 6·78 and at Satkhira 5·31 inches. Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient till next harvest. Transplantation of winter rice progressing. Prospects of standing crops fair. Paddy seedlings and jute suffering to some extent from the heavy rainfall. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 6·25 | 9<br>13* | 8½<br>13* | Weather cloudy and raining. Transplantation of paddy going on. Sugarcane doing well. *Makai* in *diara* and low lands slightly damaged by excessive rainfall and floods. Condition of other standing crops good. Stocks of food-grains supplemented by imports. Cattle-disease reported from four villages in Nowbatpur. Fodder and water sufficient. |
| 13 | GAYA ... | 5·28 | 10½†<br>12 13/16* | 9 15/16†<br>12¾* | Weather cloudy. Rainfall general. Transplantation of paddy in full swing. Prices falling. Fodder and water for cattle ample. Cattle-disease reported from one village in the Nawadah subdivision. |
| 14 | SHAHABAD ... | 2·99 | 9¾†<br>12* | 9½†<br>12* | Rainfall at Buxar 2·03 inches. Sugarcane doing well. Transplantation of paddy continuing. Prices of food-grains stationary. Food-stocks below the normal. Fodder and water sufficient. Cattle-disease reported from Barhapur outpost. Agricultural stock in normal condition. |
| 15 | SARAN ... | 3·11 | 9¾<br>14* | 9½<br>14½* | Rainfall at Siwan 6·23 and at Gopalganj 4·98 inches. Weather wet. Transplantation of winter paddy and weeding of *bhadoi* crops going on. Standing crops doing well. Prices of staple food-crops stationary. Agricultural stock in fair condition. Cattle-disease reported from Darauli and Gultham. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 6·50 | 9½<br>16* | 9½<br>15* | Weather cloudy and rainy. Rainfall at Bettiah 3·55 inches. Condition of crops excellent. Transplantation of *aghani* paddy and weeding of *bhadoi* crops going on. Fodder and water sufficient. Cattle-disease reported from thanas Bettiah, Bagaha, Dhanaha and Gobindganj. |
| 17 | MUZAFFARPUR | 3·55 | 9<br>13¼ | 9<br>13* | Weather showery. Rainfall at Sitamarhi 1·74 and at Hajipur 3·29 inches and general throughout the district. Prospects of all standing crops excellent. Transplantation of winter rice nearly completed. Common rice and *makai* selling at 8 and 14¼ seers a rupee, respectively, at Sitamarhi, and at 8 and 13 seers a rupee, respectively, at Hajipur. Fodder and water sufficient. Cattle-disease reported from Sahebganj and Sakra thanas. |
| 18 | DARBHANGA ... | 3·66 | 9<br>13½* | 9<br>13½* | Weather cloudy. Good rain received during the week. Prospects of standing crops good. Transplantation of winter paddy in progress. Early *makai* being harvested. Food-stocks sufficient. Fodder and water available. *Makai* selling at 13½ seers per rupee in the Darbhanga bazar, and at 12½ seers in the interior. |
| 19 | MONGHYR ... | 7·16 | 8<br>13* | 7½ to 8<br>12* | Weather seasonable, with very heavy rainfall during the week. Transplantation of paddy in progress. Condition of standing crops good. Only *bhadoi* crops partly damaged in some places by excessive rain. Prices of *makai* slightly fallen. No cattle-disease reported. Fodder and water sufficient. Report from Beguserai not received. |
| 20 | BHAGALPUR ... | 1·04 | 8¼<br>13¼* | 8¼<br>12⅝* | Weather seasonable. Good done to standing crops by the rainfall which has been heavier in the district. Transplantation of paddy going on fairly well. Harvesting of early *marua* going on. Prospects of *bhadoi* crops good. No apprehension of famine at present. Condition of agricultural stock good. Stocks of food-grains sufficient. Cattle-disease reported from Madhipura police-station. Prices of staple food-grains stationary. Fodder and water more than sufficient. Jute crop in good condition. |
| 21 | PURNEA ... | 3 54 | 8 | 8½ | Weather hot and cloudy. Rainfall at Kishanganj 5·82 and at Araria 5·17 inches. Transplantation of *aghani* paddy going on briskly. More rain wanted. Harvesting of jute and *bhadoi* crops going on. Good outturn expected. Condition of agricultural stock good. Cattle-disease reported from Gopalpur and Raniganj thanas. Fodder and water sufficient. Common rice selling at 8 and 8½ seers a rupee at Araria and Kishanganj respectively. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 6·89 | 8<br>13* | 8<br>12* | Weather seasonable. Rainfall at Siliguri 9·11 inches. Hills—maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing well. Terai—Transplantation of winter rice in progress. Prospects of jute and other *bhadoi* crops not satisfactory. Harvesting of maize commenced in some places. Agricultural stock in good condition. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 3·39 | 9½<br>13* | 9½<br>13* | Rainfall at Deoghar 2·90, at Godda 2·71, at Jamtara 2·08, at Pakour 1·80 and at Rajmahal 1·52 inches. More rain wanted at Rajmahal. Transplantation of paddy going on. Maize thriving. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. No cattle-disease reported. Fodder and water sufficient. Prospects of jute unfavourable. |
| 24 | CUTTACK ... | 1·87 | 11 5/32 | 10½ | *Beali* paddy in flower and in some places being cut. *Saradh* paddy being transplanted and weeded. Jute growing and in some places being cut. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 2·83 | 11½ | 11½ | Weather seasonable. Rainfall at Bhadrak 3·52 inches. Puddling, transplanting and weeding of *saradh* paddy continuing. *Beali* paddy in ear. Sugarcane, *bhadoi* crops and vegetables thriving. Jute progressing well. Prospects good. Fodder and water and food stocks sufficient. Common rice selling at 11½ seers a rupee at Bhadrak. No cattle-disease. |
| 26 | ANGUL ... | 0·05 | 16¼ | 16¼ | Rainfall at Phulbani 3·97 inches. Weather cloudy. Puddling and transplantation of winter paddy continuing. Miscellaneous crops doing well. More rain wanted. Condition of agricultural stock good. Common rice selling at 12 seers a rupee in the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 0·09 | 9 3/16 | 9 3/16 | Rainfall at Khurda 3·85 inches. Weeding and transplantation of *saradh* paddy going on. *Beali* paddy and *mandia* coming into ear. Sugarcane and cotton doing well. Cattle-disease reported from Brahmanberia Chakla. Fodder and water sufficient. Common rice selling at 10½ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 2·23 | 11⅝ | 11⅝ | Weather cloudy. Thinning and transplantation of winter rice, weeding of autumn rice and sowing of *urid* continuing. Sowing of *til* commenced. Condition of maize, sugarcane and *bhadoi til* good. Sugarcane being tied. Stocks of food-grains, fodder and water supply sufficient. No apprehension of scarcity. Rinderpest, anthrax, foot-and-mouth disease reported. Cheapest common rice selling at 14 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 2·05 | 8½<br>12½* | 8½<br>12½* | Weather seasonable. Transplantation of winter paddy going on, but being retarded in some places for want of rain. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 3·50 | 8¼ | 8 | Weather seasonable. Transplantation of winter paddy continuing. Condition of the standing crops good. Harvesting of *gondli* commenced in places. Health of agricultural stock good. Fodder and water sufficient. |
| 31 | PALAMAU ... | 1·53 | 8¾ | 8¼ | Weather seasonable. Transplantation of paddy continuing. *Til* being sown. Late *makai* damaged a little owing to continual rainfall. Fodder and water sufficient. Some cattle-disease reported from two thanas. |
| 32 | MANBHUM ... | 3·93 | 9 | 10 | Weather seasonable. State of standing crops good. Transplantation of winter rice still continuing. *Til* and *surguja* doing well. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Stocks of food-grains adequate. Common rice selling at 8½ seers per rupee at Dhanbaid. |
| 33 | SINGHBHUM ... | 3·38 | 8 | 8 | Weather seasonable. Transplantation of paddy stil continuing. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella, respectively. |
| 34 | COOCH BEHAR | 5·96 | 7 3/11 | 7 3/11 | Weather hot with occasional showers. Transplantation of *haimantik* seedlings and harvesting of *bitri* paddy continuing. Prospects and condition of jute fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inch.<br>Athgarh ... ... 2·90<br>Athmallik ... ... 7·55<br>Baramba ... ... 3·06<br>Baud ... ... 5·43<br>Bonai ... ... 6·20<br>Daspalla ... ... 5·57<br>Dhenkanal ... ... 2·20<br>Gangpur ... ... 5·29<br>Hindol ... ... 4·86<br>Kalahandi ... ... 7·85<br>Keonjhar ... ... 7·30<br>Khandpara Copious rain 3 days during the week.<br>Mayurbhanj ... ... 5·08<br>Narsinghpur ... 4·74<br>Nayagarh ... ... 2·90<br>Nilgiri ... ... 4·46<br>Pal-Lahara ... ... 6·50<br>Patna ... ... 4·83<br>Rairakhol ... ... 5·46<br>Ranpur ... ... 3·31<br>Sonpur ... ... 6·74<br>Talcher ... ... 5·47<br>The rainfall during the week sufficient for the present purpose. Reploughing of land (or *Bihura* operation) and transplantation continuing. State of standing crops good. Fodder and water sufficient. Price of common rice varying from 11 seers in Mayurbhanj and 11½ seers in Athmallik to 17 seers in Patna and 18 seers in Talcher. |

* The report is for the week ending the 31st July 1909.

GENERAL SUMMARY.—The rainfall during the week was heavy in most parts of Lower Bengal, Bihar and in Darjeeling and Cooch Bihar, and moderate in Orissa and Chota Nagpur. The rain has done good to standing crops, and has also facilitated transplantation of winter paddy. More rain is, however, still reported to be wanting in Hazaribagh and in parts of Burdwan, Bankura, Hooghly, Murshidabad, Purnea and Angul. All standing crops are said to be good, but some damage has been done by the recent heavy rain to paddy in Jessore and Khulna and to *makai* in Patna, Monghyr and Palamau. Insects are doing injury to jute in parts of Nadia. The price of common rice has risen slightly in Howrah, Jessore, Purnea and Manbhum, and has fallen in Nadia, Murshidabad, Patna, Gaya, Shahabad, Saran, Cuttack, Hazaribagh, Ranchi and Palamau. Cattle-disease is reported from Midnapore, Nadia, Bhagalpur, Purnea, Angul, Puri, Palamau and from the Patna and Tirhut Divisions excepting Darbhanga. The supply of fodder and water is sufficient throghout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 10th August 1909.*

N. N. BANERJEI,
for *Director of Agriculture, Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan ... | ... | ... | ... | ... | .. | ... | 8 0 | 7 12 | 6 8 | 8 10 | 8 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum ... | 9 0 | 9 0 | 7 8 | ... | ... | .. | 8 14 | 8 4 | 6 8 | 9 0 | 8 4 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 8 8 | 8 0 | 8 0 | ... | ... | ... | 8 8 | 9 0 | 6 8 | 9 0 | 9 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 9 0 | 9 0 | 10 0 | ... | ... | ... | 9 13½ | 9 11 | 6 8 | 10 4 | 10 1 | 6 14 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly ... | ... | ... | ... | ... | ... | ... | 7 0 | 7 0 | 6 4 | 8 0 | 8 0 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 6 | Howrah ... | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 0 | 9 0 | 9 0 | 7 0 | ... | .. | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | ... | .. | ... | ... | ... | ... | 8 0 | 8 0 | 6 12 | [illegible] 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta ... | 8 0 | 8 2 | 7 10 | 12 0 | 12 0 | 10 0 | 7 12 | 7 12 | 6 4 | 10 0 | 10 0 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia ... | 9 2 | 9 2 | 8 0 | 11 4 | 10 12 | 10 8 | 8 [illegible] | 8 0 | 6 2 | 8 9 | 8 9 | 6 4 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 9 8 | 9 12 | 8 0 | 16 0 | 16 0 | 12 8 | 7 [illegible] | 7 0 | 6 0 | 9 0 | 8 8 | 6 12 | ... | .. | ... | ... | ... | ... |
| | 11 | Jessore ... | 6 8 | 6 8 | 6 0 | 8 0 | 7 0 | 7 8 | 8 14 | 9 0 | 7 0 | 10 0 | 10 0 | 7 4 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna ... | ... | ... | ... | ... | ... | ... | 8 0 | 8 0 | 7 0 | 9 3 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 9 12 | 9 12 | 8 8 | 13 8 | 15 0 | 12 8 | 8 8 | 8 8 | 7 0 | 9 12 | 10 0 | 8 4 | 13 8 | 13 8 | 9 0 | ... | ... | ... |
| | 14 | Gaya ... | 9 4 | 9 2 | 7 12 | 14 6 | 14 1 | 10 0 | 8 13 | 8 11 | 6 8 | 9 14 | 9 10 | 6 8 | ... | ... | 11 0 | ... | ... | ... |
| | 15 | Shahabad ... | 9 8 | 9 8 | 8 4 | 14 8 | 15 0 | 11 0 | 8 8 | 8 8 | 7 3 | 8 12 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran ... | 9 8 | 9 12 | 8 4 | 15 8 | 15 0 | 11 8 | 8 0 | 7 4 | 7 0 | 9 [illegible] | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 8 | 9 8 | 8 8 | 17 8 | 17 0 | 12 12 | 9 0 | 8 4 | 7 8 | 9 8 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 8 0 | 14 0 | 15 0 | 11 8 | 6 0 | 6 0 | 6 0 | 9 0 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 12 | 8 12 | 7 11 | 16 8 | 15 6 | 12 1 | 7 11 | 6 9 | 6 9 | 9 0 | 8 0 | 8 4 | ... | ... | ... | ... | ... | ... |

A. At Kalna the retail price of salt is 22¾ seers.
B. At Rampur Hât the retail price of salt is 23 seers.
C. At Vishnupur the retail price of salt is 22½ seers per rupee.
D. Contai report not received.
E. In the subdivisions the retail prices of salt per rupee are—Serampore 20 seers; Arambagh 18 seers.
F. Uluberia report not received.
G. At Mograhat the retail price of salt is 21 seers.
H. Ranaghat report not received.

*Station Bazars of the districts of Bengal on the 31st July 1909.*

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAI OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | | | Number. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 11 6 | 11 6 | 9 0 | ... | ... | ... | 8 6 | 8 6 | 7 0 | A 21 0 | 21 0 | 19 0 | 1 11 0 | Panga. 1 11 0 | 1 12 0 | | | | 1 |
| ... | ... | ... | ... | ... | . | 11 4 | 10 8 | 8 8 | | ... | . | 7 2 | 6 12 | 6 0 | B 19 14 | 20 0 | 18 0 | 1 14 8 | Karkatch. 1 6 0 | 2 0 0 | | | | 2 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | | ... | 9 0 | 9 0 | 7 8 | C 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | | | 3 |
| ... | ... | ... | ... | ... | ... | 12 0 | 11 0 | 7 0 | ... | ... | ... | 8 0 | 8 0 | 6 0 | D Bombay ... 20 0 | 18 8 | | ... | Bombay 1 12 0 | 2 0 0 | | | | 4 |
| | | | | | | | | | | | | | | | Crushed 20 0 | 21 0 | 20 0 | 1 12 0 | Crushed 1 11 0 | 1 12 0 | | | | |
| ... | ... | ... | ... | ... | ... | 10 0 | 9 0 | 8 0 | .. | ... | .. | 9 0 | 8 0 | 6 4 | E 20 0 | 16 0 | 17 0 | 1 14 0 | Panga. 2 0 0 | 2 4 0 | | | | 5 |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | [illegible] 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | F 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 2 8 0 | | | | 6 |
| ... | ... | ... | ... | ... | ... | 12 0 | 13 0 | 8 8 | ... | ... | ... | 9 0 | 9 0 | 7 8 | G 22 8 | 24 0 | 25 8 | 1 12 0 | Liverpool 1 9 0 | 1 9 0 | | | | 7 |
| ... | ... | ... | 8 8 | 8 0 | 9 0 | 10 0 | 10 10 | 8 8 | 13 0 | 13 [illegible] | 9 0 | 8 0 | 8 6 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | | | | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | ... | ... | [illegible] | 7 4 | 7 4 | 6 7 | H 16 0 | 16 0 | 16 0 | 2 2 0 | White Karkatch. 1 14 0 | 1 14 0 | | | | 9 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 9 0 | ... | ... | [illegible] | 10 0 | 10 0 | 7 0 | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | | | | 10 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 7 8 | ... | | ... | 11 4 | 11 0 | 10 0 | J 20 0 | 22 8 | 20 0 | 1 12 0 | Panga. 1 12 0 | 1 13 0 | | | | 11 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 9 0 | ... | ... | . | 5 8 | 5 8 | 6 8 | K 16 0 | 16 0 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 2 2 0 | | | | 12 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 12 | 10 0 | 13 0 | 13 0 | 10 0 | 10 12 | 11 0 | 8 4 | L 19 8 | 19 8 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | | | 13 |
| 13 13 | ... | ... | 10 12 | 10 4 | 6 0 | 12 5 | 12 0 | 9 4 | 12 11 | 12 3 | 9 4 | 9 9 | 9 12 | 7 8 to 8 0 | M 21 12 | 20 8 | 20 0 | 1 9 6 | Panga. 1 15 3 | 2 0 0 | | | | 14 |
| ... | ... | ... | ... | ... | ... | 13 8 | 13 12 | 10 8 | ... | 11 0 | ... | 11 0 | 10 8 | 8 0 | N 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | | | | 15 |
| 14 0 | 12 0 | ... | ... | ... | ... | 13 8 | 12 12 | 10 0 | 14 0 | 13 0 | 10 0 | 11 8 | 12 0 | 9 0 | O 22 0 | 22 0 | 20 8 | 1 13 0 | Panga. 1 13 6 | 1 15 0 | | | | 16 |
| 16 0 | 16 0 | 11 0 | ... | ... | ... | 13 0 | 13 0 | 9 12 | 15 0 | 14 0 | 10 8 | 10 0 | 10 0 | 7 8 | P 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | | | | 17 |
| ... | 15 0 | ... | ... | ... | ... | 12 0 | 12 0 | 9 0 | 13 0 | 12 8 | 10 12 | 9 0 | 9 0 | 8 0 | Q 20 0 | 20 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 1 6 | | | | 18 |
| 16 8 | 13 3 | 12 1 | ... | ... | ... | 12 1 | 12 1 | 9 14 | 14 4 | 14 4 | 11 0 | 8 12 | 8 12 | 8 12 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | | | | 19 |

I. In the subdivisions the retail prices of salt per rupee are—Lalbagh 20 seers; Kandi 20 seers and Jangipur 20 seers (karkatch).
J. In the subdivisions the retail prices of salt per rupee are—Jhenida 19 seers; Magura 16 seers; Bongaon 21 seers; and Narail 16 seers (panga).
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. Bihar report not received.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers; Nawadah 20 seers; Jehanabad 20 seers.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers; Bhabhua 20 seers; and Sasaram 20 seers.
O. At Siwan the retail price of salt is $22\frac{8}{16}$ seers.
P. At Bettiah the retail price of salt is 21 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 21 seers; Hajipur report not received.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 21 seers; Madhubani 19½ seers.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE I

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| **BIHAR—*concluded.*** | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr ... | 10 0 | 9 8 | 9 0 | 12 8 | 12 0 | 12 8 | 8 1 | 7 12 | 6 14 | 8 4 | 8 0 | 7 0 | ... | ... | ... | .. | ... | ... |
| | 21 | Bhagalpur... | 8 14 | 8 14 | 8 14 | 12 10 | 12 10 | 12 0 | 7 10 | 7 10 | 7 2 | 8 4 | 8 4 Rangoon. | 8 8 | ... | ... | ... | — | ... | ... |
| | 22 | Purnea ... | 8 8 | 8 4 | 10 0 | ... | ... | ... | 7 4 | 7 0 | 7 0 | 10 0 / 8 12 | 10 0 Local. / 8 0 | 8 0 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling . | 6 0 | 6 0 | 6 0 | 6 0 | 8 0 | 6 4 | 4 0 | 4 0 | 6 0 | 8 0 | 6 0 | 7 0 | ... | .. | . | ... | ... | ... |
| | 24 | Sonthal Parganas. | 8 0 | 8 8 | 6 8 | 13 0 | 13 0 | 8 0 | 9 0 | 8 4 | 5 12 | 9 8 | 9 0 | 6 8 | ... | ... | . | ... | ... | ... |
| **ORISSA.** | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 10 8 | 10 8 | 7 2 | 10 8 | 10 8 | 7 8½ | ... | ... | — | ... | ... | ... |
| | 26 | Balasore .. | 8 4 | 8 4 | 6 8 | .. | ... | ... | 10 8 | 10 8 | 7 8 | 11 8 | 11 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | ... | 5 0 | 5 0 | ... | .. | ... | 16 0 | 15 0 | 6 0 | 17 1 | 15 0 | 6 0 | | ... | ... | ... | ... | ... |
| | 28 | Puri .. | 8 3 | 8 8 | 7 14 | . | .. | ... | 9 3 | 8 8 | 6 9 | 10 8 | 9 13 | 7 3 | ... | ... | - | — | — | ... |
| | 29 | Sambalpur... | 8 12 | 8 12 | 7 8 | ... | ... | ... | 10 [illegible] | [illegible] 4 | 8 4 | 11 10 | 11 4 | 9 0 | ... | ... | . | ... | ... | ... |
| **CHOTA NAGPUR** | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 8 | 7 0 | 12 0 | 12 0 | 9 0 | 8 4 | 8 4 | 6 4 | 8 12 | 8 12 | 7 6 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 8 4 | 8 4 | 6 8 to 7 4 | 12 0 | 12 0 | 10 0 | 8 0 | 9 0 | 6 0 | 9 8 | 10 0 | 7 8 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 10 2 | 9 0 | 7 5 | 13 8 | ... | 11 4 | 9 0 | 8 7 | 7 0 | 9 9 | 9 4 | 7 14 | .. | — | ... | ... | ... | — |
| | 33 | Manbhum .. | 8 0 | 8 4 | 7 8 | 10 0 | 10 0 | 8 0 | 9 0 | 9 0 | 6 8 | 10 0 | 10 0 | 7 0 | ... | ... | ... | 11 0 | 11 0 | — |
| | 34 | Singhbhum | 8 0 | 8 0 | 7 8 | ... | ... | ... | 7 0 | 7 0 | 5 8 | 9 0 | 9 0 | 7 0 | ... | — | ... | — | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers ; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka not received ; Madhipura 13 seers ; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 17 seers.
V. In the subdivisions the retail prices of salt per rupee are—Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers ; Deoghur 16 seers ; Pakour 18 seers ; Rajmahal 20 seers, and Jamtara not received.

CALCUTTA,
*The 7th August 1909.*

*...ition Bazars of the districts of Bengal on the 31st July 1909* —concld.

| RS OF EIGHTY TOLAHS. | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ...ARUA OR RAGI (...eusine Coracana). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CH..., CHHOLA, KAD...AY, OR BUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | |
| ... | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Number. |
| Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| • | ... | ... | — | — | ... | 12 8 | 12 0 | 10 0 | 12 0 | 12 0 | 9 8 | 9 7 | 9 4 | 7 8 | S 20 0 | 20 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 2 0 | 20 |
| • | ... | ... | .. | .. | ... | 11 8 | 11 8 | 8 14 | 12 10 | 12 10 | Now 10 2 | 8 14 | 8 14 | 7 8 | T 22 0 | 20 0 | 20 0 | 1 13 0 | Panga. 1 14 0 | 1 14 6 | 21 |
| .. | ... | ... | ... | ... | ... | 8 12 | 8 12 | 10 8 | 13 0 | 13 4 | 12 0 | 7 8 | 7 8 | 6 0 | U 17 0 | 16 0 | 16 0 | 2 4 3 | Panga. 2 8 0 | 2 8 0 | 22 |
| 4 | 13 0 | 11 0 | ... | ... | ... | 8 8 | 8 0 | 7 0 | 13 0 | 14 0 | 15 0 | 5 8 | 5 8 | 5 4 | V 14 0 | 14 0 | 14 0 | 2 12 0 | 2 12 0 | 2 14 0 | 23 |
| .. | ... | — | — | ... | – | 11 0 | 11 0 | 8 8 | 13 0 | 12 0 | 9 0 | 9 0 | 9 0 | 6 0 | W 18 0 | 18 0 | 16 0 | 2 3 6 | Karkatch. 2 3 6 | 2 8 0 | 24 |
| .. | ... | ... | — | ... | ... | Biri or kalai 9 8 | 9 8 | 9 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 7 0 | 1 13 0 | 25 |
| .. | ... | ... | — | ... | ... | Chhola. 11 8 / Biri. 10 8 | 11 0 / 10 8 | 9 0 / 9 0 | ... | .. | ... | 7 0 | 7 0 | 6 0 | Y 21 0 | 21 0 | 21 0 | 1 14 0 | Panga. 1 14 0 | 1 14 0 | 26 |
| .. | ... | ... | ... | ... | – | 8 6 | 9 0 | 5 8 | ... | ... | ... | 13 10 | 12 0 | 7 8 | Z 16 13 | 16 0 | 10 8 | 2 0 0 | Karkatch. 2 0 0 | 3 0 0 | 27 |
| ... | ... | .. | ... | ... | ... | Biri. 10 8 | 10 13 | 9 8 | ... | .. | ... | 7 14 | 7 3 | 6 14 | a 26 0 | 24 8 | 25 0 | 1 8 0 | Karkatch. 1 10 0 | 1 9 0 | 28 |
| ... | — | ... | ... | ... | ... | 11 0 | 11 0 | 7 0 | ... | .. | [illegible] | 7 0 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | 29 |
| 8 | 14 0 | 9 8 | ... | ... | ... | 11 0 | 11 0 | 8 4 | 12 8 | 11 8 | 7 12 | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 8 0 | 30 |
| 0 | 17 0 | 12 0 | ... | ... | ... | 10 4 | 10 0 | 8 0 | 12 0 | 10 0 | 10 0 | 7 0 | 6 12 | 5 0 to 7 0 | 18 0 | 18 0 | 16 0 | 2 3 0 | Panga. 2 4 0 | 2 3 0 | 31 |
| ... | ... | ... | ... | ... | — | 11 13 | 11 13 | 9 0 | ... | ... | 8 7 | 10 2 | 9 0 | 6 12 | 19 2 | 18 9 | 18 1 | ... | ... | ... | 32 |
| — | — | ... | — | ... | ... | 10 8 | 10 8 | 8 8 | ... | .. | 9 0 | 7 8 | 8 0 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 2 0 | 33 |
| ... | ... | — | — | ... | — | 10 0 | 10 0 | 7 8 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 2 1 0 | 2 4 0 | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Kendrapara 18 seers (panga), Jajpur 19 seers.
Y. The retail price of salt at Bhadrak is 18 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Phulbani 13½ seers (Karkatch).
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 12 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbaid 16 seers; Jhalda 16 seers.

**Published for general information.**

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c.,*

PRICE PER MAUND (

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P |
| 1 | Calcutta ... | 7 0 0 | 7 0 0 | 7 4 0 | 5 2 0 | 5 2 0 | 6 4 0 | 3 10 0 | 3 10 0 | 4 14 0 | 4 12 0 | 4 10 0 | 5 0 ( |
| 2 | Burdwan ... | 5 12 0 | 5 12 0 | 6 14 6 | 4 14 0 | 5 2 0 | 6 8 0 | 4 10 0 | 4 15 0 | 6 0 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 15 10 | 5 2 0 | 7 0 0 | 4 5 3 | 4 4 0 | 5 10 0 | Not reported. | 3 14 0 | 4 14 0 | ... | ... | ... |
| 4 | Patna ... | 7 4 0 | 7 4 0 | 9 0 0 | 4 10 0 | 4 10 0 | 5 10 0 | 4 0 0 | 4 0 0 | 4 10 0 | 4 0 0 | 4 0 0 | 4 10 ( |
| 5 | Muzaffarpur .. | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 0 | 6 10 6 | 4 7 0 | 4 7 0 | 5 0 0 | 4 7 0 | 4 7 0 | 5 0 ( |
| 6 | Bhagalpur ... | 7 0 0 | 7 0 0 | 6 5 0 | Not reported. | 5 9 6 | 5 9 0 | 4 13 0 | 4 13 0 | 4 14 0 | 4 8 0 | 4 8 0 | 4 8 ( |
| 7 | Cuttack ... | 6 1 6 | 6 1 6 | 7 3 0 | 3 12 11 | 3 12 11 | 5 5 0 | 3 12 11 | 3 12 11 | 5 4 9 | 4 6 0 | 4 6 0 | 5 1 ; |
| 8 | Sambalpur ... | 5 15 0 | 5 15 0 | 6 10 0 | 3 8 0 | 3 11 3 | 4 8 0 | 3 3 0 | 3 6 3 | 4 3 0 | 4 7 0 | 4 7 0 | 5 0 ( |
| 9 | Ranchi ... | 5 4 0 | 5 0 0 | 8 0 0 | 4 15 0 | 4 8 0 | 6 8 0 | 4 3 0 | 4 0 0 | 5 4 0 | 4 12 0 | 4 12 0 | 5 8 0 to 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P |
| 1 | Calcutta ... | 3 0 0 | 3 0 0 | 4 4 0 | 4 10 0 | 4 8 0 | 5 8 0 | 5 8 0 | 6 0 0 | 5 8 0 | 5 0 0 | 4 14 0 | 7 0 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 7 0 | 4 10 0 | 5 14 0 | ... | ... | ... | White. 5 4 0 Kajli. 5 0 0 | 5 4 0 | 7 4 0 |
| 3 | Midnapore ... | ... | ... | ... | Not reported. | 4 10 0 | 6 0 0 | 5 4 0 | 5 8 0 | 5 2 0 | ... ... | Black mustard 5 10 0 to 5 12 0 / Rapeseed 5 0 0 | 7 0 0 / 6 12 0 |
| 4 | Patna ... | 3 0 6 | 3 0 6 | 3 15 0 | ... | 3 9 0 | 4 14 0 | 5 14 0 | 6 0 0 | 5 14 0 | 5 0 0 | 5 0 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 3 1 3 | 3 3 0 | New. 3 11 6 | 4 7 0 | 4 7 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 3 2 6 | 3 2 6 | 3 15 0 | 4 8 0 | 4 8 0 | 5 5 0 | 5 9 0 | 6 0 0 | 5 11 0 | 4 8 0 ... | Mustard. 5 0 0 / Rapeseed. 4 12 0 | 6 8 0 / 6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 4 0 | 5 8 0 | 6 4 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 4 0 |
| 9 | Ranchi ... | ... | ... | ... | 4 12 0 | 5 12 0 | 5 12 0 to 8 0 0 | 6 8 0 | 6 0 0 | 8 0 0 | 5 8 0 | 5 0 0 to 5 12 0 | 7 8 0 to 8 4 0 |

*undermentioned Marts of Bengal on the 31st July 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 0 0 | 3 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 8 0 | 4 8 0 | 1 |
| — | ... | — | — | ... | — | ... | — | ... | ... | ... | ... | 3 8 0 | 3 8 0 | 4 4 0 | 2 |
| ... | ... | . | — | ... | — | ... | ... | ... | — | ... | .. | Not reported. | 3 4 0 to 3 6 0 | 5 0 0 | 3 |
| 2 14 6 | 2 9 0 | 3 2 0 | ... | ... | 4 6 0 | ... | ... | ... | ... | ... | ... | 3 2 6 | 3 1 6 | 3 15 0 | 4 |
| 2 13 9 | 2 10 6 | 3 5 3 | — | ... | — | ... | — | ... | 2 10 6 | 2 10 6 | ... | 3 5 3 | 3 5 3 | 4 7 0 | 5 |
| 3 2 6 | 3 2 6 | 3 5 0 | ... | ... | — | ... | ... | ... | — | . | ... | 3 7 0 | 3 7 0 | 4 8 0 | 6 |
| — | — | . | ... | ... | — | ... | ... | ... | ... | ... | ... | Biri or kalai. 4 3 9 | 4 3 9 | 1 3 4 | 7 |
| ... | .. | ... | — | — | . | ... | — | ... | ... | ... | ... | 3 7 6 | 3 7 6 | 5 1 0 | 8 |
| 3 4 0 | 3 4 0 | 4 9 0 | ... | ... | — | ... | ... | ... | ... | ... | ... | 3 12 0 | 4 0 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 6 0 | 5 4 0 | 6 12 0 | 6 0 0 | 6 0 0 | 5 12 0 | 20 0 0 | 20 0 0 | 18 0 0 | 5 0 0 | 5 0 0 | 5 8 0 | 1 |
| ... | ... | ... | 9 4 0 | 9 8 0 | 5 8 0 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 4 0 | 8 0 0 to 8 4 0 | 6 0 0 | 22 0 0 | 22 0 0 | 12 0 0 to 24 0 0 | — | — | — | 3 |
| 5 0 0 | 5 8 0 | 7 0 0 | 6 0 0 | 6 0 0 | 5 0 0 to 6 0 0 | 19 8 0 | 19 0 0 | 18 0 0 | ... | ... | 5 8 0 | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 3 5 3 | — | ... | — | ... | ... | ... | 5 |
| ... | — | ... | 6 2 0 | 5 14 0 | 4 11 0 | 21 8 0 | 22 0 0 | 20 0 0 | ... | — | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | — | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 0 0 | 6 0 0 | 5 8 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 4 12 0 | |
| ... | ... | ... | 6 9 0 | 6 0 0 | 5 12 0 | 20 0 0 | 20 0 0 | 23 0 0 | ... | ... | — | 9 |

[*Continued overleaf*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Ghi. Next preceding return. | Ghi. Corresponding return of last year. | Tobacco Leaf. Present return. | Tobacco Leaf. Next preceding return. | Tobacco Leaf. Corresponding return of last year. | Hides (cow). Present return. | Hides. Next preceding return. | Hides. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 42 0 0 | 41 0 0 | 43 0 0 | 8 4 0 | 8 4 0 | 8 0 0 | 385 0 0 | Per 100 pieces. 385 0 0 | 400 0 0 |
| 2 | Burdwan ... | 40 0 0 | 40 0 0 | 40 0 0 | ... | ... | ... | ... | ... | ... |
| 3 | Midnapore ... | 43 0 0 | 43 0 0 to 44 0 0 | 37 0 0 to 40 0 0 | 11 8 0 | Madhukhali. 12 8 0 to 12 10 0 | 12 0 0 | Unclean per piece. 3 0 0 to 3 12 0 | 2 12 0 to 3 8 0 | 2 8 0 to 3 4 0 |
| | | | | | 12 8 0 | Palta. 14 0 0 | 13 8 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 | 2 12 0 to 3 8 0 |
| 4 | Patna ... | 34 0 0 to 35 0 0 | 35 0 0 to 40 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 6 0 0 | 3 0 0 to 5 0 0 | 2 0 0 to 4 0 0 | ... | ... | 30 0 0 |
| 5 | Muzaffarpur ... | 37 10 0 | 35 9 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | — | — |
| 6 | Bhagalpur ... | 40 0 0 | 33 0 0 | 42 0 0 | 13 0 0 | 12 8 0 | 10 0 0 | ... | . | ... |
| 7 | Cuttack ... | 45 11 0 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 0 0 | 37 0 0 | 39 0 0 | 20 0 0 | 13 0 0 | 18 0 0 | 40 0 0 | Per maund. 35 0 0 | 30 0 0 |
| 9 | Ranchi ... | 37 0 0 | 35 0 0 | 46 0 0 | 11 0 0 | 12 0 0 to 16 0 0 | 10 0 0 to 16 0 0 | Per lb. 0 7 6 | 0 8 0 | Per piece. 2 0 0 to 2 8 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Iron. Next preceding return. | Iron. Corresponding return of last year. | Firewood. Present return. | Firewood. Next preceding return. | Firewood. Corresponding return of last year. | Salt. Present return. | Salt. Next preceding return. | Salt. Corresponding return of last year. | Bhoosa. Present return. | Bhoosa. Next preceding return. | Bhoosa. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 2 0 0 | 2 0 0 | ... |
| 2 | Burdwan ... | — | — | ... | 0 10 0 | 0 10 0 | 0 9 0 | 1 11 0 | Panga. 1 11 0 | 1 12 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 0 0 to 4 4 0 | 2 0 0 to 4 0 0 | 4 0 0 | 0 6 0 | 0 6 0 | 0 4 0 | 1 12 0 | Crushed. 1 11 0 | 1 12 0 | ... | ... | ... |
| | | | | | | | | ... | Bombay. 1 12 0 | 2 0 0 | | | |
| 4 | Patna ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 8 0 | 0 7 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 5 0 | 1 5 0 | ... |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 8 0 0 | 0 5 3 | 0 5 3 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 1 6 | 1 0 0 | 1 5 3 | ... |
| 6 | Bhagalpur ... | 4 8 0 | 4 8 0 | 5 0 0 | 0 5 0 | 0 6 3 | 0 6 6 | 1 13 0 | 1 14 0 | 1 14 0 | 0 9 0 | 0 9 0 | ... |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur ... | ... | ... | ... | 0 5 0 | 0 4 0 | Not sold | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 5 0 0 | 4 8 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 6 0 | 2 3 0 | Panga. 2 4 0 | 2 3 0 | 2 4 0 | 2 8 0 | — |

CALCUTTA,
*The 9th August 1909.*

*the undermentioned Marts of Bengal on the 31st July 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 1 0 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 9 0 | 0 9 0 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | — | ... | 0 7 0 | 0 6 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | 0 8 0 | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | ... | — | ... | ... | — | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | ... | ... | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | — | ... | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 7 0 | 0 8 0 | 0 8 0 | 0 12 0 | 0 13 0 | 0 12 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 6 0 | 2 6 0 | ... | 3 12 0 | 3 10 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| 4 2 0 | 4 0 0 | ... | ... | ... | ... | Per tin. (Bull brand.) 1 8 6 | 1 8 0 | ... | Burdwan ... | 2 |
| ... | 0 10 0 | ... | ... | 4 6 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 10 3 | ... | Midnapore .. | 3 |
| 2 4 0 | 2 4 0 | ... | ... | ... | ... | Per tin. (Victoria brand.) 1 10 0 | 1 11 0 | ... | Patna ... | 4 |
| 2 8 0 | 2 8 0 | ... | 3 8 0 | 3 10 0 | ... | Per tin. (Victoria brand.) 1 12 0 | 1 12 0 | ... | Muzaffarpur ... | 5 |
| 2 2 0 | 2 11 0 | ... | 3 7 0 | 3 7 0 | ... | Per tin. 1 8 0 to 3 4 0 | 1 8 0 to 3 4 0 | (Swan brand.) (Snowflake brand.) | Bhagalpur ... | 6 |
| ... | 0 10 0 | ... | 5 1 4 | 5 1 4 | ... | Per tin. 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | Per tin. (Victoria brand.) 1 10 6 | 1 11 0 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | ... | 4 4 0 | 4 8 0 | ... | Per tin. 2 2 0 | 2 0 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Vital Statistics of the districts of Bengal for the month of June 1909.*

| Divisions. | Districts. | Population under registration. | Births: Number registered. | Births: Ratio per 1,000 of population per annum. | Deaths: Cholera: Number registered. | Cholera: Ratio per 1,000 of population per annum. | Small-pox: Number registered. | Small-pox: Ratio per 1,000 of population per annum. | Plague: Number registered. | Plague: Ratio per 1,000 of population per annum. | Fever: Number registered. | Fever: Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa: Number registered. | Dysentery and Diarrhœa: Ratio per 1,000 of population per annum. | Respiratory diseases: Number registered. | Respiratory diseases: Ratio per 1,000 of population per annum. | Injury: Number registered. | Injury: Ratio per 1,000 of population per annum. | Other causes: Number registered. | Other causes: Ratio per 1,000 of population per annum. | Total of all causes: Number registered. | Total of all causes: Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years: Number registered. | Average of corresponding month of previous five years: Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,888 | 38·16 | 65 | ·48 | 83 | ·60 | ... | ... | 2,066 | 16·08 | 59 | ·36 | 14 | ·10 | 59 | ·36 | 756 | 5·88 | 3,102 | 24·24 | 3,395 | 26·52 | |
| | Burbhum | 902,280 | 3,945 | 52·44 | 83 | 1·08 | 48 | ·60 | ... | ... | 1,930 | 25·56 | 18 | ·12 | 2 | ·02 | 31 | ·36 | 366 | 4·80 | 2,478 | 32·88 | 2,172 | 28·80 | |
| | Bankura | 1,116,411 | 3,771 | 40·44 | 157 | 1·68 | 63 | ·60 | ... | ... | 1,454 | 15·60 | 50 | ·48 | 8 | ·08 | 41 | ·36 | 605 | 7·08 | 2,438 | 26·16 | 2,472 | 26·52 | |
| | Midnapore | 2,789,114 | 8,371 | 36·00 | 219 | ·84 | 314 | 1·32 | ... | ... | 2,938 | 12·60 | 87 | ·36 | 23 | ·09 | 109 | ·36 | 1,015 | 4·44 | 4,725 | 20·28 | 4,990 | 21·00 | |
| | Hooghly, including Serampore. | 1,049,041 | 2,830 | 32·28 | 61 | ·60 | 122 | 1·32 | ... | ... | 1,197 | 13·68 | 140 | 1·68 | 55 | ·60 | 68 | ·72 | 503 | 5·64 | 2,155 | 24·60 | 2,078 | 23·76 | |
| | Howrah | 850,514 | 2,039 | 28·68 | 60 | ·84 | 165 | 2·28 | 2 | ·02 | 533 | 7·56 | 144 | 1·92 | 61 | ·84 | 54 | ·72 | 391 | 5·40 | 1,420 | 19·92 | 1,420 | 19·92 | |
| Presidency | 24-Parganas | 2,078,359 | 5,666 | 32·76 | 117 | ·60 | 140 | ·72 | 4 | ·01 | 1,882 | 10·80 | 99 | ·48 | 113 | ·60 | 158 | ·84 | 746 | 4·20 | 3,259 | 18·72 | 3,242 | 18·60 | |
| | Calcutta | 847,796 | 1,373 | 19·32 | 188 | 2·64 | 48 | ·60 | 273 | 3·84 | 151 | 2·52 | 107 | 1·44 | 205 | 3·72 | 22 | ·24 | 679 | 9·60 | 1,763 | 24·84 | 1,722 | 24·36 | |
| | Nadia | 1,667,491 | 5,696 | 40·68 | 46 | ·24 | 46 | ·24 | ... | ... | 2,344 | 15·96 | 7 | ·04 | 2 | ·01 | 100 | ·60 | 683 | 4·80 | 3,118 | 22·32 | 3,531 | 25·32 | |
| | Murshidabad | 1,334,184 | 5,579 | 50·16 | 20 | ·12 | 71 | ·60 | 1 | ·008 | 2,918 | 17·16 | 5 | ·03 | 2 | ·01 | 89 | ·72 | 624 | 5·52 | 2,730 | 24·48 | 3,260 | 29·28 | |
| | Jessore | 1,813,155 | 4,456 | 29·40 | 86 | ·48 | 69 | ·36 | ... | ... | 2,901 | 16·44 | 11 | ·07 | 6 | ·03 | 110 | ·72 | 407 | 2·64 | 3,190 | 21·00 | 3,353 | 22·08 | |
| | Khulna | 1,253,043 | 3,384 | 32·40 | 64 | ·60 | 37 | ·24 | ... | ... | 1,511 | 14·40 | 14 | ·12 | 4 | ·03 | 94 | ·84 | 554 | 5·28 | 2,278 | 21·72 | 1,998 | 19·08 | |
| Patna | Patna | 1,624,742 | 4,217 | 31·08 | 277 | 2·04 | 378 | 2·76 | 19 | ·12 | 2,1[illegible] | 15·96 | 193 | 1·32 | 106 | ·72 | 151 | 1·08 | 1,259 | 9·12 | 4,546 | 33·48 | 5,023 | 37·08 | |
| | Gaya | 2,069,233 | 4,941 | 28·68 | 160 | ·84 | 236 | 1·32 | ... | ... | 3,04[illegible] | 17·64 | 59 | ·24 | 9 | ·04 | 147 | ·84 | 651 | 3·84 | 4,320 | 25·08 | 8,060 | 46·92 | |
| | Shahabad | ..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Return not yet received. |
| Tirhut | Saran | 2,410,154 | 7,685 | 38·16 | 49 | ·24 | 426 | 2·04 | 27 | ·12 | 2,86[illegible] | 14·16 | 204 | ·96 | 62 | ·24 | 211 | ·96 | 1,937 | 9·60 | 5,779 | 28·68 | 6,683 | 33·24 | |
| | Champaran | 1,790,463 | 7,470 | 50·04 | 429 | 2·76 | 127 | ·84 | ... | ... | 3,614 | 24·12 | 8 | ·04 | ... | ... | 136 | ·84 | 1,161 | 7·68 | 5,475 | 36·60 | 6,101 | 40·80 | |
| | Muzaffarpur | 2,754,790 | 9,881 | 43·44 | 480 | 1·56 | 142 | ·60 | 11 | ·03 | 6,310 | 27·48 | 50 | ·24 | 4 | ·01 | 270 | 1·08 | 1,222 | 5·28 | 8,498 | 36·96 | 9,068 | 39·48 | |
| | Darbhanga | 2,912,611 | 9,240 | 37·80 | 868 | 3·48 | 136 | ·48 | 7 | ·02 | 8,376 | 34·44 | 268 | 1·08 | 15 | ·06 | 313 | 1·20 | 1,332 | 5·40 | 11,315 | 46·56 | 9,067 | 37·32 | |
| Bhagalpur | Monghyr | 2,068,804 | 6,670 | 38·64 | 1,141 | 6·60 | 97 | ·48 | 6 | ·02 | 4,395 | 25·44 | 34 | ·12 | 6 | ·02 | 179 | ·96 | 968 | 5·52 | 6,826 | 39·48 | 6,200 | 35·88 | |
| | Bhagalpur | 2,088,953 | 5,329 | 30·96 | 293 | 1·68 | 60 | ·24 | ... | ... | 4,260 | 24·36 | 10 | ·04 | 19 | ·10 | 118 | ·60 | 517 | 2·88 | 5,377 | 30·24 | 5,546 | 31·80 | |
| | Purnea | 1,874,794 | 5,746 | 36·72 | 42 | ·24 | 37 | ·12 | ... | ... | 4,021 | 25·68 | 8 | ·04 | ... | ... | 95 | ·60 | 173 | 1·08 | 4,376 | 27·96 | 4,060 | 32·28 | |
| | Darjeeling | 249,117 | 690 | 33·12 | ... | ... | 3 | ·12 | ... | ... | 702 | 33·72 | 137 | 6·48 | 3 | ·12 | 10 | ·48 | 126 | 6·00 | 981 | 47·16 | 899 | 43·20 | |
| | Sonthal Parganas | 1,509,737 | 3,965 | 26·28 | 232 | 1·44 | 142 | ·84 | ... | ... | 2,473 | 16·32 | 34 | ·12 | 5 | ·02 | 77 | ·48 | 371 | 2·40 | 3,333 | 22·08 | 4,566 | 30·24 | |
| Orissa | Cuttack | 2,962,758 | 4,924 | 28·56 | 78 | ·36 | 35 | ·12 | ... | ... | 1,766 | 10·20 | 524 | 3·00 | 50 | ·24 | 167 | ·96 | 1,062 | 6·12 | 3,682 | 21·36 | 5,[illegible] | 33·12 | |
| | Balasore | 1,071,197 | 3,408 | 38·16 | 28 | ·24 | 36 | ·96 | ... | ... | 833 | 9·24 | 113 | 1·20 | [illegible] | ... | 75 | ·84 | 1,022 | 11·40 | 2,157 | 24·12 | 3,49[illegible] | 39·06 | |
| | Puri | 1,017,284 | 3,050 | 35·88 | 616 | 7·20 | 27 | ·24 | ... | ... | 537 | 6·24 | 388 | 4·56 | [illegible] | 1·44 | 57 | ·60 | 894 | 10·44 | 2,649 | 31·20 | 3,636 | [illegible] | |
| | Sambalpur | 636,880 | 1,962 | 36·96 | ... | .. | 8 | ·12 | ... | ... | 450 | 8·40 | 126 | 2·28 | 47 | ·84 | 29 | ·48 | 440 | 8·28 | 1,102 | 20·76 | 1,530* | [illegible]* | * For three years. Not under registration. |
| | Angul and Khondmals | | | | | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 3,123 | 31·80 | ... | ... | 61 | ·60 | ... | ... | 1,284 | 19·56 | 15 | ·12 | 5 | ·04 | 85 | ·84 | 383 | 3·84 | 2,473 | 25·08 | 2,960 | 40·32 | |
| | Ranchi | 1,187,925 | 3,860 | 38·88 | 3 | ·02 | 216 | 2·16 | ... | ... | 1,481 | 14·88 | 97 | ·96 | 11 | ·10 | 75 | ·72 | 554 | 5·88 | 2,467 | 24·84 | 2,745 | 27·72 | |
| | Palamau | 619,600 | 1,570 | 30·36 | 5 | ·09 | 166 | 3·12 | ... | ... | 1,046 | 20·16 | 10 | ·12 | ... | ... | 54 | ·96 | 250 | 4·80 | 1,531 | 29·64 | 3,185 | 61·68 | |
| | Manbhum | 1,301,364 | 4,742 | 43·68 | 133 | 1·08 | 51 | ·36 | ... | ... | 1,829 | 16·80 | 21 | ·12 | ... | ... | 55 | ·48 | 509 | 4·68 | 2,589 | 23·76 | 3,739 | 34·44 | |
| | Singhbhum | 613,579 | 1,032 | 20·16 | 8 | ·12 | 28 | ·48 | ... | ... | 679 | 13·20 | 8 | ·12 | ... | ... | 41 | ·72 | 72 | 1·32 | 836 | 16·32 | 1,126 | 21·96 | |
| | Total | 46,565,750 | 145,613 | 35·88 | 5,988 | 1·44 | 3,668 | ·84 | 359 | ·08 | 73,131 | 18·00 | 3,066 | ·72 | 1,029 | ·24 | 3,280 | ·72 | 22,356 | 5·52 | 112,868 | 27·84 | 128,940 | 31·80 | |
| | Average of corresponding months of previous five years | .... | 132,601 | 32·76 | 17,614 | 4·32 | 2,583 | ·60 | 691 | ·12 | 77,797 | 19·20 | 3,590 | ·84 | 829 | ·12 | 2,789 | ·60 | 23,047 | 5·64 | 128,940 | 31·80 | ... | ... | |
| | Difference + or − | .... | +13,012 | +3·12 | −11,626 | −2·88 | +1,085 | +·24 | −341 | −·04 | −4,666 | −1·20 | −524 | −·12 | +200 | +·12 | +491 | +·12 | −691 | −·12 | −16,072 | −3·96 | ... | ... | |

F. C. CLARKSON, LIEUT.-COL., I.M.S.,
*Sanitary Commissioner for Bengal.*

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
*The 7th August 1909.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of June 1909.*

| Districts. | Towns. | Population under registration. | Births. | | Deaths. | | | | | | | | | | | | | | | | | | Average of corresponding month of previous five years. | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cholera. | | Small-pox. | | Plague. | | Fever. | | Dysentery and Diarrhœa. | | Respiratory diseases. | | Injury. | | Other causes. | | Total of all causes. | | | | |
| | | | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | Number registered. | Ratio per 1,000 of population per annum. | |
| Burdwan ... | 1. Burdwan ... ... | 35,266 | 29 | 9·84 | 7 | 2·38 | 2 | ·60 | ... | ... | 15 | 5·04 | 5 | 1·68 | 1 | ·24 | 3 | ·96 | 13 | 4·32 | 46 | 15·60 | 58 | 19·68 | |
| Bankura ... | 2. Bankura ... ... | 20,737 | 41 | 23·64 | 16 | 9·24 | ... | ... | ... | ... | 14 | 8·04 | 7 | 3·96 | 1 | ·48 | ... | ... | 11 | 6·36 | 49 | 28·32 | 22 | 12·72 | |
| Midnapore ... | 3. Midnapore ... ... | 33,140 | 69 | 24·96 | 7 | 2·52 | ... | ... | ... | ... | 37 | 13·32 | 3 | 1·08 | 3 | 1·08 | 1 | ·36 | 12 | 4·32 | 63 | 22·80 | 77 | 27·84 | |
| Hooghly ... | 4. Hooghly and Chinsura | 29,383 | 61 | 24·84 | 12 | 4·80 | 6 | 2·40 | ... | ... | 22 | 8·88 | 10 | 4·08 | 7 | 2·76 | 2 | ·72 | 29 | 11·76 | 88 | 35·88 | 72 | 29·40 | |
| | 5. Serampore ... ... | 44,451 | 53 | 14·28 | 6 | 1·56 | 5 | 1·32 | ... | ... | 40 | 10·68 | 21 | 5·64 | | ... | 4 | ·96 | 28 | 7·44 | 104 | 27·96 | 86 | 23·16 | |
| Howrah ... | 6. Howrah ... ... | 157,594 | 204 | 15·48 | 17 | 1·20 | 17 | 1·20 | 2 | ·12 | 109 | 8·28 | 22 | 1·56 | 15 | 1·08 | 8 | ·60 | 50 | 3·72 | 240 | 18·24 | [illegible] | 27·84 | |
| 24-Parganas | 7. Cossipore-Chitpur ... | 40,750 | 62 | 18·24 | 4 | 1·08 | 5 | 1·44 | 4 | 1·08 | 9 | 2·64 | 9 | 2·64 | 29 | 8·52 | ... | ... | 24 | 6·96 | 84 | 24·72 | [illegible] | 6·36 | |
| | 8. Maniktala ... ... | 32,387 | 47 | 17·40 | 12 | 4·44 | ... | ... | ... | ... | 29 | 10·68 | 7 | [illegible] | 13 | 4·80 | ... | ... | 47 | 17·40 | 108 | 39·96 | 18 | 6·60 | |
| | 9. South Suburban ... | 26,374 | 63 | 28·56 | 3 | 1·32 | 3 | 1·32 | ... | ... | 34 | 15·36 | 2 | ·84 | 2 | ·84 | ... | ... | 9 | 4·08 | 53 | 24·00 | 34 | 15·36 | |
| | 10. Garden Reach ... | 28,211 | 63 | 26·76 | 14 | 5·88 | 5 | 2·04 | ... | ... | 20 | 8·40 | 13 | 5·52 | 18 | 7·56 | ... | ... | 14 | 5·88 | 84 | 35·64 | 29 | 12·24 | |
| | 11. Baranagore ... ... | 25,432 | 24 | 11·28 | 3 | 1·32 | 8 | 3·72 | ... | ... | 10 | 4·68 | 2 | ·84 | 2 | ·84 | 1 | ·36 | 9 | 4·20 | 35 | 16·44 | 35 | 16·44 | |
| | 12. Bhatpara ... ... | 21,540 | 32 | 17·76 | 1 | ·48 | ... | ... | ... | ... | 34 | 18·84 | 1 | ·48 | ... | ... | 1 | ·48 | 4 | 2·16 | 41 | 22·80 | 35 | 19·44 | |
| Calcutta ... | 13. Calcutta ... ... | 847,796 | 1,379 | 19·32 | 188 | 2·64 | 48 | ·60 | 273 | 3·84 | 181 | 2·52 | 107 | 1·44 | 265 | 3·72 | 22 | ·24 | 679 | 9·60 | 1,763 | 24·84 | 1,722 | 24·36 | |
| Nadia ... | 14. Krishnagar ... ... | 24,547 | 34 | 16·56 | ... | ... | 2 | ·96 | ... | ... | 13 | 6·24 | 1 | ·48 | 1 | ·48 | 1 | ·48 | 9 | 4·32 | 27 | 13·08 | 37 | 18·00 | |
| | 15. Santipur ... ... | 26,898 | 68 | 30·24 | ... | ... | 4 | 1·68 | ... | ... | 30 | 13·32 | ... | ... | 1 | ·36 | 6 | 2·64 | 1 | ·36 | 42 | 18·72 | 45 | 20·04 | |
| Murshidabad | 16. Berhampore ... ... | 24,397 | 69 | 33·84 | 2 | ·96 | ... | ... | ... | ... | [illegible] | 13·20 | ... | ... | ... | ... | 2 | ·96 | 11 | 5·40 | 42 | 20·64 | 53 | 26·04 | |
| Patna ... | 17. Patna City ... ... | 123,091 | 227 | 22·08 | 113 | 10·92 | 24 | 2·28 | 2 | ·12 | [illegible] | 11·6[illegible] | 35 | 3·36 | 6 | ·48 | 14 | 1·32 | 128 | 12·36 | 442 | 43·08 | 434 | 42·60 | |
| | 18. Bihar ... ... | 45,063 | 52 | 13·80 | 1 | ·24 | 1 | ·24 | ... | ... | [illegible] | [illegible] | 3 | ·72 | 1 | ·24 | 1 | ·24 | 16 | 4·20 | 45 | 11·88 | 80 | 21·24 | |
| | 19. Dinapore Nizamut ... | 33,699 | 32 | 11·28 | 4 | 1·32 | 2 | ·60 | 1 | ·24 | [illegible] | 6·36 | 1 | ·60 | ... | ... | 3 | ·96 | 8 | 2·76 | 37 | 13·08 | 39 | 13·80 | |
| Gaya ... | 20. Gaya ... ... | 71,416 | 166 | 27·84 | 16 | 2·64 | 5 | ·84 | ... | ... | [illegible] | 20·16 | 33 | 5·52 | 4 | ·60 | 5 | ·84 | 45 | 7·56 | 228 | 38·28 | 303 | 50·88 | |
| Shahabad ... | 21. Arrah ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Return not yet received. |
| | 22. Sasaram ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Sarun ... | 23. Chapra ... ... | 45,901 | 129 | 33·72 | 1 | ·24 | ... | ... | ... | ... | 35 | 9·12 | 5 | 1·20 | 6 | 1·56 | 9 | 2·28 | 42 | 10·92 | 98 | 25·56 | 122 | 31·80 | |
| Champaran... | 24. Bettiah ... ... | 24,606 | 70 | 33·96 | 4 | 1·92 | 1 | ·48 | ... | ... | 27 | 13·08 | 2 | ·96 | ... | ... | 2 | ·96 | 15 | 7·20 | 51 | 24·72 | 94 | 45·60 | |
| Muzaffarpur | 25. Muzaffarpur ... ... | 45,617 | 106 | 27·84 | ... | ... | ... | ... | ... | ... | 44 | 11·52 | 9 | 2·28 | 4 | ·96 | 9 | 2·28 | 31 | 8·04 | 97 | 25·44 | 147 | 38·64 | |
| | 26. Hajipur ... ... | 21,398 | 80 | 44·76 | ... | ... | ... | ... | ... | ... | 31 | 17·28 | ... | ... | ... | ... | 5 | 2·76 | 29 | 16·20 | 65 | 36·36 | 69 | 38·64 | |
| Darbhanga ... | 27. Darbhanga ... ... | 66,244 | 189 | 34·20 | ... | ... | 3 | ·48 | ... | ... | 64 | 11·52 | 11 | 1·92 | ... | ... | 4 | ·72 | 114 | 20·64 | 196 | 35·40 | 214 | 38·76 | |
| Monghyr ... | 28. Monghyr ... ... | 35,880 | 109 | 36·36 | 51 | 17·04 | 5 | 1·56 | ... | ... | 34 | 11·28 | 4 | 1·32 | 2 | ·60 | 3 | ·96 | 63 | 21·00 | 162 | 54·12 | 97 | 32·40 | |
| Bhagalpur ... | 29. Bhagalpur ... ... | 75,760 | 109 | 17·16 | 57 | 9·00 | 9 | 1·32 | ... | ... | 52 | 8·16 | 5 | ·72 | 16 | 2·52 | 2 | ·24 | 31 | 4·80 | 172 | 27·24 | 184 | 29·04 | |
| Cuttack ... | 30. Cuttack ... ... | 51,364 | 94 | 21·96 | 6 | 1·32 | ... | ... | ... | ... | 31 | 7·20 | 8 | 1·80 | 4 | ·84 | ... | ... | 15 | 3·48 | 64 | 14·88 | 85 | 19·80 | |
| Balasore ... | 31. Balasore ... ... | 20,880 | 37 | 21·24 | 5 | 2·76 | ... | ... | ... | ... | 1 | ·48 | 1 | ·48 | ... | ... | 1 | ·48 | 11 | 6·24 | 19 | 10·80 | 23 | 13·20 | |
| Puri ... | 32. Puri ... ... | 49,334 | 45 | 10·92 | 293 | 71·16 | 3 | ·72 | ... | ... | 48 | 11·64 | 10 | 2·40 | 5 | 1·20 | 3 | ·72 | 29 | 6·96 | 391 | 95·04 | 105 | 25·44 | |
| Ranchi ... | 33. Ranchi ... ... | 23,810 | 91 | 45·84 | ... | ... | 5 | 2·40 | ... | ... | 13 | 6·48 | 1 | ·48 | 2 | ·96 | 2 | ·96 | 20 | 9·96 | 43 | 21·60 | 47 | 23·64 | |
| | Total of all towns with a population of 20,000 and over ... ... ... | 2,153,056 | 3,828 | 21·24 | 843 | 4·68 | 163 | ·84 | 282 | 1·56 | 1,284 | 7·08 | 338 | 1·80 | 408 | 2·16 | 114 | ·60 | 1,547 | 8·52 | 4,979 | 27·72 | 4,758 | 26·40 | |
| | Average of corresponding month of previous five years ... ... ... | ..... | 3,222 | 17·88 | 459 | 2·52 | 173 | ·96 | 253 | 1·32 | 1,395 | 7·68 | 405 | 2·16 | 324 | 1·80 | 131 | ·72 | 1,618 | 9·00 | 4,758 | 26·40 | ... | ... | |
| | Difference + or − | ..... | +606 | +3·36 | +384 | +2·16 | −10 | −·12 | +29 | +·24 | −111 | −·60 | −67 | −·36 | +84 | +·36 | −17 | −·12 | −71 | −·48 | +221 | +1·32 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 7th August 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

# )ROLOGICAL REPORT OF THE PROVINCES OF EASTERN BENGAL AND ASSAM AND OF BENGAL FOR THE MONTH OF JUNE 1909.

| District. | Representative Stations. | Air Pressure. Highest, 8 A.M., barometer reading. | Air Pressure. Lowest, 8 A.M., barometer reading. | Air Pressure. Mean, 8 A.M., reduced to 32°. | Air Pressure. Mean reduced to sea-level and constant gravity, Lat. 45°. | Air Pressure. Departure from normal mean. | Wind. Mean direction at 8 A.M. | Wind. Mean velocity in miles daily. | Temperature. Highest of month. | Temperature. Lowest of month. | Temperature. Mean daily maximum temperature. | Temperature. Mean daily minimum temperature. | Temperature. Mean daily temperature. | Temperature. Departure from normal mean. | Humidity. Mean, 8 A.M. | Humidity. Departure from normal mean. | Cloud. Mean cloud amount, 8 A.M. | Cloud. Departure from normal mean, 8 A.M. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dibrugarh... | Dibrugarh ... | 29·442 | 29·205 | 29·310 | 29·623 | — | N39°E | 50 | 95·4 | 70·1 | 86·5 | 73·7 | 80·1 | — | 92 | — | 8·4 | — | 25·86 |
| Sibsagar ... | Sibsagar ... | 29·474 | 29·269 | 29·342a | 29·630a | —·009 | S56°E | 60 | 94·6 | 69·6 | 87·8 | 71·8 | 79·8 | —3·1 | 88 | —4 | 8·1 | —0·7 | 14·69 |
| Tezpur ... | Tezpur ... | 29·545 | 29·338 | 29·411 | 29·621 | — | N59°E | 53 | 96·1 | 74·4 | 88·6 | 77·5 | 83·0 | — | 91 | — | 8·1 | — | 6·92 |
| Kamrup ... | Gauhati ... | 29·624 | 29·374 | 29·469 | 29·619 | — | N55°E | 38 | 95·8 | 72·6 | 88·2 | 76·9 | 82·6 | — | 90 | — | 8·3 | — | 18·37 |
| Goalpara ... | Dhubri ... | 29·704 | 29·439 | 29·583a | 29·604a | —·003 | N87°E | 180 | 91·5 | 72·3 | 84·0 | 76·3 | 80·2 | —0·9 | 92 | +1 | 5·3 | —2·8 | 42·17 |
| Cachar ... | Silchar ... | 29·766 | 29·474 | 29·589b | 29·645b | +·002 | S73°E | 139 | 95·8 | 72·8 | 89·3a | 76·6 | 82·9a | +0·2 | 91 | +2 | 6·5 | —2·5 | 21·58 |
| Khasia and Jaintia Hills | Shillong ... | 25·067 | 24·913 | 24·995b | 24·947b | — | S11°E | 86 | 76·9 | 59·7 | 73·3 | 63·5 | 68·4 | — | 86 | — | 8·7 | — | 22·26 |
| | Cherrapunji | 25·675 | 25·456 | 25·533 | 25·484 | — | S9°W | 168 | 77·2 | 58·3 | 71·6 | 64·5 | 68·1 | — | 97 | — | 9·3 | — | 101·25 |
| Rajshahi ... | Rampur Boalia | 29·753 | 29·433 | 29·555 | 29·574 | +·021 | S23°E | 151 | 97·1 | 74·1 | 89·9 | 78·8 | 84·4 | 0 | 84 | —3 | 6·4 | — | 13·30 |
| Malda ... | Malda ... | 29·681 | 29·410 | 29·525a | 29·548a | —·026 | S54°E | 154 | 97·3 | 73·5 | 90·4 | 78·0 | 84·2 | —1·2 | 90 | +3 | 5·2 | — | 14·44 |
| Dinajpur ... | Dinajpur ... | 29·674 | 29·400 | 29·489 | 29·567 | —·009 | S72°E | 130 | 97·3 | 73·0 | 89·1 | 77·4 | 83·3 | —0·3 | 89 | 0 | 7·5 | —0·5 | 27·42 |
| Jalpaiguri... | Jalpaiguri . | 29·529 | 29·268 | 29·360c | 29·600c | —·013 | N75°E | 74 | 95·9 | 70·9 | 87·9 | 76·4 | 82·2 | +0·6 | 89 | 0 | 8·5 | +3·3 | 41·11 |
| Cooch Behar | Cooch Behar | 29·671 | 29·307 | 29·489 | 29·600 | — | S48°E | 54 | 93·3 | 74·6 | 86·0 | 76·5 | 81·2 | — | 90 | 0 | 8·5 | — | 52·00 |
| Rangpur ... | Rangpur ... | 29·696 | 29·421 | 29·517 | 29·595 | —·003 | S51°E | 47 | 93·6 | 70·0 | 87·3 | 74·7 | 81·0 | —0·9 | 88 | —2 | 4·2 | — | 40·42 |
| Bogra ... | Bogra ... | 29·752 | 29·473 | 29·568 | 29·595 | +·007 | S57°E | 55 | 93·7 | 73·2 | 88·6 | 78·2 | 83·3 | —0·1 | 84 | —4 | 5·0 | —1·7 | 24·29 |
| Pabna ... | Sirajganj .. | 29·791 | 29·482 | 29·587 | 29·586 | +·005 | S34°E | 83 | 92·4 | 73·8 | 87·2 | 77·5 | 82·4 | —0·6 | 89 | —2 | 7·4 | — | 13·43 |
| Dacca ... | Narayanganj | 29·778 | 29·507 | 29·614a | 29·588a | 0 | S39°E | 130 | 93·5 | 75·8 | 89·0 | 78·3 | 83·7 | 0 | 88 | —1 | 8·7 | +0·2 | 9·90 |
| Mymensingh | Mymensingh | 29·786 | 29·493 | 29·595 | 29·609 | —·003 | S45°E | 77 | 93·6 | 74·6 | 88·6a | 77·6 | 83·1a | +1·1 | 88 | —2 | 8·6 | +1·0 | 24·79 |
| Faridpur ... | Faridpur ... | 29·799 | 29·488 | 29·598 | 29·594 | —·004 | S28°E | 105 | 91·3 | 74·[illegible] | 87·8 | 77·4 | 82·6 | —0·6 | 89 | 0 | 7·8 | — | 12·81 |
| Backergunge | Barisal ... | 29·837 | 29·505 | 29·632 | 29·590 | —·002 | S24°E | 82 | 91·8 | [illegible]1 | 87·4 | 77·6 | 82·5 | —1·0 | 93 | +6 | 8·0 | —0·1 | 22·14 |
| Tippera ... | Comilla ... | 29·831 | 29·518 | 29·627 | 29·611 | +·002 | S40°E | 130 | 92·8 | ? | 88·7 | ? | ? | ? | 88 | +3 | 5·0 | — | 12·88 |
| Noakhali ... | Noakhali ... | 29·841 | 29·523 | 29·636 | 29·626 | —·003 | S35°E | 175 | 88·8 | 74·9 | 85·4 | 77·5 | 81·5 | —0·5 | 89 | +1 | 6·7 | — | 22·44 |
| Chittagong | Chittagong ... | 29·812 | 29·497 | 29·592 | 29·627 | —·005 | S37°E | 151 | 90·5 | 73·5 | 87·3 | 76·8 | 82·1 | +0·5 | 85 | —1 | 8·1 | +0·3 | 16·24 |
| | Cox's Bazar | 29·863 | 29·526 | 29·653 | 29·633 | — | S51°E | 140 | — | — | — | — | — | — | — | — | 7·2 | — | 18·30 |
| Burdwan | Burdwan ... | 29·723 | 29·344 | 29·502 | 29·549 | —·004 | S10°E | 77 | 98·4 | 76·8 | 90·6 | 79·0 | 84·8 | —1·8 | 87 | +5 | 8·2 | +0·7 | 10·63 |
| | Raniganj ... | 29·470 | 29·089 | 29·262 | 29·547 | —·022 | S45°E | 52 | 96·5 | 75·0 | 90·7 | 78·1 | 84·5 | —3·1 | 89 | +5 | 7·0 | — | 7·86 |
| Bankura ... | Bankura ... | 29·471 | 29·089 | 29·265 | 29·527 | —·025 | S[illegible]E | 51 | 97·1 | 76·2 | 90·9 | 78·6 | 84·7 | —2·5 | 83 | +6 | 6·6 | — | 15·44 |
| Midnapore | Midnapore ... | 29·652 | 29·269 | 29·448 | 29·543 | —·010 | S[illegible] | 77 | 97·3 | 74·7 | 91·2 | 78·7 | 85·0 | —2·1 | 83 | +1 | 6·0 | — | 10·57 |
| Sandheads | Sandheads ... | 29·806 | 29·410 | 29·627a | 29·551a | — | S29°W | 288 | — | — | — | — | — | — | 88 | — | 5·0 | — | 10·66 |
| 24-Parganas | Saugor Island | 29·785 | 29·384 | 29·576 | 29·545 | —·007 | S8°W | 360 | 93·5 | 75·0 | 89·0 | 80·0 | 84·5 | —1·6 | 87 | +2 | 8·2 | —0·3 | 16·[illegible] |
| Calcutta ... | Calcutta ... | 29·795 | 29·418 | 29·585 | 29·551 | —·001 | S9°E | 120 | 95·2 | 75·0 | 89·5 | 78·4 | 84·0 | —0·9 | 88 | +3 | 7·6 | +0·3 | 22·63 |
| Nadia ... | Krishnagar ... | 29·780 | 29·429 | 29·563 | 29·558 | —·025 | S32°E | 86 | 96·6 | 75·0 | 90·0 | 78·8 | 84·4 | —1·5 | 91 | +6 | 6·6 | — | 11·20 |
| Murshidabad | Berhampore | 29·748 | 29·401 | 29·53[illegible] | 29·555 | —·006 | S39°E | 144 | 94·6 | 75·2 | 89·8 | 78·4 | 84·1 | —1·4 | 86 | —3 | 8·5 | +0·4 | 10·45 |
| Jessore ... | Jessore ... | 29·798 | 29·448 | 29·584 | 29·564 | —·005 | S5°E | 77 | 94·0 | 73·7 | 88·5 | 77·6 | 83·1 | —2·1 | 87 | —1 | 8·1 | +0·2 | 13·13 |
| Patna ... | Bankipore .. | 29·556 | 29·218 | 29·384 | 29·519 | —·019 | S[illegible]°E | 242 | 102·5 | 73·7 | 91·4 | 79·0 | 85·2 | —3·0 | 83 | +6 | 6·7 | +0·9 | 13·98 |
| Gaya ... | Gaya ... | 29·370 | 28·988 | 29·188 | 29·511 | —·017 | N82°E | 80 | 104·4 | 75·2 | 93·7 | 79·2 | 86·5 | —3·5 | 80 | +5 | 6·4 | +1·1 | 16·79 |
| Shahabad | Dehri . | 29·370 | 29·017 | 29·201 | 29·503 | —·015 | S1°E | 196 | 108·3 | 75·0 | 93·7 | 79·4 | 86·5 | —3·8 | 79 | +15 | 7·4 | — | 16·24 |
| | Buxar .. | 29·486 | 29·144 | 29·315 | 29·508 | —·016 | S74°E | 149 | 103·0 | 73·1 | 92·7 | 78·2 | 85·5 | —3·2 | 82 | +11 | 7·2 | — | 11·51 |
| | Arrah ... | 29·[illegible]6 | 29·096 | 29·375 | 29·516 | —·020 | S63°E | 95 | 102·9 | 75·2 | 92·5 | 79·2 | 85·8 | —2·8 | 79 | +2 | 6·3 | — | 11·84 |
| Saran ... | Chapra .. | 29·559 | 29·172 | 29·385 | 29·519 | —·033 | ? | ? | 102·2 | 73·4 | 92·8 | 78·3 | 85·6 | —2·2 | 82 | 0 | 6·5 | — | 9·50 |
| Champaran | Motihari ... | 29·545 | 29·228 | 29·3[illegible] | 29·539 | —·032 | S84°E | 103 | 99·4 | 70·8 | 91·1 | 78·0 | 84·6 | —1·0 | 86 | 0 | 5·9 | — | 14·14 |
| Muzaffarpur | Muzaffarpur | 29·589 | 29·266 | 29·406a | 29·538a | —·031 | N7°W | 164a | 101·2 | 73·5 | 90·6a | 78·2a | 84·4a | — | 85a | +2 | 5·1a | — | 23·25 |
| Darbhanga | Darbhanga ... | 29·590 | 29·281 | 29·416 | 29·536 | —·019 | S87°E | 122 | 101·1 | 74·3 | 90·4 | 78·7 | 84·6 | —1·3 | 86 | +1 | 7·0 | +1·6 | 26·89 |
| Monghyr ... | Monghyr .. | 29·601 | 29·207 | 29·416 | 29·522 | — | S78°E | 204 | 101·9 | 67·4 | 90·8 | 77·6 | 84·2 | — | 90 | — | 7·5 | — | 19·43 |
| Bhagalpur... | Bhagalpur ... | 29·618 | 29·189 | 29·424 | 29·576 | +·002 | S45°E | 87 | 98·2 | 74·3 | 90·9 | 77·7 | 84·3 | —1·2 | 83 | +2 | 7·0 | — | 21·44 |
| Purnea ... | Purnea ... | 29·661 | 29·334 | 29·474 | 29·562 | —·006 | N50°E | 96 | 97·0 | 72·2 | 89·0 | 76·9 | 83·0 | —1·8 | 91 | +5 | 7·6 | +0·8 | 29·59 |
| Sonthal Parganas. | Naya Dumka | 29·291 | 28·941 | 29·098 | 29·541 | +·007 | S43°E | 94 | 97·4 | 73·5 | 90·3 | 77·7 | 84·0 | —2·1 | 84 | 0 | 5·3 | — | 13·34 |
| Darjeeling... | Darjeeling ... | 23·051 | 22·855 | 22·921 | 22·876 | —·004 | N63°E | 89 | 71·3 | 58·2 | 65·8 | 56·6 | 61·2 | +0·5 | 94 | —1 | 8·7 | +0·1 | 41·50 |
| Hazaribagh | Hazaribagh ... | 27·776 | 27·370 | 27·593 | 29·531 | —·014 | S44°W | 194 | 94·7 | 71·8 | 84·6 | 74·5 | 81·6 | —2·6 | 77 | +5 | 7·4 | +0·2 | 6·37 |
| Ranchi .. | Ranchi ... | 27·680 | 27·262 | 27·487a | 29·547a | —·011 | S42°W | 182 | 93·2 | 70·9 | 86·5 | 73·8 | 80·2 | —2·7 | 83 | +7 | 7·3 | +1·4 | 10·57 |
| Singhbhum | Chaibassa ... | 29·059 | 28·635 | 28·849a | 29·529a | —·009 | S43°W | 82 | 99·3 | 74·7 | 92·0 | 77·3 | 84·7 | —2·9 | 80 | +4 | 7·6 | +1·8 | 7·43 |
| Palamau . | Daltonganj ... | 29·026 | 28·651 | 28·847 | 29·527 | — | (f) | 77 | 101·6 | 70·0 | 93·4 | 78·2 | 85·8 | — | 83 | +14 | 6·4 | — | 10·16 |
| Manbhum .. | Purulia ... | 28·971 | 28·562 | 28·766 | 29·527 | — | S1°E | 85 | 98·5 | 73·6 | 90·9 | 77·1 | 84·0 | — | 93 | +16 | 7·1 | — | 7·66 |
| Sambalpur | Sambalpur ... | 29·292 | 28·885 | 29·118 | 29·550 | —·011 | S36°W | 125 | 104·1 | 73·1 | 91·2 | 77·4 | 84·3 | —4·7 | 81d | +7 | 7·8 | +1·2 | 17·97 |
| Angul . | Angul ... | 29·344 | 28·942 | 29·153 | 29·565 | — | N14°W | 142 | 97·1 | 74·0 | 90·7 | 77·2 | 84·0 | — | 83 | — | 6·2 | — | 9·81 |
| Cuttack | Cuttack .. | 29·730 | 29·325 | 29·533 | 29·556 | +·001 | S61°W | 58 | 98·4 | 75·2 | 91·7 | 78·2 | 84·9 | —2·9 | 82 | +4 | 7·2 | +0·2 | 8·17 |
| | False Point .. | 29·799 | 29·413 | 29·609 | 29·571 | +·008 | S59°W | 226 | 96·1 | 72·6 | 88·1 | 77·4 | 82·8 | —2·5 | 84 | 0 | 8·0 | 0 | 10·77 |
| Balasore ... | Balasore ... | 29·759 | 29·354 | 29·551 | 29·545 | —·002 | S33°W | 70 | 95·9 | 76·1 | 90·2 | 78·0 | 84·1 | —1·2 | 84 | —1 | 6·7 | —1·3 | 11·76 |
| Puri ... | Puri ... | 29·771 | 29·357 | 29·[illegible]75 | 29·538 | —·039 | S65°W | 304 | 92·6 | 72·6 | 88·8 | 79·5 | 84·2 | — | 82 | —5 | 6·5 | — | 9·70 |
| Ganjam | Gopalpur ... | 29·7[illegible]5 | 29·327 | 29·550 | 29·502 | —·006 | S76°W | 251 | 92·2 | 75·0 | 88·3 | 79·5 | 83·9 | —1·0 | 85 | +1 | 6·0 | — | 7·65 |
| | Calingapatam | 29·814 | 29·398 | 29·620 | 29·579 | — | S77°W | 188 | — | — | — | — | — | — | — | — | 7·4 | — | 3·07 |

(a) Mean of 29 days. (c) Mean of 22 days.
(b) " " 8 " (d) " " 10 "
(f) Indeterminate.

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF JUNE 1909.

DURING the first week, disturbances in the Bay modified the distribution of rain over the two Provinces and consequently precipitation occurred chiefly towards the eastern portions of the area under report. Mean temperature during this week was below normal in the south-west.

On the 7th a low pressure area appeared over Chota Nagpur, advanced in a northerly direction developing rapidly as it went, and giving heavy rain to Bihar. Winds were strong and exhibited a definite cyclonic circulation. This depression had practically disappeared by the 12th, when the weather in Bihar became drier.

At the beginning of the 2nd week there was a considerable reduction, for several days, in the amount of rain received by the two Provinces. Rain again became general in Bihar and nearly general in Eastern Bengal and Assam on the 17th. Temperature was then below normal almost everywhere.

During the last week the amount of rain was again considerably reduced, while on the 28th weather reassumed its ordinary monsoon character.

Summarising for the month: rainfall was above normal except in Chota Nagpur (where the defect was 20 per cent.) Bihar was 156 per cent. above the average, while the excess in Eastern Bengal and Assam was also considerable.

The usual amount of cloud was developed during the month and humidity did not deviate seriously from the normal. Temperature was nearly normal, except in Bengal, where it was 2° in defect.

*Summary of temperature.*—The highest temperature recorded was 104·4° at Gaya and the lowest 67·4° was recorded at Monghyr.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of June 1909:—

| METEOROLOGICAL DIVISIONS. | TEMPERATURE. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | *Average for month.* | | | Average mean of month above or below normal mean of month. |
| | | | Highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 96·1 | 69·6 | 87·4 | 75·5 | 81·4 | — 1·3 |
| Eastern Bengal, North ... ... | 97·3 | 70·0 | 88·3 | 77·2 | 82·8 | — 0·4 |
| Eastern Bengal, South ... ... | 93·6 | 73·1 | 87·7 | 77·5 | 82·6 | — 0·1 |
| Bengal ... ... ... | 98·[illegible] | 73·7 | 90·0 | 78·6 | 84·3 | — 1·9 |
| Bihar ... ... ... | 104·4 | 67·4 | 91·5 | 78·3 | 84·9 | — 2·4 |
| Chota Nagpur* ... ... ... | 101·6 | 70·0 | 90·1 | 76·0 | 83·1 | — 2·7 |
| Orissa ... ... ... | 104·1 | 72·6 | 89·9 | 78·2 | 84·0 | — 2·5 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province.

*Actual and average rainfall and departure from normal for the month of June 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 18·30 | 10·81 | + 2·49 |
| | Malda ... ... ... | Malda ... ... ... | 14·44 | 9·89 | + 4·55 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 27·42 | 16·15 | +11·27 |
| | Jalpaiguri ... ... | Jalpaiguri ... ... | 41·11 | 25·89 | +15·22 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 52·00 | 32·15 | +19·85 |
| | Rangpur ... ... ... | Rangpur ... ... ... | 40·42 | 19·95 | +20·47 |
| | Bogra ... ... ... | Bogra ... ... ... | 24·29 | 14·48 | + 9·81 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 13·43 | 11·57 | + 1·86 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 9·90 | 12·76 | — 2·86 |
| | Mymensingh ... ... | Mymensingh ... .. | 24·79 | 19·51 | + 5·28 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 12·81 | 13·00 | — 0·19 |
| | Backergunge ... ... | Barisal ... ... ... | 22·14 | 16·30 | + 5·84 |
| | Tippera ... ... ... | Comilla ... ... ... | 12·88 | 17·91 | — 5·03 |
| | Noakhali ... ... ... | Noakhali ... ... ... | 22·44 | 23·36 | — 0·92 |
| | Chittagong ... ... | Chittagong ... ... | 16·24 | 22·81 | — 6·57 |
| | | Cox's Bazar ... ... | 18·30 | 31·99 | —13·69 |
| Bengal .. | Burdwan ... ... ... | Burdwan ... ... ... | 10·63 | 10·17 | + 0·46 |
| | | Raniganj ... ... ... | 7·86 | 9·93 | — 2·07 |
| | Bankura ... ... ... | Bankura ... ... ... | 18·44 | 10·29 | + 8·15 |
| | Midnapore .. ... | Midnapore ... ... | 10·57 | 10·39 | + 0·18 |
| | 24-Parganas ... ... | Saugor Island ... ... | 16·09 | 10·79 | + 5·30 |
| | Calcutta ... ... ... | Calcutta ... ... ... | 22·63 | 11·04 | +11·59 |
| | Nadia ... ... ... | Krishnagar ... ... | 11·20 | 9·90 | + 1·30 |
| | Murshidabad ... ... | Berhampore ... ... | 10·45 | 9·87 | + 0·58 |
| | Jessore ... ... ... | Jessore ... ... ... | 13·13 | 13·17 | — 0·04 |
| Bihar ... | Patna ... ... ... | Bankipore ... ... ... | 13·98 | 7·76 | + 6·22 |
| | Gaya ... ... ... | Gaya ... ... ... | 16·79 | 6·78 | +10·01 |
| | Shahabad ... ... | Dehri ... ... ... | 16·24 | 6·53 | + 9·71 |
| | | Buxar ... ... ... | 11·51 | 5·36 | + 6·15 |
| | | Arrah ... ... ... | 11·84 | 6·96 | + 4·88 |
| | Saran ... ... ... | Chapra ... ... | 9·50 | 6·66 | + 2·84 |
| | Champaran ... ... | Motihari ... ... ... | 14·14 | 8·90 | + 5·24 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 23·25 | 7·26 | +15·99 |
| | Darbhanga ... ... | Darbhanga ... ... | 26·89 | 7·66 | +19·23 |
| | Monghyr ... ... ... | Monghyr ... ... | 19·43 | 7·01 | +12·42 |
| | Bhagalpur ... ... | Bhagalpur ... ... | 21·44 | 8·28 | +13·16 |
| | Purnea ... ... ... | Purnea ... ... | 29·59 | 10·41 | +19·18 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 13·34 | 9·96 | + 8·38 |
| | Darjeeling ... ... | Darjeeling ... ... | 41·50 | 24·19 | +17·31 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | 6·37 | 8·78 | — 2·41 |
| | Ranchi ... ... ... | Ranchi ... ... | 10·57 | 8·21 | + 2·36 |
| | Singhbhum ... ... | Chaibassa ... ... | 7·43 | 8·40 | — 0·97 |
| | Palamau ... ... ... | Daltonganj ... ... | 10·16 | 6·12 | + 4·04 |
| | Manbhum ... ... | Purulia ... ... ... | 7·66 | 10·09 | — 2·43 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 17·97 | 12·08 | + 5·89 |
| | Angul ... ... ... | Angul ... ... ... | 9·81 | 9·67 | + 0·14 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 8·17 | 10·91 | — 2·74 |
| | | False Point ... ... | 10·77 | 9·27 | + 1·50 |
| | Balasore ... ... ... | Balasore ... ... ... | 11·76 | 10·37 | + 1·39 |
| | Puri ... ... ... | Puri ... ... ... | 9·70 | 2·66 | + 2·04 |

METEOROLOGICAL OFFICE, BENGAL,
*The 10th August 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th August 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | In ches. | ° | ° | ° | ° | ° | Inch. | ° | ° | | | Inches | |
| August | 1st | 120·6 | 0·7 | 29·619 | 81·8 | 84·6 | 5·8 | 78·8 | 78·5 | 0·933 | 77·1 | 86 | SSE and SE by S | 118 | 0·59 | Chiefly cloudy, o, p, d. |
| " | 2nd | 143·4 | 7·5 | ·617 | 83·7 | 88·9 | 9·9 | 79·0 | 80·1 | ·982 | 78·7 | 85 | SW and SSW ... | 157 | 0·26 | Partially cloudy, d. |
| " | 3rd | 146·9 | 6·0 | ·556 | 85·4 | 91·2 | 9·9 | 81·3 | 81·1 | 1·005 | 79·4 | 82 | SW and WSW ... | 198 | 0·01 | Partially cloudy d. |
| " | 4th | 114·5 | 0·0 | ·548 | 82·6 | 87·3 | 6·4 | 80·9 | 79·9 | 0·988 | 78·9 | 83 | SW and WSW ... | 150 | 0·01 | Cloudy, o, p, d, ⚡, R. |
| " | 5th | 137·5 | 2·3 | ·616 | 80·6 | 88·5 | 13·5 | 75·0 | 77·7 | ·914 | 76·5 | 87 | NW by W and W by S. | 121 | 1·87 | Chiefly cloudy, o, p, d. |
| " | 6th | 135·1 | 1·2 | ·605 | 80·5 | 86·2 | 10·9 | 75·3 | 76·6 | ·858 | 74·6 | 82 | W by S, SW and W. | 117 | 1·10 | Chiefly cloudy, o, g, p, d. |
| " | 7th | 127·9 | 0·1 | ·616 | 80·0 | 85·0 | 9·4 | 75·6 | 77·5 | ·914 | 76·5 | 90 | W by S and WSW | 178 | 0·48 | Cloudy, o p. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·597 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·583 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 17·8 |
| The maximum possible number of hours of sunshine ... ... ... | 91·5 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·1 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 82·9 |
| The extreme variation of temperature ... ... ... ... | 16·2 |
| The maximum temperature ... ... ... ... | 91·2 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 16 |
| | % |
| The mean relative humidity ... ... ... ... ... | 86 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 87 |
| The total fall of rain from 1st to 7th August 1909 ... ... ... | 4·32 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·01 |
| The total fall from 1st January to 7th August 1909 ... ... ... | 47·46 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 37·71 |

The mean pressure, temperature, etc., are deduced from the traces of the Barograph and Thermograph and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark, gloomy; d, drizzling rain; p, passing temporary showers; ⚡, strong wind; R, thunderstorm.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 9th August 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

## BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of April 1909, compared with the corresponding period in 1908.*

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 66 | ..... | 56 | ..... | ..... | ..... | 10 | ..... | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 13,403 | ..... | 14,333 | ..... | 930 | ..... | ..... | ..... | |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... | 23 | ..... | 36 | ..... | 13 | ..... | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) (b) Twist and yarn. European | 7 | ..... | 8 | ..... | 1 | ..... | ..... | ..... | |
| (a) (b) Twist and yarn. Indian ... | 397 | ..... | 674 | ..... | 277 | ..... | ..... | ..... | |
| (c) (d) Piece-goods European | 2,521 | ..... | 1,810 | ..... | ..... | ..... | 711 | ..... | |
| (c) (d) Piece-goods Indian ... | 404 | ..... | 399 | ..... | ..... | ..... | 5 | ..... | |
| (e) Others ... ... ... | 35 | ..... | 23 | ..... | ..... | ..... | 12 | ..... | |
| IV.—Chemicals, excepting saltpetre | 132 | ..... | 174 | ..... | 42 | ..... | ..... | ..... | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 2 | ..... | 7 | ..... | 5 | ..... | ..... | ..... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 6 | ..... | 4 | ..... | ..... | ..... | 2 | ..... | |
| (b) Others ... ... | 1,342 | ..... | 2,358 | ..... | 1,016 | ..... | ..... | ..... | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 7 | ..... | 3 | ..... | ..... | ..... | 4 | ..... | |
| 2. Cutch ... ... ... | 137 | ..... | 387 | ..... | 250 | ..... | ..... | ..... | |
| 3. Indigo ... ... ... | 1 | ..... | 4 | ..... | 3 | ..... | ..... | ..... | |
| 4. Myrabolams ... ... | 15 | ..... | 5 | ..... | ..... | ..... | 10 | ..... | |
| 5. Tanning barks ... ... | 415 | ..... | 743 | ..... | 328 | ..... | ..... | ..... | |
| 6. Turmeric ... ... ... | 509 | ..... | 496 | ..... | ..... | ..... | 13 | ..... | |
| 7. Others ... ... ... | 67 | ..... | 40 | ..... | ..... | ..... | 27 | ..... | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... ... ... | 1,269 | ..... | 1,303 | ..... | ..... | ..... | ..... | ..... | |
| 2. Hay, straw and grass ... | 1,276 | ..... | 949 | ..... | ..... | ..... | 327 | ..... | |
| VIII.—Fruits and vegetables, fresh | 5,703 | ..... | 3,212 | ..... | ..... | ..... | 2,491 | ..... | |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 3,151 | ..... | 8,644 | ..... | 5,493 | ..... | ..... | ..... | Demand in Tirhut. |
| 2. Jawar and bajra ... | 469 | ..... | 4,51[illegible] | ..... | 4,017 | ..... | ..... | ..... | Demand in Tirhut. |
| 3. Rice in the husk ... | 6,988 | ..... | 7,[illegible]7 | ..... | 109 | ..... | ..... | ..... | |
| 4. Rice not in the husk | 14,232 | ..... | [illegible] | ..... | 2,511 | ..... | ..... | ..... | |
| 5. Wheat ... ... ... | 1,761 | ..... | 16,209 | ..... | 14,448 | ..... | ..... | ..... | Good crops and demand for export. |
| 6. Wheat-flour ... ... | 413 | ..... | 292 | ..... | ..... | ..... | 121 | ..... | |
| 7. Makai ... ... ... | 914 | ..... | 7,954 | ..... | 7,040 | ..... | ..... | ..... | Demand in Tirhut. |
| 8. Others ... ... ... | 2,084 | ..... | 4,035 | ..... | 1,951 | ..... | ..... | ..... | Demand in Tirhut. |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 529 | ..... | 501 | ..... | ..... | ..... | 28 | ..... | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 193 | ..... | 338 | ..... | 145 | ..... | ..... | ..... | |
| XI.—Horns ... ... ... ... | 3 | ..... | 5 | ..... | 2 | ..... | ..... | ..... | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 970 | ..... | 1,152 | ..... | 182 | ..... | ..... | ..... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... ... ... | 896 | ..... | 189 | ..... | ..... | ..... | 707 | ..... | |
| 2. Gunny-bags and cloth | 1,576 | ..... | 2,315 | ..... | 739 | ..... | ..... | ..... | |
| XIV.—Lac ... ... ... | 108 | ..... | 111 | ..... | 3 | ..... | ..... | ..... | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | 10 | ..... | 11 | ..... | 1 | ..... | ..... | ..... | |
| 2. Wrought, excepting boots and shoes. | 2 | ..... | 4 | ..... | 2 | ..... | ..... | ..... | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 5 | ..... | 3 | ..... | ..... | ..... | 2 | ..... | |
| 2. Wines and spirits of all kinds, including country spirit. | 20 | ..... | 67 | ..... | 47 | ..... | ..... | ..... | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 25 | ..... | 36 | ..... | 11 | ..... | ..... | ..... | |
| 2. ,, wrought ... | 134 | ..... | 127 | ..... | ..... | ..... | 7 | ..... | |
| 3. Copper, unwrought ... | ..... | ..... | 1 | ..... | 1 | ..... | ..... | ..... | |
| 4. ,, wrought ... | 7 | ..... | 8 | ..... | 1 | ..... | ..... | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 17 | ..... | 8 | ..... | ..... | ..... | 9 | ..... | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 599 | ..... | 412 | ..... | ..... | ..... | 187 | ..... | |
| (b) Machinery and mill-work. | 28 | ..... | 15 | ..... | ..... | ..... | 13 | ..... | |
| (c) Other manufactures, including hardware and cutlery. | 659 | ..... | 831 | ..... | 172 | ..... | ..... | ..... | |
| 6. Metallic ores ... ... | ... | ..... | ... | ..... | ..... | ..... | ..... | ..... | |
| 7. Others ... ... ... | 301 | ..... | 264 | ..... | ..... | ..... | 37 | ..... | |

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substances— | | | | | | | | | |
| 1. Marble and stone ... | 2,913 | ..... | 766 | ..... | ..... | ..... | 2,147 | ..... | |
| 2. Chalk and lime ... | 562 | ..... | 758 | ..... | 196 | ..... | ..... | ..... | |
| 3. Others ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine ... ... ... | 2,233 | ..... | 2,242 | ..... | 9 | ..... | ..... | ..... | |
| 2. Castor ... ... ... | 53 | ..... | 34 | ..... | ..... | ..... | 19 | ..... | |
| 3. Cocoanut ... ... ... | 2 | ..... | 4 | ..... | 2 | ..... | ..... | ..... | |
| 4. Mustard and rape ... | 52 | ..... | 142 | ..... | 90 | ..... | ..... | ..... | |
| 5. Others ... ... ... | 81 | ..... | 49 | ..... | ..... | ..... | 32 | ..... | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor ... ... ... | 683 | ..... | 724 | ..... | 41 | ..... | ..... | ..... | Improved crops. |
| 2. Earthnuts ... ... | ..... | ..... | 7 | ..... | 7 | ..... | ..... | ..... | |
| 3. Linseed ... ... ... | 8,297 | ..... | 14,254 | ..... | 5,957 | ..... | ..... | ..... | |
| 4. Poppy ... ... ... | 391 | ..... | 1,063 | ..... | 672 | ..... | ..... | ..... | |
| 5. Rape and mustard ... | 10,889 | ..... | 17,110 | ..... | 6,221 | ..... | ..... | ..... | |
| 6. Til or jinjili ... ... | 174 | ..... | 100 | ..... | ..... | ..... | 74 | ..... | |
| 7. Others ... ... ... | 919 | ..... | 677 | ..... | ..... | ..... | 242 | ..... | |
| XXI.—Opium ... ... ... | 408 | ..... | 808 | ..... | 400 | ..... | ..... | ..... | |
| XXII.—Paper and Pasteboard ... | 372 | ..... | 496 | ..... | 124 | ..... | ..... | ..... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts ... | 152 | ..... | 114 | ..... | ..... | ..... | 38 | ..... | |
| 2. Ghee ... ... ... | 275 | ..... | 369 | ..... | 94 | ..... | ..... | ..... | |
| 3. Others ... ... ... | 733 | ..... | 1,319 | ..... | 586 | ..... | ..... | ..... | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Others ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXV.—Salt ... ... ... ... | 9,543 | ..... | 8,643 | ..... | ..... | ..... | 900 | ..... | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre ... ... | 1,423 | ..... | 1,644 | ..... | 221 | ..... | ..... | ..... | |
| 2. Other saline substances | 651 | ..... | 584 | ..... | ..... | ..... | 67 | ..... | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts ... ... | 435 | ..... | 225 | ..... | ..... | ..... | 210 | ..... | |
| 2. Cardamoms ... ... | 103 | ..... | [illegible] | ..... | ..... | ..... | 93 | ..... | |
| 3. Chillies ... ... ... | 1,223 | ..... | 544 | ..... | ..... | ..... | 679 | ..... | |
| 4. Ginger ... ... ... | 141 | ..... | 165 | ..... | 24 | ..... | ..... | ..... | |
| 5. Pepper ... ... ... | 95 | ..... | 44 | ..... | ..... | ..... | 51 | ..... | |
| 6. Others ... ... ... | 243 | ..... | 356 | ..... | 113 | ..... | ..... | ..... | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 506 | ..... | 761 | ..... | 255 | ..... | ..... | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 9,264 | ..... | 3,534 | ..... | ..... | ..... | 5,730 | ..... | Failure of sugar-cane crop. |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 16,590 | ..... | 8,651 | ..... | ..... | ..... | 7,939 | ..... | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... ... | 1 | ..... | 7 | ..... | 6 | ..... | ..... | ..... | |
| XXXI.—Tobacco— | | | | | | | | | |
| 1. Unmanufactured ... | 4,146 | ..... | 6,523 | ..... | 2,377 | ..... | ..... | ..... | Good crops. |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars ... ... | 1 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | |
| (b) Other sorts ... | 56 | ..... | 141 | ..... | 85 | ..... | ..... | ..... | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought ... | 2,613 | ..... | 3,693 | ..... | 1,080 | ..... | ..... | ..... | |
| 2. Logs ... ... ... | 566 | ..... | 869 | ..... | 303 | ..... | ..... | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. Manufactures ... ... | 571 | ..... | 494 | ..... | ..... | ..... | 77 | ..... | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw ... ... ... | 17 | ..... | 19 | ..... | 2 | ..... | ..... | ..... | |
| 2. Manufactures— | | | | | | | | | |
| (a) Carpets and rugs ... | 2 | ..... | 1 | ..... | ..... | ..... | 1 | ..... | |
| (b) } Piece-goods { European | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) } Piece-goods { Indian | 4 | ..... | 29 | ..... | 25 | ..... | ..... | ..... | |
| (d) Other sorts of manufactures. | 1 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Indigo-seed ... ... | 65 | ..... | 28 | ..... | ..... | ..... | 37 | ..... | |
| 2. Firewood ... ... | 2,300 | ..... | 1,585 | ..... | ..... | ..... | 715 | ..... | |
| 3. Others, not specified above. | 6,261 | ..... | 15,026 | ..... | 8,765 | ..... | ..... | ..... | |
| Total ... | 1,49,521 | ..... | 1,93,594 | ..... | 67,540 | ..... | 23,176 | ..... | |

GORAKHPUR, *the 4th August 1909.*

ILLEGIBLE,
for *Chief Auditor.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried over the East Indian Railway during the month of April 1909 as compared with the same period of 1908.*

| STAPLES. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... ... | 210 | 271 | 61 | ..... |
| Coal and coke carried for the public and foreign railways ... ... ... ... ... | 575,161 | 552,579 | ..... | 22,582 |
| *Cotton*— | | | | |
| (1) Raw ... ... ... ... ... | 1,157 | 2,748 | 1,591 | ..... |
| (2) Manufactured— | | | | |
| (a) Twist and Yarn, European ... ... | 72 | 133 | 61 | ..... |
| (b) Ditto, Indian .. ... ... | 877 | 1,636 | 759 | ..... |
| (c) Piece-goods, European .. ... ... | 7,277 | 5,495 | ..... | 1,782 |
| (d) Ditto, Indian ... ... ... | 680 | 678 | ..... | 2 |
| (e) Others ... ... ... ... ... | 270 | 159 | ..... | 111 |
| Chemicals, excepting saltpetre ... ... .. | 473 | 619 | 146 | ..... |
| *Drugs*— | | | | |
| 1.—Intoxicating, other than opium ... | 7 | 3 | ..... | 4 |
| 2.—Non-intoxicating— | | | | |
| (a) Medicinal preparations ... ... | ..... | 51 | 51 | ..... |
| (b) Others ... ... ... ... | 5,342 | 80 | ..... | 5,262 |
| *Dyes and Tans*— | | | | |
| 1.—Alizarine and aniline dyes ... ... | 23 | 12 | ..... | 11 |
| 2.—Cutch ... ... ... ... ... ... | 120 | 114 | ..... | 6 |
| 3.—Indigo .. ... ... ... ... ... | 20 | 10 | ..... | 10 |
| 4.—Myrabolams ... ... .. ... ... | 603 | 274 | ..... | 329 |
| 5.—Tanning barks ... ... ... ... | 550 | 534 | ..... | 16 |
| 6.—Turmeric ... ... ... ... ... | 655 | 749 | 94 | ..... |
| 7.—Others ... .. ... ... ... ... | 598 | 451 | ..... | 147 |
| *Fodder*— | | | | |
| 1.—Oilcake ... ... ... ... ... | 4,723 | 573 | ..... | 4,150 |
| 2.—Hay, straw and grass ... ... ... | 3,885 | 2,816 | ..... | 1,069 |
| Fruits and vegetables, fresh ... ... ... | 340 | 966 | 627 | ..... |
| *Grain and Pulse*— | | | | |
| 1.—Gram and pulse ... ... ... ... | 14,387 | 28,050 | 13,663 | ..... |
| 2.—Jowar and bajra ... ... ... ... | 932 | 2,224 | 1,292 | ..... |
| 3.—Rice in the husk ... ... ... ... | 2,352 | 13,276 | 10,924 | ..... |
| 4.—Rice not in the husk ... .. ... | 38,689 | 42,180 | 3,491 | ..... |
| 5.—Wheat ... ... ... ... ... ... | 13,117 | 61,389 | 48,269 | ..... |
| 6.—Wheat flour ... ... ... ... ... | 3,221 | 2,627 | ..... | 594 |
| 7.—Others ... ... ... ... ... ... | 4,898 | 3,790 | ..... | 1,108 |
| *Hides and Skins*— | | | | |
| 1.—Hides of cattle— | | | | |
| (a) Dressed or tanned ... ... .. | ..... | 19 | 19 | ..... |
| (b) Raw ... ... ... ... ... | 1,721 | 1,769 | 48 | ..... |
| 2.—Skins of sheep, &c.— | | | | |
| (a) Dressed or tanned ... ... .. | ..... | ..... | ..... | ..... |
| (b) Raw ... ... ... ... ... | 816 | 1,043 | 227 | ..... |
| Horns .. .. .. .. .. | 67 | 29 | ..... | 38 |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... .. ... ... ... | 2,502 | 2,631 | 129 | ..... |
| *Jute*— | | | | |
| 1.—Raw ... ... ... ... ... | 9,779 | 1,789 | ..... | 7,990 |
| 2.—Gunny-bags and cloth ... ... .. | 4,177 | 7,038 | 2,861 | ..... |
| Lac ... ... ... ... .. ... ... | 1,775 | 2,191 | 416 | ..... |
| *Leather*— | | | | |
| 1.—Unwrought ... ... ... ... ... | 68 | 53 | ..... | 15 |
| 2.—Wrought, excepting boots and shoes ... | 51 | 38 | ..... | 13 |
| *Liquors*— | | | | |
| 1.—Ale and Beer ... ... ... .. .. | 394 | 532 | 138 | ..... |
| 2.—Spirits and wines of all kinds, including country spirits ... ... ... | 254 | 318 | 64 | ..... |
| 3.—All other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | 10 | 5 | ..... | 5 |
| *Metals*— | | | | |
| 1.—Brass, unwrought ... ... ... ... | 59 | 23 | ..... | 36 |
| 2.— Do., manufactures ... ... ... | 547 | 554 | 7 | ..... |
| 3.—Copper, unwrought ... ... ... | 11 | 3 | ..... | 8 |
| 4.— Do., manufactures ... ... ... | 69 | 38 | ..... | 31 |
| 5.—Iron and steel— | | | | |
| (1) Unwrought (dust, slag, pig and old for manufacture) ... ... | 2,883 | 1,982 | ..... | 901 |
| (2) Wrought— | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel .. ... ... | 4,367 | 4,038 | ..... | 329 |
| (b) Machinery and mill work ... | 683 | 474 | ..... | 209 |
| (c) Other manufactures, including hardware and cutlery ... | 2,252 | 1,421 | ..... | 831 |
| 6.—Metallic ores ... ... ... ... ... | 2,501 | 2,170 | ..... | 331 |
| 7.—Others .. ... ... ... ... ... | 623 | 540 | ..... | 83 |
| Mineral substances— | | | | |
| 1.—Marble and stone ... ... ... ... | 21,426 | 26,590 | 5,164 | ..... |
| 2.—Chalk and lime ... ... ... ... | 11,352 | 9,713 | ..... | 1,639 |
| 3.—Others ... ... ... ... ... ... | 181 | 110 | ..... | 71 |
| *Oils*— | | | | |
| 1.—Kerosine ... ... ... ... .. | 5,701 | 2,577 | ..... | 3,124 |
| 2.—Castor ... ... ... ... ... ... | 124 | 174 | 50 | ..... |
| 3.—Cocoanut ... ... ... ... ... | 226 | 189 | ..... | 37 |
| 4.—Mustard and rape ... ... ... ... | 649 | 1,147 | 498 | ..... |
| 5.—Others ... ... ... ... ... ... | 176 | 401 | 225 | ..... |
| *Oilseeds*— | | | | |
| 1.—Castor ... ... ... ... ... ... | 3,164 | 4,203 | 1,039 | ..... |
| 2.—Earthnuts ... ... ... ... ... | 194 | 25 | ..... | 169 |
| 3.—Linseed ... .. ... ... ... | 11,982 | 39,417 | 27,435 | ..... |
| 4.—Poppy ... ... ... ... ... ... | 2,137 | 3,821 | 1,684 | ..... |
| 5.—Rape and mustard ... ... .. ... | 27,625 | 33,798 | 6,173 | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 309 | 612 | 303 | ..... |
| 7.—Others ... ... ... ... ... ... | 2,213 | 1,617 | ..... | 596 |
| Opium .. ... ... ... ... ... ... | 587 | 312 | ..... | 275 |
| Paper and pasteboard ... ... ... ... | 760 | 842 | 82 | ..... |

| STAPLES. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| *Provisions—* | | | | |
| 1.—Dried fruits and nuts ... ... ... | 521 | 435 | ..... | 86 |
| 2.—Ghee ... ... ... ... | 1,320 | 1,531 | 211 | ..... |
| 3.—Potatoes ... ... ... ... | 5,205 | 7,634 | 2,429 | ..... |
| 4.—Others ... ... ... ... | 1,493 | 1,910 | 417 | ..... |
| *Rail way plant & rolling-stock carried for the public & foreign railways—* | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... ... ... ... | ..... | ..... | ..... | ..... |
| 2.—Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... |
| 3.—Materials— | | | | |
| (a) Steel rails and fish-plates ... | 59 | 4,682 | 4,623 | |
| (b) Sleepers and keys of steel and cast-iron ... ... ... ... | 5 | ..... | ..... | 5 |
| (c) Others ... ... ... | 14,645 | 12,392 | ..... | 2,253 |
| Salt ... ... ... ... ... | 19,336 | 24,341 | 5,005 | ..... |
| *Saltpetre and other saline substances—* | | | | |
| 1.—Saltpetre ... ... ... ... ... | 2,359 | 2,639 | 280 | ..... |
| 2.—Other saline substances ... ... ... | 1,125 | 1,633 | 508 | ..... |
| Silk— | | | | |
| 1.—*Raw*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 18 | 20 | 2 | ..... |
| 2.—*Piece-goods*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | |
| (b) Indian ... ... ... ... | 5 | 1 | ..... | 4 |
| *Spices—* | | | | |
| 1.—Betelnuts ... ... ... ... ... | 1,016 | 674 | ..... | 342 |
| 2.—Cardamoms ... ... ... ... ... | 15 | 66 | 51 | ..... |
| 3.—Chillies ... ... ... ... ... | 839 | 524 | ..... | 315 |
| 4.—Ginger ... ... ... ... ... | 40 | 54 | 14 | |
| 5.—Pepper ... ... ... ... ... | 258 | 181 | ..... | 77 |
| 6.—Others ... ... ... ... ... | 1,142 | 1,774 | 632 | ..... |
| *Sugar—* | | | | |
| 1.—Refined or crystallized including sugarcandy ... ... ... ... | 4,909 | 4,127 | ..... | 782 |
| 2.—Unrefined— | | | | |
| (a) Sugar ... ... ... ... ... | 7,099 | 7,237 | 138 | |
| (b) *Gur*, *rab*, jaggree, molasses and other saccharine produce ... | 1,675 | 12,029 | 10,354 | ..... |
| *Tea—* | | | | |
| 1.—Foreign ... ... ... ... ... | 46 | 58 | 12 | ..... |
| 2.—Indian ... ... ... ... ... | ..... | ..... | ..... | |
| Tobacco— | | | | |
| 1.—Unmanufactured ... ... ... ... | 3,842 | 4,970 | 1,128 | |
| 2.—Manufactured— | | | | |
| (a) Cigar ... ... ... ... | .... | 1 | 1 | ..... |
| (b) Other sorts ... ... ... ... | | 305 | 305 | |
| Wood— | | | | |
| 1.—Timber, unwrought ... ... ... | 9,871 | 6,542 | ..... | 3,329 |
| 2.—Manufactures ... ... ... | 973 | 1,057 | 84 | ..... |
| *Wool—* | | | | |
| 1.—Raw ... ... ... ... ... | 165 | 122 | ..... | 43 |
| 2.—Manufactured— | | | | |
| (a) Carpets and rugs ... ... ... | 37 | 45 | 8 | |
| (b) Piece-goods; European ... ... | 47 | 5 | ..... | 42 |
| (c) Ditto, Indian ... ... | 20 | 36 | 16 | ..... |
| (d) Other sorts of manufactures ... | 61 | 82 | 21 | ..... |
| All other articles of merchandise— | | | | |
| 1.—Bones ... ... ... ... ... | 2,756 | 2,003 | ..... | 753 |
| 2.—Firewood ... ... ... ... ... | 3,824 | 4,399 | 575 | ..... |
| 3.—Indigo seed ... ... ... ... ... | 83 | 27 | ..... | 56 |
| 4.—Paints and colours ... ... ... ... | 76 | 105 | 29 | ..... |
| 5.—Seeds other than oilseeds ... ... ... | 416 | 137 | ..... | 279 |
| 6.—Others ... ... ... ... ... | 26,586 | 17,213 | ..... | 9,373 |
| Total ... | 916,921 | 999,702 | 82,781 | ..... |
| Military stores ... ... ... ... ... | 1,108 | 2,626 | 1,518 | ..... |
| Coal for railway ... ... ... ... ... | 94,484 | 84,091 | ..... | 10,393 |
| Railway materials ... ... ... ... ... | 58,199 | 126,121 | 67,922 | ..... |
| Live-stock ... ... ... ... ... | No. 58,720 | No. 17,350 | ..... | No. 41,370 |
| Total .. | 1,070,712 | 1,212,540 | 141,828 | ..... |

JAS. CALDWELL,

*Chief Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 9th August 1909.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 24th July 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 473,208 | 3,95,111 (a) 0 0 | 58,87,281 0 | 8,72,587 (b) 0 0 | 47,157 0 0 | 13,14,855 0 0 | 158,696 | 166,364 | 325,060 |
| Or per mile of railway ... | ..... | 172 5 9 | .. | 380 10 4 | 20 9 2 | 573 9 3 | ... | ... | ... |
| For previous 2¾ weeks of half-year | 1,301,084 | 10,45,083 0 0 | 1,43,22,603 0 | 23,16,399 0 0 | 1,11,572 0 0 | 34,73,054 0 0 | 386,192 | 442,954 | 829,146 |
| Total for 33 weeks ... | 1,774,892 | 14,40,194 0 0 | 2,02,09,884 0 | 31,88,986 0 0 | 1,58,729 0 0 | 47,87,909 0 0 | 544,888 | 609,318 | 1,154,206 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 506,317 | 4,55,340 6 5 | 76,09,996 0 | 10,44,843 6 2 | 45,468 0 10 | 15,45,651 13 5 | 157,561 | 220,066 | 377,627 |
| Per mile of railway corresponding week of previous year. | ..... | 198 10 1 | ..... | 455 12 8 | 19 13 4 | 674 4 1 | ..... | ..... | ..... |
| Total for corresponding 3¾ weeks of previous year. | 1,933,053 | 15,97,422 0 1 | 2,53,37,852 0 | 37,21,635 4 11 | 1,43,568 14 5 | 54,62,625 15 5 | 564,177 | 796,911 | 1,361,088 |

(a) Decrease is due to lesser movements of passengers and pilgrims this year.
(b) Decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,33,305 | 88,76,828 | 14,24,520 | 67,395 | 21,24,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th " ... | 502,716 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | " " 24th " ... | 473,208 | 3,95,111 | 58,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| | Totals up to date ... | 1,774,892 | 14,40,194 | 2,02,09,884 | 31,88,986 | 1,58,729 | 47,87,909 | 609 | 1,154,206 | 4 2 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th " ... | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | 42,343 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | " " 25th " ... | 506,317 | 4,55,341 | 76,09,996 | 10,44,843 | 45,468 | 15,45,652 | 674 | 377,627 | 4 1 6 |
| | Totals up to date ... | 1,933,053 | 15,97,422 | 2,53,37,852 | 37,21,635 | 1,43,570 | 54,62,626 | 667 | 1,361,088 | 4 0 3 |

## BRESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 24th July 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 19,924 | 4,356 0 0 | 12,073 0 | 476 0 0 | 13 0 0 | 4,845 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... .. | ... | 196 2 1 | ... | 21 6 11 | 0 9 4 | 218 2 4 | .. | ... | .. |
| For previous 2¾ weeks of half-year | 65,688 | 14,511 0 0 | 26,695 0 | 1,137 0 0 | 24 0 0 | 15,672 0 0 | 3,249 | 359 | 3,608 |
| Total for 3¾ weeks ... | 85,612 | 18,867 0 0 | 38,768 0 | 1,613 0 0 | 37 0 0 | 20,517 0 0 | 4,586 | 518 | 5,104 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. .. ... | 20,777 | 4,527 6 10 | 20,025 20 | 396 5 0 | 7 7 3 | 4,931 3 1 | 1,342 | 154 | 1,496 |
| Per mile of railway corresponding week of previous year .. .. | ... | 203 13 7 | ... | 17 13 6 | 0 5 4 | 222 0 5 | ... | ... | ... |
| Total for corresponding 3¾ weeks of previous year .. ... ... | 102,364 | 23,322 12 6 | 86,227 0 | 1,786 12 0 | 27 11 6 | 25,137 4 0 | 4,862 | 550 | 5,412 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,786 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th „ ... | 26,502 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | „ „ 24th „ ... | 19,924 | 4,356 | 12,073 | 476 | 3 | 4,845 | 218 | 1,496 | 3 3 10 |
| | Totals up to date . | 85,612 | 18,867 | 38,768 | 1,613 | 37 | 20,517 | 923 | 5,104 | 4 0 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th „ ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | „ „ 25th „ ... | 20,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| | Totals up to date ... | 102,364 | 23,323 | 86,227 | 1,786 | 28 | 25,137 | 317 | 5,412 | 4 10 4 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 24th July 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 28,008 | 22,701 0 0 | 1,21,256 0 | 9,973 0 0 | 114 0 0 | 32,788 0 0 | 10,208 | 2,885 | 13,093 |
| Or per mile of railway ... ... | ..... | 139 13 1 | | 61 6 10 | 0 11 3 | 201 15 2 | ... | ... | ... |
| For previous 27 weeks of half-year | 68,764 | 58,950 0 0 | 2,80,294 0 | 22,893 0 0 | 340 0 0 | 82,183 0 0 | 21,857 | 7,825 | 29,682 |
| Total for 3½ weeks .. | 96,772 | 81,651 0 0 | 4,01,550 0 | 32,866 0 0 | 454 0 0 | 1,14,971 0 0 | 32,065 | 10,710 | 42,775 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 29,531 | 21,314 11 7 | 2,04,268 30 | 13,134 9 9 | 35 10 0 | 34,484 15 4 | 11,919 | 4,166 | 16,085 |
| Per mile of railway corresponding week of previous year. | ... . | 131 4 6 | ..... | 80 14 5 | 0 3 5 | 212 6 4 | ... .. | ... .. | ..... |
| Total for corresponding 3½ weeks of previous year. | 1,10,607 | 77,297 13 3 | 7,94,482 30 | 50,512 7 9 | 148 8 9 | 1,27 957 13 9 | 41,186 | 16,223 | 57,709 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July .. | 40,127 | 33,656 | 1,58,737 | 13,444 | 200 | 47 300 | 291 | 16,325 | 2 14 4 |
| 162·36 | Week ended 17th „ ... | 28,637 | 25,294 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | „ „ 24th „ ... | 28,008 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| | Totals up to date .. | 96,772 | 81,651 | 4,01,550 | 32,866 | 454 | 1,14,971 | 207 | 42,775 | 2 11 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 11 days of July ... | 49,788 | 33,292 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 25,019 | 2 2 11 |
| 162·36 | Week ended 18th „ ... | 31,188 | 22,691 | 2,47,897 | 14,810 | 37 | 37,508 | 231 | 16,005 | 2 5 7 |
| 162·36 | „ „ 25th „ ... | 29,531 | 21,315 | 2,04,269 | 13,134 | 36 | 34,485 | 212 | 16 085 | 2 2 4 |
| | Totals up to date ... | 110,507 | 77,298 | 7,94,483 | 50,512 | 148 | 1,27,958 | 221 | 57,709 | 2 3 0 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 24th July 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 55,000 | 35,500 0 0 | 182,500 0 | 36,500 0 0 | 2,500 0 0 | 74,500 0 0 | 14,254 | 18,757 | 33,011 |
| Or per mile of railway ... | 71·61 | 46·22 | 236·71 | 47·34 | 3·24 | 96·80 | 18·56 | 24·33 | 42·89 |
| For previous 3 weeks of half year ... ... ... ... | 147,000 | 97,000 0 0 | 719,500 | 1,07,500 0 0 | 9,000 0 0 | 2,13,500 0 0 | 35,217 | 47,584 | 82,801 |
| Total for 4 weeks ... | 202,000 | 1,32,500 0 0 | 902,000 0 | 1,44,000 0 0 | 11,500 0 0 | 2,88,000 0 0 | 49,471 | 66,341 | 115,812 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 53,657 | 32,150 0 0 | 240,490 0 | 45,697 0 0 | 2,587 0 0 | 80,443 0 0 | 16,256 | 17,651 | 33,907 |
| Per mile of railway corresponding week of previous year ... | 69·87 | 41·87 | 311·92 | 59·27 | 3·36 | 104·50 | 21·17 | 22·89 | 44·06 |
| Total to corresponding date of previous year ... ... ... | 188,367 | 113,653 0 0 | 872,105 0 | 1,46,989 0 0 | 13,481 0 0 | 2,74,123 0 0 | 58,424 | 63,589 | 122,013 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 24th July 1909. | | | Receipts for week ending 25th July 1908. | | | Total receipts from 1st April 1909 to 24th July 1909. | | | Total receipts from 1st April 1908 to 25th July 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 74,500 | 96·80 | 771 | 80,443 | 104·56 | 771 | 1,[illegible]2,015 | ... | 771 | 13,70,142 | ... | 65,873 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 24th July 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. (c) | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... ... .. | 323,960 | 1,21,080 | 865,350 | 1,04,540 | 18,040 | 2,44,560 | 58,684 | (d) 33,328 | 92,012 |
| Or per mile of railway | 173·24 | 65·23 | 462·75 | 55 90 | 9·65 | 130·78 | ..... | ..... | ..... |
| For previous 2¾ weeks of half-year ... ... ... . | 857,390 | 3,13,080 | 2,469,420 | 3,00,330 | 57,760 | 6,71,770 | 141,957 | 96,288 | 238,245 |
| Total for 3¾ weeks ... | 1,181,350 | 4,35,660 | 3,334,770 | 4,04,870 | 75,800 | 9,16,330 | 200,641 | 129,616 | 330,257 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... .. ... | 336,933 | 1,25,586 | 905,287 | 1,12,443 | 26,411 | 2,64,440 | 58,519 | (e) 39,735 | 98,254 |
| Per mile of corresponding week of previous year ... ... ... | 188·13 | 70·12 | 505·46 | 62·75 | 14·75 | 147·65 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 1,177,330 | 4,60,556 | 3,608,945 | 4,26,888 | 93,458 | 9,80,902 | 200,679 | 148,312 | 355,021 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·08 | | 3·14 | ·20 | 2·66 | | | |
| Ditto for corresponding week of previous year ... .. .. | | 2 15 | | 2·83 | ·27 | 2·69 | | | |

(a) Decrease under passengers due to heavy traffic last year.
(b) General decrease chiefly under local.
(c) Decrease mainly under sundries.
(d) Includes 5,924 miles of ballast trains.
(e) Includes 6,000 miles of ballast trains.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the week ending 31st July 1909 ... | Coaching ... | 4,903 | 0 | 0 | 21,927 | 0 | 0 |
| | Goods ... | 16,961 | 0 | 0 | | | |
| | Other earnings ... | 63 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 4,581 | 0 | 0 | 13,316 | 0 | 0 |
| | Goods ... | 8,665 | 0 | 0 | | | |
| | Other earnings ... | 70 | 0 | 0 | | | |
| | Increase | — | | | 8,611 | 0 | 0 |
| Receipts per mile for the week ending 31st July 1909 ... | | — | | | 429 | 15 | 1 |
| Ditto for the corresponding period of 1908 ... | | — | | | 261 | 1 | 7 |
| | Increase | — | | | 168 | 13 | 6 |
| Receipts from 1st July to 31st July 1909 ... | | — | | | 76,579 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | | — | | | 66,233 | 0 | 0 |
| | Increase | — | | | 10,346 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 11th August 1909.

REGISTERED No. C 209.]

No. 33 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, AUGUST 18, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Resolution on the Annual Report of the Port Officer, Calcutta, for the year 1908-09 ... ... ... ... | 1175—1176 |
| Report on the state of the Salt Market for the first quarter of 1909-10 ... ... ... ... ... ... | 1177—1179 |
| Monthly Weather and Crop Report of Bengal for July 1909 ... ... ... ... ... ... ... | 1180—1181 |
| Weather and Crop Report for the week ending the 16th August 1909 ... ... ... ... ... ... | 1182—1187 |
| Table of Rainfall recorded at stations in Bengal in July 1909 ... ... ... ... ... ... | 1188—1195 |
| District Rainfall Table of the Province of Bengal for July 1909 ... ... ... ... ... ... ... | 1196—1197 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in April 1909 ... ... | 1198—1204 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 14th August 1909 ... ... ... ... ... ... ... | 1205 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of July 1909 ... ... ... ... ... ... ... | 1206 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th August 1909 ... ... ... ... ... ... ... ... | 12[illegible] |
| Railway Returns ... ... ... ... ... ... | 1208—1218 |

## RESOLUTION ON THE ANNUAL REPORT OF THE PORT OFFICER, CALCUTTA, FOR THE YEAR 1908-09.

No. 1945 Marine.

**Government of Bengal,**

MARINE DEPARTMENT

*Dated Calcutta, the 11th August 1909.*

RESOLUTION.

READ—

Letter from the Port Officer, Calcutta, No. 2868, dated the 12th July 1909, submitting the Annual Report of his Department for 1908-09.

THE strength of the Pilot service at the close of the year was 54 Pilots and 15 Leadsmen Apprentices, against 52 and 16 at the close of 1907-08.

During the year one Licensed Branch Pilot retired. Two Leadsmen Apprentices were removed from the service—one on account of incompetency and the other on account of bad health. Four Leadsmen Apprentices were recruited from England.

2. The number of vessels visiting the port increased during the year: 1,642 vessels with gross tonnage of 6,241,062 arrived, while 1,636 vessels with gross tonnage of 6,228,336 left. The corresponding numbers in the previous year were 1,567 with tonnage of 6,010,081 and 1,562 with tonnage of 5,985,547.

The average tonnage of vessels entering and leaving the port was 3,803. The pilotage receipts amounted to Rs. 13,88,898, against Rs. 13,49,151 in 1907-08.

3. The number of vessels drawing over 21 feet entering and leaving the port increased, being 349 and 914, against 334 and 896 in the previous year. Many vessels, chiefly in the coal trade, enter the port in ballast and leave fully loaded.

4. Only two vessels were neaped owing to insufficient water over the bars in the river channel. The Lieutenant-Governor is glad to note that no vessel was detained during the year for want of a Pilot.

5. The number of collisions and groundings during the year were 5 and 18, against 5 and 20 in the previous year. One collision and two groundings were held to be due to an error of judgment on the part of the Pilot.

6. Forty-eight preliminary enquiries were held by the Port Officer. Of these, one was referred to a Departmental Court and four to Special Courts of Enquiry. Besides the above, four Special Courts of Enquiry were held in connection with casualties which occurred to vessels in charge of Assistant Harbour Masters; one magisterial enquiry, under section 34 of the Inland Steam-vessels Act, 1884, was also held. No Court under Act XII of 1859 was held during the year.

7. Ninety-five candidates appeared at the examinations for the grant of Colonial and Home Trade certificates of competency, of whom 54 passed; 450 candidates appeared at the examinations for the grant of certificates of competency as Masters, Serangs, Engineers and Engine-drivers, under the Inland Steam-vessels Act, 1884, of whom 173 passed. There was no candidate for the license of a steam-tug pilot.

8. Mr. G. Robertson was First Engineer and Shipwright-Surveyor till the afternoon of the 30th October 1908, when he proceeded on 13 months' furlough. Mr. E. G. Venn, R.I.M., Second Engineer and Shipwright-Surveyor, has been acting as First Engineer and Shipwright-Surveyor since that date, and Mr. F. Olford, R.I.M., Third Engineer and Shipwright-Surveyor, as Second Engineer and Shipwright-Surveyor, while Mr. H. R. Stark has been acting as Third Engineer and Shipwright-Surveyor.

9. Commander St. L. S. Warden, R.I.M., presided over the Department during the year except for 90 days from 2nd July to 2nd October, when he was on privilege leave, Commander F. Dobson, R.I.M., acting for him. Lieutenant H. E. Harold continued as Assistant Port Officer and Shipping Master throughout the year.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secy. to the Govt. of Bengal.*

## REPORT ON THE STATE OF THE SALT MARKET FOR THE FIRST QUARTER OF THE YEAR 1909-10.

No. 4168B., dated Calcutta, the 11th August 1909.

From—SRIGOPAL BHATTACHARJI, ESQ., M.A., B.L., Secretary to the Board of Revenue, L. P., Misc. Revenue Dept.,

To—The Secretary to the Government of Bengal, Financial Department.

*Member in charge:*
THE HON'BLE MR. W. C. MACPHERSON, C.S.I.

I AM directed to submit the following report on the state of the salt market for the first quarter of the year 1909-10, comprising the months of April, May and June 1909.

2. The quantity of salt of every description cleared during the quarter amounted to 34,60,843 maunds, as compared with 28,12,147 maunds in the previous quarter, and 34,01,461 maunds in the corresponding quarter of the previous year. The net amount of duty levied thereon was Rs. 31,82,731 as against Rs. 25,85,126 in the previous quarter, and Rs. 30,87,387 in the corresponding quarter of the previous year.

3. The subjoined Table I shows in detail the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter, as compared with the figures of the corresponding quarters of the two previous years:—

TABLE I.

| WHENCE IMPORTED. | 1907-1908. First quarter. | | 1908-1909. First quarter. | | 1909-1910. First quarter. | |
|---|---|---|---|---|---|---|
| | Imported. | Cleared. | Imported. | Cleared. | Imported. | Cleared. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Mds. | Mds. | Mds | Mds. | Mds. | Mds. |
| United Kingdom... | 13,96,077 | 11,85,257 | 9,96,762 | 8,41,979 | 9,39,774 | 9,92,597 |
| Hamburg and Bremen. | 3,29,182 | 2,23,232 | 3,45,073 | 3,34,519 | 3,37,380 | 1,47,175 |
| Port Said ... | 2,11,570 | 1,31,860 | 23,956 | 1,40,523 | 3,09,665 | 2,89,066 |
| Spain ... | 3,94,516 | 3,40,229 | 8,47,660 | 5,69,008 | 14,45,902 | 10,93,576 |
| Salif ... | 4,92,188 | 4,67,830 | 5,03,141 | 6,42,777 | 2,79,167 | 4,41,500 |
| Aden ... | 1,88,027 | 4,41,073 | 4,85,426 | 5,20,962 | 1,90,797 | 1,79,645 |
| Muscat, Linga, Hanjam, etc. | ... | 360 | ... | ... | ... | ... |
| Rock Salt ... | 10,072 | 6,160 | 10,085 | 4,272 | 8,124 | 3,400 |
| Bombay ... | 4,51,941 | 3,03,733 | 4,04,957 | 2,89,867 | 3,10,101 | 2,57,156 |
| Madras, Coconada, Vizagapatam, Masulipatam, etc. | 3,190 | 7,764 | ... | 708 | ... | ... |
| Phocee ... | ... | 85,145 | ... | 29,477 | ... | 22,832 |
| Belgium ... | ... | ... | ... | ... | .. | 163 |
| Total ... | 34,76,763 | 31,92,643 | 36,17,060 | 33,74,092 | 38,20,910 | 34,27,110 |

Compared with the corresponding quarter of the previous year and the same quarter of 1907-08, importations were greater by 5·6 per cent. and 9·9 per cent., respectively, and clearances were greater by 1 6 and 7·3 per cent. The increased imports from Spain and Port Said are specially noticeable.

4. Table II shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the preceding four quarters:—

TABLE II.

| WHERE STORED. | First quarter of 1908-09. | Second quarter of 1908-09. | Third quarter of 1908-09. | Fourth quarter of 1908-09. | First quarter of 1909-10. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | Mds. | Mds. | Mds. | Mds. | Mds. |
| Sulkea Government Salt Golas | 17,25,637 | 16,30,038 | 18,47,334 | 30,97,295 | 34,79,065 |
| Kidderpore Dock ditto ... | 3,37,195 | 5,06,053 | 5,77,465 | 4,43,925 | 1,22,958 |
| Chandbali (private bonded salt warehouses). | 3,103 | 9,000 | 6,000 | 24,450 | 14,000 |
| Total ... ... | 20,65,935 | 21,45,091 | 24,30,799 | 35,65,670 | 36,16,023 |

The stocks remaining in the golas at the close of the quarter were greater than those of the preceding four quarters.

5. The figures showing the despatches of salt from Calcutta by different routes during the quarter under report will be published as usual in the *Calcutta Gazette* by the Director-General of Commercial Intelligence when they are available.

6. The quantity of salt despatched during the quarter by the East Indian Railway to stations beyond Buxar amounted to 442 maunds, as against 2,197 maunds in the previous quarter and 1,711 maunds in the corresponding quarter of the previous year.

7. The quantity of saltpetre salt excised in the refineries of Bengal during the quarter amounted to 5,8[illegible]0 maunds, as compared with 11,477 maunds* in the previous quarter and 4,398 maunds in the corresponding quarter of the previous year.

8. The shipments of Liverpool salt during the quarter for the port of Calcutta according to the published market reports amounted to 34,000 tons.

| | | Tons. |
|---|---|---|
| *Fangturim* | ... | 3,000 |
| *Trifels* ... | ... | 3,000 (*vid* Rangoon). |
| *Uhenfels* | ... | 1,000 |

It is reported that the vessels noted in the margin are on the sea bound for Calcutta with cargoes of salt from Bremen. The quantity given against each ship is approximate only.

9. Table III shows the average wholesale prices† per 100 maunds of Liverpool salt and other descriptions of salt during each fortnight of the quarter:—

TABLE III.

| DESCRIPTION OF SALT. | Fortnight ending 15th April 1909. | Fortnight ending 30th April 1909. | Fortnight ending 15th May 1909. | Fortnight ending 31st May 1909. | Fortnight ending 15th June 1909. | Fortnight ending 30th June 1909. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. | Rs. A. P. |
| Liverpool *panga*... | 43 0 0 | 40 3 4 | 34 10 10 | 34 5 4 | 34 | 34 0 0 |
| Hamburg *karkuch* | 39 6 4 | 39 0 0 | ... | ... | 30 | 31 0 0 |
| Bombay *ditto* | 47 10 0 | 45 9 1 | 42 13 8 | 43 0 0 | 43 | 45 0 0 |
| Aden crushed ... | 38 0 0 | 38 0 0 | 38 0 0 | ... | ... | 30 0 9 |
| Salif do. ... | 36 4 6 | 35 9 10 | 35 0 0 | 35 0 0 | 33 | 32 3 2 |
| Spanish *karkuch* | 37 0 0 | 37 0 0 | 35 12 0 | 33 14 8 | 30 | 30 0 0 |

* Includes 10 maunds of sitta.

† These prices are exclusive of Port Commissioners' special toll of annas 4 per ton and Customs duty of Re. 1 per maund.

During the quarter the prices of Liverpool *panga*, Hamburg and Spanish *karkuch*, Aden and Salif crushed fell. The prices of Bombay *karkuch* fell at first but rose towards the end of the quarter. The general fall in prices is said to be due to competition between Liverpool and Spanish salt. No imports of Madras salt were made into the port of Calcutta during the quarter.

10. The quantity of sea-imported salt admitted into, and cleared from, bond at the inland warehousing station of Chandbali in the district of Balasore, during the quarter and the corresponding quarter of the previous year, is given below:—

| Description of Salt. | Admitted into bond. | | Cleared. | |
|---|---|---|---|---|
| | First quarter of 1908-09. | First quarter of 1909-1910. | First quarter of 1908-09. | First quarter of 1909-1910. |
| 1 | 2 | 3 | 4 | 5 |
| | Mds. | Mds. | Mds. | Mds. |
| English *panga* ... | 26,000 | 24,000 | 30,369 | 33,733 |

As compared with the corresponding quarter of the previous year, the quantity admitted into bond fell by 7·7 per cent., but the quantity cleared rose by 11·1 per cent.

11. The quantity of Madras and Bombay salt imported inland and consumed in each of the districts of the Orissa Division, and in the Tributary States during the quarter and the previous two quarters, is shown below:—

| Name of district. | Madras salt. | | | Bombay salt. | | |
|---|---|---|---|---|---|---|
| | Third quarter of 1908-09. | Fourth quarter of 1908-09. | First quarter of 1909-10. | Third quarter of 1908-09. | Fourth quarter of 1908-09. | First quarter of 1909-10. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | Mds. | Mds. | Mds. | Mds. | Mds. | Mds. |
| Cuttack ... | 2,26,866 | 1,55,590 | 2,02,150 | ... | ... | ... |
| Balasore ... | ... | ... | ... | ... | ... | ... |
| Puri ... | 78,254 | 61,805 | 79,748 | ... | ... | ... |
| Tributary States | 31,020 | 13,768 | 36,685 | 8,460 | 2,393 | 15,222 |
| Total ... | 3,36,140 | 2,31,163 | 3,18,583 | 8,460 | 2,393 | 15,222 |

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR JULY 1909.

*Character of the season.*—The rainfall during the month under review was below the normal in all districts excepting Orissa and Darbhanga where it was in excess.

The usual rainfall table is appended.

*Progress of agricultural operations.*—Transplantation of winter rice continued during the month. Rain was needed in most districts of Lower Bengal and Chota Nagpur and also in Purnea and the Sonthal Parganas.

*State of standing crops.*—Sugarcane, jute and other autumn crops are doing well. The autumn crops in Bihar were greatly benefited by the break in the rains and by sunshine in the middle of the month.

*Prospects and probable outturn of harvests.*—Prospects of jute and other autumn crops are fair.

*Damage to crops.*—Some damage was done by insects to jute and autumn paddy in Nadia and to sugarcane in Murshidabad. Floods did some injury to jute on low lands in Purnea and to autumn crops in Shahabad.

*Condition of agricultural stock.*—The condition of cattle was on the whole fair. Rinderpest was reported from Sambalpur and ordinary cattle-diseases from Burdwan, Bankura, Nadia, Murshidabad, Jessore, Khulna, Patna, Gaya, Saran, Champaran, Muzaffarpur, Monghyr, Purnea, the Sonthal Parganas, Angul, Puri, Ranchi, Palamau and Manbhum.

*Failure of pasturage and fodder.*—The fodder and water supply was sufficient throughout the province.

*Price of food-grains.*—During the second fortnight of the month the price of common rice rose in four and fell in fifteen districts. Prices of food-grains are easier than in the corresponding period of last year.

*Condition of labouring classes and agricultural population.*—Prospects of harvests are good The condition of the labouring classes are better and relief operations have been closed in the affected districts.

CALCUTTA,
*The 17th August 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal.*

*Statement showing the Rainfall in each district during July 1909.*

| Division. | District. | Normal district rainfall for the month of July. | Actual district rainfall for the month of July. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 12·25 | 8·49 | — 3·76 |
| | Birbhum ... | 12·49 | 7·54 | — 4·95 |
| | Bankura ... | 12·22 | 8·57 | — 3·65 |
| | Midnapore ... | 12·43 | 10·75 | — 1·68 |
| | Hooghly ... | 12·02 | 6·55 | — 5·47 |
| | Howrah ... | 11·53 | 9·34 | — 2·19 |
| | 24-Parganas ... | 12·98 | 9·87 | — 3·11 |
| | Calcutta ... | 12·31 | 9·94 | — 2·37 |
| | Nadia ... | 10·36 | 7 22 | — 3·14 |
| | Murshidabad ... | 10·90 | 8·67 | — 2·23 |
| | Jessore ... | 10·64 | 9·34 | — 1·30 |
| | Khulna ... | 13·10 | 12·92 | — 0·18 |
| Bihar ... | Patna ... | 12·40 | 11·34 | — 1·06 |
| | Gaya ... | 12·40 | 10 80 | — 1·60 |
| | Shahabad ... | 12·69 | 10·73 | — 1·96 |
| | Saran ... | 11·77 | 10·06 | — 1·71 |
| | Champaran ... | 13·72 | 11·91 | — 1·81 |
| | Muzaffarpur ... | 12 03 | 9·16 | — 2·87 |
| | Darbhanga ... | 12·59 | 13·69 | + 1·10 |
| | Monghyr ... | 13·33 | 9·94 | — 3·39 |
| | Bhagalpur ... | 12 72 | 8·21 | — 4·51 |
| | Darjeeling ... | 32·08 | 28·64 | — 3·44 |
| | Purnea ... | 18·16 | 10·73 | — 7·43 |
| | Sonthal Parganas | 12·68 | 9·50 | — 3·18 |
| Orissa ... | Cuttack ... | 11·89 | 17·52 | + 5·63 |
| | Balasore ... | 12·03 | 14·63 | + 2·60 |
| | Angul ... | 12·17 | 11·03 | — 1·14 |
| | Puri ... | 10·23 | 15·20 | + 4·97 |
| | Sambalpur ... | 18·37 | 18·89 | + 0·52 |
| Chota Nagpur | Hazaribagh ... | 14·33 | 9·47 | — 4·86 |
| | Ranchi ... | 14·38 | 13·69 | — 0·69 |
| | Palamau ... | 13 ·85 | 13·37 | — 0·48 |
| | Manbhum ... | 12·80 | 8·45 | — 4·35 |
| | Singhbhum ... | 15·07 | 10·91 | — 4·16 |

## WEATHER AND CROP REPORT.

*For the week ending the 16th August 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 3·74 | 8¾ | 8¼ | Rainfall general and sufficient. Weather hot. Transplantation of *aman* paddy and harvesting of jute going on. *Aus* paddy and sugarcane thriving. Food-grains, fodder and drinking water sufficient. No cattle-disease. Prices falling. |
| 2 | BIRBHUM ... | 1·17 | 9 | 8½ | Rainfall at Rampur Hât 2·41 inches. Paddy seedlings being transplanted. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 1·16 | 9 | 9 | Rainfall at Vishnupur 2·58 inches. Weather seasonable. Transplantation of *aman* paddy nearly completed. State of crops good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 3·77 | 9 | 9 | Rainfall at Contai 1·59, at Tamluk 1·40, and at Ghatal 2·83 inches. Transplantation of winter rice going on. Prospects of autumn rice, jute and other autumn crops fair. Sowing of early cotton going on. Cattle-disease in thanas Midnapore, Keshpur and Keshiari. Fodder and water sufficient. Common rice selling at 11 seers a rupee at Contai, at 7½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 2·54 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. Prospects of jute and *aus* paddy fair. Transplantation of winter paddy going on. No likelihood of scarcity. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 4·73 | 8½ | 8½ | The week's rainfall very beneficial to crops. Transplantation of winter rice nearing completion. Harvesting of *aus* paddy and jute commenced. Prospects of *aus* paddy fair at the Ulubaria subdivision and good at the Sadar subdivision. Outturn of jute estimated at 50 per cent. Fodder and water and stocks of food-grains sufficient. Common rice selling at 8½ seers per rupee at Ulubaria and at 9 seers in the interior. |
| 7 | 24-PARGANAS | 3·31 | 9 | 9 | Rain wanted at Barasat and Basirhat. Harvesting of jute commenced. Common rice selling at 8 seers a rupee at Barasat, at 9¾ seers at Basirhat, 9¼ seers at Diamond Harbour and at 8½ seers at Barrackpore. |
| 8 | NADIA ... | 3·71 | 8 9/16 | 8⅞ | Rainfall at Ranaghat 3·16, at Meherpur 4·03, at Chuadanga 5·89 and at Kushtia 6·27 inches. Prospects improved. Harvesting of *aus* paddy and transplantation of *aman* paddy continuing. Weather favourable for jute. Condition of the crop good. Harvesting and steeping continuing. Water still wanted for steeping. Prices of staple food-grains risen. Stocks of food-grains sufficient. Fodder and water sufficient. Cattle-disease prevailing in thanas Gangani and Karimpur. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 2·19 | 8½ | 8½ | Weather seasonable. Rainfall at Lalbagh 1·36, at Kandi 2·04, and at Jangipur 3·70 inches. More rain wanted in the Sadar and Lalbagh subdivisions for *aman* paddy. Transplantation of *aman* paddy continuing. Condition of mulberry, sugarcane and *bhadoi* crops favourable. Harvesting of *bhadoi* crops going on. Condition of jute satisfactory. Weather and rainfall normal. Prospects favourable. Harvesting commenced in the Lalbagh subdivision. Fodder and water sufficient. Agricultural stock in fair condition. No cattle-disease. |
| 10 | JESSORE ... | 1·85 | 9⅞ | 9 11/16 | Rainfall at Jhenidah 4·87, at Magurah 4·96, at Narail 4·85 and at Bangaon 4·78 inches. Weather seasonable. Rainfall general. Harvesting of *aus* paddy and jute going on. Prospects good. Some damage to *aus* paddy caused by incessant rain. Condition of jute favourable. Stocks of food-grains and fodder and water sufficient. Condition of agricultural stock good. Cattle-disease reported from the Jhenidah and Bangaon subdivisions. |
| 11 | KHULNA ... | 5·23 | 10 | 10 | Rainfall at Bagerhat 5·33 and at Satkhira 4·05 inches. Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of winter rice progressing. Prospects of standing crops fair. Jute suffered to some extent. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 0·74 | 9¼<br>12¾* | 9<br>13* | Weather hot and cloudy. Early sown *bhadoi* crops being harvested in some places. Transplantation of paddy going on. Condition of standing crops good. Sugarcane doing well. Stocks of food-grains sufficient. Condition of agricultural stock fair. Cattle-disease reported from Maner thana. Fodder and water sufficient. |
| 13 | GAYA ... | 0·14 | 10¼†<br>12⅝* | 10⅛†<br>12 13/16* | Weather cloudy. Sugarcane promising well. Harvesting of *marua* begun. Break in rains good for *bhadoi* crops and transplantation of winter paddy. Prices easier. Fodder and water ample. No cattle-disease. |
| 14 | SHAHABAD ... | 0·55 | 9¾†<br>12* | 9¾†<br>12* | Rainfall at Buxar 0·32 and at Bhabhua 0·26 inch. Transplantation of paddy in progress. *Bhadoi* crops being harvested. Sugarcane doing well. Prices of food-grains stationary. Food-stocks below the normal. Condition of agricultural stock normal. Fodder and water sufficient. Cattle-disease reported from village Baduna in Buxar police-station. |
| 15 | SARAN ... | 1·49 | 9¾<br>14* | 9¾<br>14* | Rainfall at Gopalganj 1·12 inches. Weather seasonable. Transplantation of winter rice nearly finished. Weeding of *bhadoi* crops going on. Standing crops doing well. Prices of staple food-grains stationary. Agricultural stock in fair condition. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 2 99 | 9¾<br>15½* | 9½<br>16* | Weather cloudy and rainy. Rainfall at Bettiah 4·32 inches. Some damage to crops caused by floods. No more rain wanted for the present. Transplantation of *aghani* paddy and weeding of *bhadoi* crops approaching completion. Fodder and water sufficient. Cattle-disease reported from Bettiah, Bagaha and Dhanaha. |
| 17 | MUZAFFARPUR | 4·17 | 9<br>13½* | 9<br>13½* | Weather hot and cloudy at times. Rainfall at Sitamarhi 3 21 and at Hajipur 1·90 inches. General rain throughout the district. Prospects of all standing crops excellent. Common rice and *makai* selling at 8 and 14½ seers a rupee, respectively, at Sitamarhi, and at 8 and 13½ seers a rupee, respectively, at Hajipur. Fodder and water sufficient. Cattle-disease reported in Mahuwa and Katra thanas. |
| 18 | DARBHANGA ... | 0 40 | 9½<br>13½* | 9<br>13½* | Weather cloudy. Rain received during the week. Prospects of standing crops good. Transplantation of paddy in progress. Food-stocks sufficient. Fodder and water available. *Makai* selling at 13½ seers per rupee in the Darbhanga *bazar*, but dearer in the interior. |
| 19 | MONGHYR ... | 1·82 | 8½<br>13* | 8<br>13* | Moderate rainfall during the week. Weather cloudy and somewhat damp with occasional sunshine. Transplantation of paddy seedlings continuing. Condition of standing crops good, except in Sikandra *thana* owing to heavy rain. Price of common rice slightly fallen. No cattle-disease reported. Fodder and water sufficient. Stocks of food-grains sufficient. |
| 20 | BHAGALPUR ... | 0·97 | 8⅞<br>12⅜* | 8¼<br>13¼* | Weather seasonable. Jute doing well. Condition of standing crops very good. Transplantation of *aghani* paddy going on. Harvesting of *marua* and other *bhadoi* crops in progress. Cattle-disease reported from Supaul and Dagmora in the Supaul subdivision and from Madhipura. Condition of agricultural stock good. Fodder and water sufficient. Prices of food-grains stationary but beginning to fall in the Madhipura subdivision. |
| 21 | PURNEA ... | 1 28 | 8¾ | 8 | Rainfall at Kishanganj 3·15 and at Araria 2·70 inches. Weather very hot and cloudy. Transplantation of *aghani* paddy still going on. More rain wanted. Harvesting of *bhadoi* paddy and jute in progress. Prospects good. Cattle-disease reported from the Sadar and Raniganj thanas. Fodder and water sufficient. Stocks of food-grains sufficient due to import. Common rice selling at 8½ and 8 seers a rupee at Kishanganj and Araria respectively. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 6·62 | 8<br>13* | 8<br>13* | Rainfall at Siliguri 14·15 inches. Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing well. Terai—Transplantation of winter rice going on. Maize and jute being harvested Prospects of *bhadoi* crops and jute unfavourable owing to heavy rain. Prices rising. |
| 23 | SONTHAL PARGANAS. | 3·12 | 9¾<br>13* | 9½<br>13* | Rainfall at Deoghar 0·45, at Godda 0·50, at Jamtara 4·35, at Pakour 1·40 and at Rajmahal 0·73 inches. Transplantation of winter paddy still going on. Maize thriving well. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. No cattle-disease reported Fodder and water sufficient. Prospects of jute unfavourable. |
| 24 | CUTTACK ... | 0·13 | 11 13/16 | 11 5/32 | *Laghu beali* paddy being cut. *Guru beali* paddy and *mandia* ripening. *Saradh* paddy being transplanted and weeded. Condition of jute fair. Sugarcane and *arhar* growing well. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 1·08 | 11¾ | 11½ | Rainfall at Bhadrak 1·98 inches. Weather seasonable. Transplanting and weeding of *saradh* paddy continuing. *Beali* paddy in ear and ripening. Sugarcane, jute and *bhadoi* crops thriving well. Prospects of jute favourable. No cattle-disease. Fodder and water sufficient. Common rice selling at 11½ seers per rupee at Bhadrak. Prices falling at the Sadar subdivision and stationary at Bhadrak. |
| 26 | ANGUL ... | 1·00 | 15¾ | 16¼ | Rainfall at Phulbani 0·07 inch. Weather hot and cloudy. More rain wanted for puddling and transplantation of winter rice. Condition of agricultural stock good. Common rice selling at 12 seers a rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 0·11 | 9 3/16 | 9 7/16 | Rainfall at Khurda 0·03 inches. Weeding and transplantation of *saradh* paddy going on. *Beali* paddy and *mandia* coming into ear Sugarcane and cotton growing well. No cattle-disease. Fodder and water supply sufficient. Common rice selling at 10½ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 1·62 | 12⅜ | 11⅝ | Thinning of winter rice finished in the Sadar subdivision, but continuing in Bargarh *tahsil*. Transplantation of winter rice, weeding of autumn and winter rice and sowing of *til*, *urid* and *kulthi*, continuing. Condition of sugarcane and *bhadoi til* good and that of maize fair. Stocks of food-grains and fodder and water supply sufficient. No apprehension of scarcity. Rinderpest, anthrax, and foot-and-mouth diseases reported. Cheapest common rice selling at 15 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 0·76 | 8½<br>12½* | 8½<br>12½* | Weather seasonable. Transplantation of paddy in progress, but more rain wanted. Standing crops doing well. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 1·53 | 8 | 8¼ | Weather seasonable. Transplantation of paddy continuing. Sowing of *sirguja* and *kurthi* in progress. *Gondli* being harvested. Cattle-disease reported from one thana. Fodder and water sufficient. |
| 31 | PALAMAU ... | 0·03 | 8¾ | 8¾ | Weather seasonable. Winter paddy and *bhadoi* crops in good condition. Sowing of *til* continuing. Fodder and water sufficient. Some cattle-disease reported from one thana. |
| 32 | MANBHUM ... | 1·75 | 11 | 9 | Rainfall at Dhanbaid 4·26 inches. Weather seasonable. Condition of standing crops good. Transplantation of winter rice nearly finished. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·92 | 8 | 8 | Weather seasonable. Transplantation of winter rice nearly finished. More rain wanted. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers a rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 6·16 | 7 9/34 | 7 5/31 | Weather hot and rainy. Harvesting of *bitri* paddy and transplanting of *haimantik* seedlings and cutting and steeping of jute continuing. Prospects of jute fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 2·53<br>Athmallik ... 1·34<br>Baramba ... 1·46<br>Baud ... 1·41<br>Bonai ... 3·21<br>Daspalla ... 1·96<br>Dhenkanal ... 3·16<br>Gangpur ... 3·58<br>Hindol ... 2·36<br>Kalahandi ... 0·35<br>Keonjhar ... 6·49<br>Khandpara ... Copious rain fell one day and slight rain three days during the week.<br>Mayurbhanj ... 3·48<br>Narsinghpur ... 1·11<br>Nayagarh ... 1·57<br>Nilgiri ... 5·89<br>Pal-Lahara ... 7·50<br>Patna ... 0·48<br>Rairakhol ... 0·86<br>Rampur ... 0·88<br>Sonpur ... 3·26<br>Talcher ... 3·61<br>Tigiria ... Slight rain during the week.<br>Weather seasonable. Maize in Dhenkanal and Nayagarh and *bhadoi til* in Pal-Lahara being harvested. Transplantation and reploughing of lands continuing. Standing crops doing well. Fodder and water sufficient. Price of common rice ranging from 10 seers in Tigiria and 11½ seers in Dhenkanal and Athmallik to 17 seers in Patna and 20 seers in Talcher. |

* The report is for the week ending the 7th August 1909.

GENERAL SUMMARY.—Rain was general all over the Province. The fall was heavy in Darjeeling, Cooch Behar and in parts of Nadia and Khulna, moderate in Howrah, Jessore, Champaran and Muzaffarpur and light elsewhere. More rain is reported to be wanting in parts of the 24-Parganas, Murshidabad, Purnea, Angul, Hazaribagh and Singhbhum. Transplantation of winter rice continues. Harvesting of autumn paddy and jute has commenced. The condition of standing crops is generally fair, but they have been damaged to some extent by heavy rain in Jessore, Khulna and Darjeeling and by floods in Champaran. The price of common rice has risen in Nadia, Angul and Ranchi, and has fallen in Burdwan, Birbhum, Jessore, Patna, Gaya, Champaran, Darbhanga, Cuttack, Balasore, Sambalpur, and Manbhum and in the Bhagalpur Division excepting Darjeeling. Rinderpest is reported from Sambalpur, and ordinary cattle-diseases from Midnapore, Nadia, Jessore, Patna, Shahabad, Champaran, Muzaffarpur, Bhagalpur, Purnea, Angul, Ranchi and Palamau. The fodder and water supply is sufficient.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 17th August 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal.*

## TABLE OF RAINFALL RECORDED AT

| Division. | District. | Station | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan. | Burdwan | Katua | 0·15 | 4·35 | 0·02 | ... | ... | ... | ... | ... | 0·50 | .. | ... | ... | 0·36 | 0·84 | 0·09 | 0·87 | 0·45 | ... | ... | ... |
| | | Burdwan | . | 0·54 | 0·05 | 0·28 | ... | ... | .. | ... | 0·05 | 0·03 | 0·01 | 0·03 | 0·10 | 1·00 | 0·62 | 0·19 | 0·04 | ... | 0·01 | 0·12 |
| | | Katwa .. | 2·40 | 0·87 | 2·74 | 0·33 | 0·31 | ... | .. | ... | ... | 0·06 | 0·55 | ... | 0·01 | 0·10 | 0·03 | 0·27 | 0·18 | 0·04 | ... | ... |
| | | Raniganj . | 0·06 | 0·42 | 0·28 | 0·55 | 0·05 | ... | ... | ... | ... | 0·08 | 0·32 | ... | ... | 0·18 | 0·12 | 1·05 | 0·1[illegible] | 0·05 | 0·05 | .. |
| | | Mankur ... | . | ... | 1·05 | 1·95 | 0·60 | ... | ... | ... | ... | 0·43 | ... | ... | ... | ... | ... | 0·42 | 0·4[illegible] | ... | 0·13 | 0·45 |
| | Birbhum | Suri .. | 0·05 | 0·98 | 0·55 | 0·28 | 0·12 | ... | .. | .. | ... | 0·21 | ... | 0·08 | ... | 0·73 | 0·20 | 0·12 | 0·07 | 0·07 | ... | ... |
| | | Hetampur ... | 0·12 | 0·06 | 0·09 | 0·09 | 0·18 | 0·18 | ... | ... | ... | ... | 0·03 | ... | ... | ... | 0·24 | 0·57 | 0·85 | 0·69 | 0·02 | 0·75 |
| | | Rampur Hat | 1·17 | 0·02 | 0·62 | 1·15 | 0·07 | ... | ... | . | . | 0·03 | ... | ... | 0·05 | 0·19 | 0·32 | 0·09 | 0·03 | ... | . | 0·10 |
| | | Bolpur .. | ... | | 0·40 | 0·40 | 0·14 | .. | ... | ... | ... | 0·07 | ... | ... | ... | 0·10 | 0·07 | 0·12 | 0·47 | ... | 0·03 | ... |
| | | Murari ... | 0·57 | 0·56 | 0·54 | 0·20 | ... | ... | .. | ... | 0·40 | 0·05 | ... | ... | ... | ... | 1·10 | 0·40 | 0·48 | 0·10 | ... | 0·05 |
| | | Labpur ... | .. | ... | 2·60 | ... | ... | ... | ... | ... | ... | ... | ... | .. | 0·60 | 0·20 | ... | 0·40 | 0·25 | ... | ... | ... |
| | Bankura | Bankura . | 0·82 | 0·35 | 0·43 | 0·32 | 0·01 | ... | ... | ... | ? | ... | 0·24 | ... | 0·01 | 0·02 | 0·28 | 0·93 | 0·10 | 0·03 | ... | .. |
| | | Vishnupur ... | . | . | 1·42 | 1·23 | 0·12 | . | .. | .. | ... | 0·04 | ... | 0·26 | ... | 1·01 | 1·78 | 0·53 | 0·06 | ... | 0·02 | 0·03 |
| | | Maliara . | 1·15 | 2·22 | 1·45 | 0·48 | 0·06 | 0·21 | ... | ... | | 0·18 | 0·06 | ... | ... | 0·40 | 0·78 | 0·42 | 0·36 | ... | 0·10 | ... |
| | | Khatra ... | ... | ... | 0·38 | 0·12 | 0·09 | .. | ... | .. | 0·02 | 0·09 | ... | 0·10 | ... | 0·32 | ... | 0·43 | 0·27 | 0·02 | .. | ... |
| | | Indas ... | .. | ... | 0·50 | 0·20 | 0·23 | ... | ... | ... | ... | ... | ... | ... | .. | 0·41 | 0·47 | 0·20 | 0·23 | ... | ... | 0·10 |
| | | Kotalpur ... | ... | ... | | ... | | ... | ... | ... | ... | ... | ... | ... | 0·55 | . | 2·10 | 0·59 | 0·08 | ... | ... | ... |
| | | Onda ... | . | 0·04 | 0·65 | 0·25 | 0·03 | ... | ... | ... | 0·03 | .. | ... | 0·07 | ... | 0·51 | 0·04 | 0·35 | 0·14 | 0·12 | ... | 0·08 |
| | | Gangajalghati | 0·16 | 1·00 | 0·7 | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | 0·11 | 0·37 | 0·50 | 0·19 | ... | . . | ... |
| | | Raipur ... | ... | 0·70 | 2·90 | 0·01 | ... | ... | ... | ... | ... | ... | ... | .. | ... | 0·50 | 0·25 | 1·90 | 0·52 | 0·28 | ... | ... |
| | | Sonamukhi ... | ... | .. | 0·70 | 0·12 | ... | ... | ... | ... | 0·12 | 0·06 | ... | 0·25 | ... | 0·27 | 1·44 | 0·11 | 0·40 | ... | ... | ... |
| | Midnapore ... | Pachet ... | 0·67 | ... | ... | .. | .. | ... | ... | ... | 1·22 | 0·28 | ... | ... | 1·54 | 0·31 | ... | 3·00 | 0·16 | ... | ... | ... |
| | | Contai ... | 0·05 | 0·12 | 0·15 | 0·48 | 0·31 | ... | ... | ... | 0·53 | 0·05 | ... | 1·06 | 0·61 | 0·66 | 0·27 | 2·14 | 1·48 | 0·06 | ... | 0·02 |
| | | Tamluk | ... | 2·44 | 0·92 | | 0·18 | .. | .. | ... | 1·50 | 0·30 | ... | 0·24 | 0·40 | 0·94 | 0·10 | 0·07 | 0·03 | ... | ... | 0·21 |
| | | Midnapore | 0·21 | 0·36 | 0·22 | 0·33 | 0·04 | 0·02 | ... | ... | 0·20 | 0·05 | ... | 0·04 | 0·22 | 0·93 | 0·05 | 1·05 | 0·30 | 0·27 | 0·05 | 0·03 |
| | | Ghatal . | 0·12 | 0·04 | 0·08 | ... | 0·05 | .. | ... | ... | 1·18 | 0·25 | ... | 0·12 | 0·38 | 0·15 | 0·15 | 0·64 | 0·33 | 0·05 | 0·09 | ... |
| | | Kukrahaty ... | ... | 0·62 | 0·28 | ... | .. | ... | .. | ... | 0·06 | 0·48 | 0·10 | 0·57 | 0·20 | 2·22 | 0·24 | 0·58 | 0·13 | 0·01 | ... | ... |
| | | Amlagura ... | ... | ... | 1·30 | ... | 0·30 | | ... | ... | . . | 0·22 | ... | 0·27 | 0·50 | 0·18 | 2·80 | ... | 1·10 | .. | .. | 0·16 |
| | | Panskura ... | 0·28 | 0·63 | 0·02 | 1·29 | 0·40 | 0·04 | ... | ... | 0·15 | 0·42 | ... | 0·05 | 0·18 | 0·36 | ... | 1·32 | 0·20 | 0·17 | 0·06 | 0·58 |
| | | Dantan | . | 1·60 | ... | 0·25 | | .. | ... | ... | 0·25 | 0·10 | 4... | ... | 0·90 | ... | ... | 2·50 | 0·70 | 0·15 | ... | ... |
| | | Chandrakona | ... | | 0·17 | 0·10 | .. | ... | ... | ... | 0·29 | 0·11 | ... | ... | 0·44 | 0·25 | ... | 1·30 | 0·38 | 0·07 | 0·3[illegible] | 0·39 |
| | | Bhagwanpur .. | ... | 1·88 | 0·08 | . | .. | 0·15 | ... | ... | 1·60 | 0·34 | 0·11 | | 0·42 | 0·08 | 0·11 | 2·50 | 0·07 | ... | ... | ... |
| | | Kultikri ... | ... | 0·54 | ... | 0·52 | 0·03 | ... | . | ... | .. | 0·[illegible] | .. | 0·05 | 0·25 | 1·10 | ... | 1·82 | 0·10 | 0·22 | ... | .. |
| | | Nayabasan ... | ... | 0·78 | 0·20 | 0·50 | ... | .. | ... | ... | | 0·50 | ... | ... | 0·32 | 1·08 | ... | 0·84 | 0·40 | | ... | 0·47 |
| | | Gidni ... | ... | 0·76 | 0·03 | 0·09 | ... | | ... | ... | 0·08 | 0·73 | ... | ... | 0·11 | 0·44 | 0·42 | 0·93 | 0·22 | 0·50 | 0·23 | 0·01 |
| | | Silda ... ... | 0·52 | 0·16 | 0·05 | 0·11 | 0·18 | ... | ... | ... | ... | 0·20 | ... | 0·01 | ... | 0·04 | 0·25 | 0·24 | 0·17 | ... | ... | ... |
| | | Chandra ... | | | | | | | | | | | | | | | | | | | | |
| | | Goaltore ... | 0·41 | ... | 0·94 | 0·03 | 0·42 | | ... | 0·23 | 0·03 | | .. | 0·16 | 0·30 | 0·31 | 1·61 | ... | . . | 0·03 | ... | ... |
| | | Salboni .. | 0·07 | 0·36 | 0·65 | 0·31 | ... | 0·13 | .. | 0·02 | ... | 0·05 | 0·01 | ... | 0·05 | 0·30 | .. | 0·80 | 0·03 | 0·07 | 0·03 | ... |
| | | Narangarh ... | | | | | | | | | | | | | | | | | | | | |
| | | Ramnagar ... | | | | | | | | | | | | | | | | | | | | |
| | | Midnapore ... | 0·50 | ... | 0·50 | 0·50 | . | ... | | . | ... | ... | 3·50 | ... | 1·00 | ... | ... | 2·00 | ... | .. | ... | ... |
| | | Heria ... | 0·50 | 0·2[illegible] | 0·10 | ... | ... | ... | .. | 0·70 | 0·05 | 0·05 | ... | ... | 1·30 | 0·05 | 0·08 | 1·60 | 0·03 | 0·04 | ... | ... |
| | | Janka (Khejari). | .. | 0·09 | 0·32 | 0·60 | ... | ... | ... | ... | ... | 0·77 | .. | ... | 0·39 | 0·50 | 0·54 | 4·55 | 0·37 | 0·10 | ... | ... |
| | | Nandigram ... | ... | 0·16 | 1·40 | ... | ... | ... | | ... | 0·40 | ... | ... | 0·42 | 1·16 | 0·35 | ... | 2·70 | . | .. | ... | ... |
| | | Moyna ... | 1·53 | 0·20 | 0·08 | ... | | | 1·22 | 1·53 | 0·20 | ... | ... | 0·90 | 0·60 | 0·93 | ... | 0·37 | 0·0[illegible] | ... | 1·00 | 0·12 |
| | | Pingla .. | 1·67 | 0·05 | 0·29 | 0·02 | 0·[illegible] | . | 0·88 | 0·38 | 0·14 | ... | 0·04 | 0·55 | 0·92 | ... | 0·32 | 1·00 | 0·20 | 0·16 | .. | ... |
| | | Narajole ... | 0·02 | 0·18 | 0·34 | 0·60 | 0·[illegible] | ... | .. | ... | 1·31 | 0·28 | ... | ... | 0·18 | ... | ... | 0·97 | 0·11 | 0·15 | 0·12 | 0·05 |
| | Hooghly | Serampore ... | 0·03 | 0·34 | 0·25 | 1·46 | 0·04 | ... | .. | ... | 0·31 | 0·16 | 0·07 | 0·01 | 0·19 | 0·27 | 0·11 | 1·25 | 0·55 | 0·16 | 0·04 | ... |
| | | Hooghly . | ... | 0·45 | 1·32 | 0·40 | 0·13 | ... | .. | ... | ... | 0·26 | ... | .. | 0·31 | ... | ... | . | 0·45 | 0·08 | 0·08 | ... |
| | | *Arambagh* (Jahanabad) | 0·05 | ... | [illegible] | 0·07 | ... | ... | ... | ... | ... | 0·45 | ... | 0·03 | ... | 0·15 | ... | 0·83 | 0·1[illegible] | 0·03 | 0·06 | 0·07 |
| | Howrah | Howrah .. | 0·03 | 0·35 | 0·17 | 0·52 | 0·0[illegible] | ... | ... | ... | 1·02 | 0·61 | 0·03 | 0·07 | 0·13 | 0·07 | 0·14 | 0·21 | 0·19 | 0·01 | .. | 0·08 |
| | | Mohesreka ... | 0·37 | 1·98 | 0·7[illegible] | 0·07 | 0·18 | . | ... | ... | 0·73 | 0·13 | ... | ... | 0·27 | 0·77 | 0·04 | 0·20 | 0·26 | 0·04 | 0·12 | 0·08 |
| | | Uluberia .. | .. | 2·5[illegible] | 0·[illegible] | 0·06 | 0·10 | ... | . | ... | 0·22 | 0·10 | | ... | 0·16 | 0·83 | 0·06 | 0·84 | 0·04 | 0·16 | 0·04 | ... |
| | | *Amta* ... | 0·05 | 1·24 | 0·07 | . | 0·03 | ... | .. | ... | 0·17 | 0·05 | 0·04 | ... | 0·25 | 0·22 | ... | 0·89 | ... | 0·05 | 0·03 | 0·10 |
| | 24-Parganas ... | Saugor Island | ... | ... | 0·34 | 0·43 | 0·16 | ... | ... | | 0·50 | 0·16 | 0·64 | 0·03 | 0·70 | 0·54 | 1·07 | 2·03 | 1·45 | 0·07 | ... | ... |
| | | Diamond Harbour. | ... | 0·35 | 0·20 | 0·08 | 0·[illegible]4 | ... | ... | 0·42 | 0·62 | 0·22 | 0·53 | 0·20 | 0·05 | 1·32 | 0·07 | 0·47 | 0·38 | ... | ... | ... |
| | | *Budge-budge* | 0·01 | 1·44 | 0·52 | 0·03 | 0·06 | .. | 0·13 | ... | 0·36 | 0·08 | ... | 0·03 | 0·04 | 0·95 | 0·32 | 1·12 | 0·03 | 0·07 | ... | .. |
| | | Canning Town | . | | 1·2[illegible] | 0·28 | ... | 0·02 | 0·05 | ... | 0·10 | 0·35 | 0·30 | 0·90 | 0·37 | 1·21 | 0·35 | 0·47 | 0·31 | 0·08 | 0·25 | ... |
| | | Alipore (Obsy.) | 0·01 | 0·71 | 0·41 | 0·31 | 0·05 | 0·02 | 0·06 | ... | 0·03 | 0·72 | 0·09 | 0·15 | 0·19 | 0·10 | 0·23 | 1·28 | 0·13 | 0·11 | ... | 0·13 |
| | | Barrackpore .. | 0·05 | 0·32 | 0·97 | 0·89 | 0·12 | . | .. | .. | 0·59 | 0·05 | 0·12 | 0·19 | 0·05 | 0·43 | 0·03 | 0·77 | 0·09 | 0·15 | 0·09 | ... |
| | | Dum-dum ... | ... | 0·30 | 0·74 | 0·41 | ... | .. | 0·07 | ... | 0·44 | 0·89 | | .. | ... | .. | ... | 2·23 | 0·59 | . | . | |
| | | Barasat ... | 0·02 | 1·73 | 0·40 | 1·02 | 0·56 | 0·01 | 0·02 | ... | 0·11 | 0·33 | 0·02 | 0·01 | ... | 0·36 | ... | 0·22 | 0·03 | 0·08 | 0·06 | 0·02 |
| | | Basirhat | ... | 0·29 | 0·80 | ... | ... | ... | ... | ... | ... | 0·2[illegible] | . | ... | 0·60 | .. | 0·19 | 0·26 | 0·73 | ... | .. | 0·15 |
| | | Fraserganj ... | ... | | ... | ... | ... | ... | ... | 1·01 | ... | 0·78 | ... | ... | .. | 2·25 | 2·50 | 1·02 | 0·30 | 0·41 | 0·43 | ... |
| | Nadia ... | Ranaghat ... | 0·[illegible] | 0·15 | .. | 0·62 | ... | ... | .. | . | 0·04 | ... | .. | ... | 0·27 | 0·15 | 0·11 | 0·17 | 0·50 | 0·06 | 0·10 | 0·03 |
| | | Krishnagar ... | ... | 1·17 | ... | 0·16 | .. | ... | ... | 0·65 | ... | .. | 0·24 | ... | 0·13 | 1·37 | 0·52 | 0·15 | 0·1[illegible] | .. | ... | 0·08 |
| | | Chuadanga ... | 0·14 | 0·32 | 0·02 | ... | 0·10 | 0·23 | ... | ... | .. | 0·42 | 0·03 | ... | ... | 0·[illegible]6 | 0·45 | 1·35 | 0·05 | 0·20 | ... | 0·01 |
| | | Meherpur ... | 0·07 | 0·63 | 0·48 | 0·04 | 0·15 | ... | ... | ... | .. | 0·18 | 0·31 | 0·13 | 0·05 | 0·20 | 0·32 | 0·04 | 0·03 | 0·17 | ... | ... |
| | | Kushtia | 1·60 | 0·82 | 0·11 | 0·25 | .. | 0·04 | ... | ... | 0·32 | 0·24 | 0·12 | ... | 0·01 | 0·07 | 0·23 | 0·02 | 0·05 | 0·84 | 0·11 | 0·07 |
| | | Haringhata ... | ... | 0·60 | 1·18 | 0·12 | 0·10 | ... | 0·34 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Murshidabad | Kandi ... | 0·03 | 0·04 | 1·44 | 1·00 | 0·03 | ... | ... | ... | ... | 0·02 | 0·40 | ... | 0·05 | 0·50 | ... | ... | 0·04 | ... | ... | ... |
| | | Berhampore... | 0·14 | 1·06 | 2·62 | 0·41 | ... | 0·05 | ... | . | . | .. | 0·36 | ... | ... | ... | ... | 0·14 | 0·05 | 0·75 | ... | 0·32 |
| | | Lalbagh ... | ... | 2·18 | 0·63 | ... | ... | ... | ... | 0·50 | 0·23 | 0·11 | 0·13 | ... | ... | ... | 0·15 | 0·58 | 0·03 | 0·09 | ... | 1·07 |
| | | Azimganj ... | 0·90 | 0·25 | 0·44 | 0·28 | 0·03 | .. | ... | ... | 0·04 | 0·41 | 0·22 | ... | 0·13 | 0·07 | 0·08 | 0·03 | 0·16 | 0·28 | ... | 0·07 |
| | | Jangipur ... | ... | 0·68 | 0·66 | 0·02 | 0·08 | 0·11 | ... | ... | 0·10 | 0·01 | ... | 0·09 | ... | 0·08 | 0·61 | 0·01 | 0·01 | 0·12 | ... | 0·26 |
| | | Lalgola ... | ... | 1·90 | 1·86 | ... | 0·18 | 0·21 | ... | ... | ... | ... | ... | ... | .. | 0·24 | 0·08 | ... | ... | 0·19 | . | 0·08 |
| | | Akriganj ... | 0·51 | 1·49 | 3·37 | . | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | 0·4[illegible] | 0·22 | 0·04 | 0·09 | ... | 0·50 |
| | | Patkabari | 2·10 | ... | 0·10 | ... | . | ... | ... | ... | ... | .. | ... | ... | 0·20 | 0·10 | 0·15 | 0·15 | ... | ... | ... | .. |
| | | Dumkal .. | 2·62 | 0·22 | 0·09 | ... | 0·12 | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | 0·18 | 0·11 | 0·41 | ... | 0·26 |
| | | *Kaliganj* | 0·34 | 0·15 | 2·12 | 0·03 | ... | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | 0·10 | 0·11 | ... | ... |
| | Jessore .. | Narail .. | .. | 0·50 | 0·34 | 0·03 | 0·04 | ... | ... | 1·41 | .. | 0·18 | ... | 0·03 | 0·08 | 0·42 | 0·31 | 0·71 | 0·28 | 0·72 | 0·02 | ... |
| | | Jessore ... | 0·41 | 0·90 | 0·22 | 0·07 | . . | ... | ... | 0·28 | 0·22 | 0·34 | 0·24 | 0·02 | 0·16 | 0·07 | 0·02 | 1·18 | 0·18 | 0·18 | 0·05 | ... |
| | | Jhenida ... | ... | 0·52 | 2·06 | 0·15 | 0·18 | ... | ... | .. | ... | 0·14 | ... | ... | ... | 0·17 | 0·18 | 0·30 | 0·43 | 0·15 | ... | ... |
| | | Magura .. | 0·48 | ... | 0·42 | 0·09 | ... | ... | 0·19 | 0·95 | ... | . | ... | ... | 0·05 | 0·05 | 0·50 | .. | 0·16 | 1·05 | ... | 0·10 |
| | | Bangaon ... | 0·08 | 0·22 | 0·28 | 0·11 | 0·13 | ... | ... | 0·36 | 0·38 | 0·09 | ... | ... | 0·12 | 0·08 | 0·18 | 2·76 | 0·37 | 0·19 | 0·08 | 0·05 |
| | Khulna ... | Satkhira .. | ... | .. | 1·70 | 0·16 | . . | ... | ... | ... | .. | 0·15 | ... | 0·24 | 0·17 | 1·00 | 0·46 | 1·48 | 0·11 | 0·28 | 0·02 | ... |
| | | Bagerhat . | 0·11 | 0·72 | 1·32 | 0·05 | 0·07 | ... | ... | ... | 0·09 | 0·23 | 0·11 | 0·22 | 0·30 | 1·25 | 0·60 | 0·75 | 1·45 | 0·41 | 0·63 | 0·85 |
| | | Khulna ... | 0·20 | 1·52 | 1·52 | 0·26 | 0·09 | 0·20 | ... | 0·02 | 0·25 | 0·11 | ... | 0·32 | 0·04 | 0·48 | 2·22 | 0·27 | 0·3[illegible] | 0·22 | ... | ... |
| | | *Kaliganj* ... | 0·06 | 0·30 | 1·50 | 0·03 | 0·02 | ... | ... | 0·04 | ... | 0·12 | 0·10 | 0·06 | 0·15 | 0·85 | 1·04 | 0·15 | 0·03 | 0·16 | 0·05 | 0·26 |
| | | Nakipur | 0·19 | 0·09 | 0·59 | 0·90 | .. | ... | . . | 0·75 | ... | 0·08 | 0·15 | 0·50 | 0·07 | 1·02 | 1·30 | 0·30 | 0·10 | ... | ... | ... |
| | | *Dumuria* ... | 0·25 | 1·17 | 0·55 | ... | .. | 0·05 | ... | ... | 0·62 | 0·10 | ... | ... | 0·31 | 0·52 | 0·15 | 2·35 | 0·45 | 0·16 | 0·15 | 0·05 |
| | | Rampal ... | 0·82 | 1·95 | 1·65 | ... | ... | ... | ... | ... | 0·17 | 0·20 | 0·06 | 0·10 | 0·09 | 1·65 | 0·64 | 0·38 | 0·22 | 0·53 | 0·20 | 0·42 |
| | | *Kalaroa* ... | ... | 0·03 | 0·29 | 0·30 | ... | ... | ... | ... | 0·50 | 0·30 | 0·25 | ... | .. | 0·35 | 0·30 | 0·50 | 0·29 | 0·27 | ... | 0·07 |
| | | *Paikgachha* ... | ... | 0·17 | 0·52 | . | 0·03 | ... | ... | ... | 0·33 | 0·61 | 0·07 | 0·37 | 0·29 | 0·40 | 0·65 | 2·78 | 0·1[illegible] | 0·55 | 0·01 | 0·45 |
| | | *Mollahat* .. | 1·28 | 2·07 | 0·46 | 0·13 | 0·01 | ... | ... | 0·11 | 0·06 | 0·03 | ... | 0·08 | 0·03 | 0·07 | 0·52 | 0·58 | 1·03 | 0·40 | 0·04 | 0·23 |
| | | *Horelganj* ... | 0·48 | 3·07 | 0·83 | 0·15 | ... | ... | ... | 0·88 | 0·56 | 0·08 | ... | ... | 0·20 | 1·30 | 1·09 | 0·19 | 0·79 | 0·32 | 0·20 | 0·60 |
| | | *Tala* ... | 0·14 | 0·07 | 2·00 | ... | 0·07 | 0·08 | 0·05 | 0·03 | ... | ... | ... | ... | 0·10 | 0·24 | 0·34 | 0·83 | 0·25 | 0·07 | ... | 0·11 |

## STATIONS IN BENGAL IN JULY 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 31st July 1909. | Average rainfall from 16th May to 31st July. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| .. | 0·10 | 0·45 | 0·12 | 0·27 | 0·15 | ... | ... | ... | 2·95 | 1·27 | 14 | 13·71 | 12·94 | 11·24 | 2·95 | 30·94 | 24·26 | Kalna | Burdwan ... | Burdwan. | South-West Bengal. |
| 0·01 | 0·34 | 0·78 | 0·12 | 0·10 | 0·04 | ... | 0·02 | ... | 0·17 | 1·55 | 13 | 16·10 | 6·20 | 12·32 | 1·55 | 23·48 | 25·76 | Burdwan | | | |
| 0·39 | 0·02 | ... | 0·12 | ... | .. | 0·19 | ... | ... | 0·28 | 1·81 | 14 | 15·23 | 10·70 | 10·71 | 2·74 | 30·70 | 23·60 | Katwa. | | | |
| 0·07 | 0·15 | 0·75 | 0·06 | 0·17 | ... | 0·05 | ... | ... | 0·1 | 0·80 | 13 | 16·39 | 5·54 | 14·15 | 1·05 | 15·24 | 26·57 | Ramganj | | | |
| ... | 0·51 | ... | ... | ... | 0·24 | ... | ... | ... | 0·31 | 0·57 | 12 | 15·88 | 7·09 | 12·82 | 1·05 | 24·72 | 26·68 | Mankur. | | | |
| 0·43 | 0·85 | 0·68 | 0·0[illegible] | ... | 0·12 | ... | ... | ... | 0·44 | 1·14 | 14 | 17·38 | 7·17 | 12·90 | 1·14 | 23·16 | 28·11 | Suri | Birbhum ... | | |
| 1·02 | 0·47 | 0·35 | 0·01 | ... | ... | ... | ... | ... | | 0·31 | 12 | 16·52 | 5·94 | 12·76 | 1·02 | 25·45 | 25·84 | Hetampur. | | | |
| 0·07 | 0·13 | 0·3[illegible] | ... | 0·43 | 0·09 | 0·23 | ... | | 2·4[illegible] | 0·85 | 12 | 16·18 | 8·38 | 11·33 | 2·40 | 28·00 | 24·29 | Rampur Hât. | | | |
| 0·35 | 0·50 | 0·90 | ... | | | | ... | . | 0·40 | 0·40 | 11 | 15·50 | 4·64 | 11·64 | 0·90 | 15·63 | 25·22 | Bolpur. | | | |
| 0·60 | | | ... | 0·72 | 0·20 | 0·05 | ... | . | 2·95 | 0·45 | 14 | 17·17 | 9·42 | 14·92 | 2·95 | 18·56 | 20·09 | Murari. | | | |
| 0·60 | 0·58 | 1·49 | .. | ... | 0·25 | .. | ... | 1·80 | 0·80 | 0·20 | 12 | 13·86 | 9·68 | 11·40 | 2·60 | 22·53 | 24·85 | Labpur. | | | |
| 0·08 | 0·77 | 0·72 | 0·81 | 0·58 | 0·25 | 0·11 | ... | ... | 0·01 | 1·29 | 16 | 16·46 | 9·48 | 12·87 | 6·02 | 29·85 | 25·49 | Bankura ... | Bankura ... | | |
| 0·04 | 1·23 | 0·95 | 0·05 | 0·48 | 0·12 | ... | ... | ... | . | 1·04 | 14 | 16·48 | 11·30 | 11·85 | 1·78 | 24·52 | 26·03 | Vishnupur. | | | |
| ... | 1·06 | 0·31 | ... | 0·12 | 0·15 | . | ... | ... | 1·52 | 0·89 | 17 | 16·43 | 11·92 | 12·68 | 2·22 | 25·63 | 25·03 | Maliara | | | |
| 0·01 | 0·03 | 0·09 | 1·81 | 0·78 | 2·46 | 0·23 | | ... | ... | 0·33 | 11 | 16·95 | 8·01 | 13·45 | 2·46 | 20·30 | 25·45 | Khatra | | | |
| ... | 0·10 | 0·17 | 0·27 | ... | 0·27 | ... | 0·02 | 0·33 | 0·63 | 2·00 | 15 | 15·94 | 6·43 | 12·07 | 2·00 | 16·86 | 26·11 | Indas. | | | |
| ... | 1·05 | 1·21 | 0·21 | .. | 0·71 | ... | ... | .. | ... | 0·45 | 8 | 13·25 | 6·95 | 12·85 | 2·10 | 21·27 | 26·07 | Kotalpur. | | | |
| 0·43 | 0·80 | 0·21 | 0·74 | 0·09 | 0·10 | 0·18 | ... | ... | | 1·62 | 14 | 14·06 | 7·15 | 10·33 | 0·80 | 19·69 | 22·32 | Onda. | | | |
| ... | 1·07 | 0·78 | | 0·20 | 0·06 | 0·14 | .. | ... | 1·04 | 0·67 | 14 | 14·13 | 7·12 | 12·16 | 1·07 | 18·15 | 26·10 | Gangajalghati | | | |
| ... | 0·40 | 0·8 | 0·28 | 0·10 | 1·40 | | ... | ... | ... | 1·40 | 14 | 16·56 | 11·14 | 12·27 | 2·90 | 14·46 | 27·52 | Raipur. | | | |
| 0·50 | 0·31 | 0·34 | .. | 0·32 | 0·11 | 0·07 | ... | ... | 0·20 | 0·57 | 15 | 14·94 | 6·23 | 11·68 | 1·44 | 17·43 | 24·89 | Sonamukhi. | | | |
| ... | 1·15 | 2·27 | 0·23 | 1·32 | 0·51 | .. | ... | ... | .. | 1·85 | 13 | ? | 14·49 | ? | 3·00 | 28·81 | ? | Pachet .. | Midnapore .. | | |
| ... | 0·03 | 0·92 | 0·39 | 0·48 | 0·68 | 0·49 | . | ... | 0·03 | 1·26 | 17 | 15·52 | 12·09 | 14·52 | 2·14 | 30·48 | 27·22 | Contai. | | | |
| 0·03 | 0·51 | 0·26 | 0·48 | 0·30 | 0·51 | 0·12 | ... | .. | 0·20 | 0·95 | 18 | 13·37 | 10·99 | 12·18 | 2·44 | 29·94 | 24·71 | Tamluk. | | | |
| 0·02 | 0·43 | 1·25 | 1·12 | 0·29 | 1·57 | 0·06 | ... | ... | ... | 1·73 | 16 | 15·05 | 11·34 | 11·99 | 1·73 | 23·33 | 24·85 | Midnapore. | | | |
| ... | 1·28 | 1·10 | 0·28 | 0·29 | 0·06 | | ... | ... | ... | 0·12 | 15 | 15·36 | 7·36 | 12·47 | 1·28 | 19·13 | 25·32 | Ghatal | | | |
| .. | 1·28 | ... | 0·70 | 0·11 | 1·40 | 0·09 | ... | | ... | 1·05 | 16 | 15·00 | 11·52 | 12·58 | 2·22 | 35·60 | 26·38 | Kukrahaty. | | | |
| ... | 0·56 | 2·38 | 1·85 | 0·25 | 0·32 | .. | ... | .. | | 0·27 | 15 | ? | 12·30 | 12·60 | 2·80 | 22·77 | ? | Amlagura. | | | |
| ... | 1·75 | 1·08 | 0·04 | 0·21 | 0·35 | 0·08 | | 0·10 | 0·11 | 0·75 | 19 | 14·38 | 10·63 | 11·09 | 1·75 | 23·93 | 24·93 | Panskura. | | | |
| ... | ... | 0·50 | 0·20 | 0·65 | 0·20 | 0·45 | ... | ... | 0·30 | 1·00 | 15 | 13·13 | 9·75 | 12·13 | 2·50 | 22·02 | 24·68 | Dantan. | | | |
| ... | 0·90 | 0·20 | 1·50 | | | | ... | | . | 0·50 | 14 | ? | 6·94 | ? | 1·50 | 19·64 | ? | Chandrakona. | | | |
| ... | 0·10 | 0·40 | 0·34 | 0·60 | 1·24 | 0·05 | ... | 1·06 | 0·3[illegible] | 0·70 | 17 | ? | 13·21 | ? | 2·50 | 32·85 | ? | Bhagwanpur. | | | |
| ... | 0·38 | 1·91 | 3·03 | 0·55 | 0·20 | 0·05 | ... | .. | ... | 2·57 | 14 | ? | 13·65 | ? | 3·03 | | ? | Kultikri. | | | |
| ... | ... | | 2·19 | 1·40 | 0·40 | | 0·09 | ... | ... | [illegible] | 13 | ? | 10·17 | ? | 2·19 | 21·82 | ? | Nayabasan. | | | |
| 0·07 | 0·19 | 0·08 | 3·04 | 0·23 | 0·41 | ... | | ... | 0·03 | 0·[illegible] | 14 | ? | 9·79 | ? | 3·04 | | ? | Gidni. | | | |
| 0·02 | 0·09 | 0·30 | 3·06 | 0·76 | 0·51 | 0·03 | ... | .. | ... | 1·88 | 13 | ? | 8·65 | ? | 3·06 | 18·37 | ? | Silda. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Chandre. | | | |
| ... | 0·22 | 0·57 | 0·66 | 0·58 | 1·83 | 0·13 | ... | ... | 1·16 | 0·53 | 16 | ? | 10·21 | ? | 1·83 | 21·32 | ? | Goaltore. | | | |
| .. | 0·19 | 1·13 | 1·00 | 0·29 | 1·12 | ... | ... | . | ... | 0·36 | 12 | ? | 6·97 | ? | 1·13 | | ? | Salboni. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Naraingarh. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Ramnagar. | | | |
| ... | 1·50 | .. | 0·50 | 0·59 | 1·00 | 1·00 | ... | | 1·20 | 1·20 | 13 | ? | 14·90 | ? | 3·50 | 50·90 | ? | Mohanpur. | | | |
| ... | .. | 0·90 | 0·6[illegible] | 1·55 | ... | ... | ... | 0·03 | 1·67 | 1·90 | 11 | ? | 11·43 | ? | 1·90 | | ? | Heria. | | | |
| 0·04 | 0·25 | 1·32 | 0·18 | 0·54 | 0·43 | 0·52 | ... | ... | 0·04 | 0·68 | 16 | ? | 12·29 | ? | 4·55 | 33·04 | ? | Janka (Khejari). | | | |
| 0·18 | 0·16 | . | | 0·45 | 1·55 | ... | . | . | ... | . | 11 | [illegible] | 8·93 | ? | 1·55 | 28·75 | ? | Nandigram. | | | |
| 1·32 | 0·88 | 0·30 | 0·30 | 0·63 | | ... | ... | 0·13 | 2·30 | 0·08 | 19 | [illegible] | 15 | ? | 3·30 | | ? | Moyna. | | | |
| 0·10 | 0·57 | 2·00 | 0·44 | 0·40 | 1·30 | ... | ... | ... | .. | 1·26 | 18 | ? | 11·[illegible] | ? | 2·00 | | ? | Pingla. | | | |
| 0·04 | 1·02 | 1·06 | 1·15 | 0·5[illegible] | 0·32 | .. | | ... | ... | 0·97 | 17 | ? | 10·04 | ? | 1·62 | 20·37 | ? | Narajole. | | | |
| 0·31 | 0·23 | 0·07 | 0·96 | 0·30 | 0·26 | | 0·10 | 0·09 | 1·07 | 0·09 | 19 | 17·30 | 9·32 | 12·64 | 1·46 | 27·99 | 25·5 | Serampore ... | Hooghly ... | | |
| ... | 0·15 | 0·36 | 0·10 | 0·13 | 0·30 | 0·31 | ... | 0·04 | 0·05 | 0·35 | 14 | 16·39 | 5·24 | 11·28 | 1·32 | 33·49 | 25·22 | Hooghly. | | | |
| ... | 0·62 | 0·09 | 0·66 | 0·30 | 0·31 | 0·05 | ... | ... | 0·01 | 0·31 | 10 | 15·50 | 5·10 | 12·13 | 0·92 | 18·72 | 25·37 | *Arambagh* (Jahanabad). | | | |
| 0·30 | 2·01 | 0·45 | 0·25 | 0·28 | 0·18 | 0·38 | | 0·21 | ... | 0·18 | 18 | 18·06 | 7·81 | 12·04 | 2·01 | 30·88 | 26·03 | Howrah | Howrah ... | | |
| ... | 0·09 | 1·07 | 0·52 | 0·07 | 0·02 | 0·09 | 0·15 | 0·23 | 0·31 | 1·14 | 17 | 16·35 | 9·07 | 12·15 | 1·07 | 29·43 | 25·22 | Mohesreka. | | | |
| 0·14 | 0·88 | 0·21 | 1·13 | 0·18 | 0·20 | ... | ... | 0·57 | 1·03 | 1·15 | 18 | 16·07 | 11·15 | 10·42 | 2·09 | 20·99 | 24·75 | Ulubaria. | | | |
| 0·06 | 1·59 | 0·28 | 0·67 | 0·27 | 0·22 | ... | 0·02 | 0·05 | 0·16 | 0·49 | 13 | ? | 7·05 | ? | 1·59 | 26·30 | ? | *Amta.* | | | |
| 0·11 | 0·17 | 0·78 | 0·21 | 0·59 | 1·25 | 0·30 | 0·02 | ... | 0·49 | 0·30 | 20 | 16·74 | 13·24 | 15·53 | 2·03 | 33·52 | 29·07 | Saugor Island | 24-Parganas ... | | |
| ... | 1·22 | 0·06 | 0·36 | 0·45 | 0·65 | 0·14 | ... | ... | 0·02 | 1·28 | 16 | 17·23 | 9·19 | 14·96 | 1·32 | 34·64 | 28·14 | Diamond Harbour. | | | |
| ... | 1·32 | 1·07 | 1·80 | 0·14 | 0·48 | 0·13 | 0·02 | 0·40 | 1·32 | 0·50 | 16 | ? | 12·43 | ? | 1·80 | 22·42 | ? | *Budge-Budge.* | | | |
| 0·05 | 1·27 | 0·44 | ... | 0·28 | 0·86 | 0·11 | 0·20 | 0·33 | 0·11 | 0·63 | 21 | 16·94 | 10·51 | 12·61 | 1·27 | 30·62 | 27·75 | Canning Town. | | | |
| 0·27 | 1·20 | 0·22 | 0·29 | 0·17 | 0·[illegible] | 0·29 | .. | 0·21 | ... | 0·[illegible]2 | 23 | 18·90 | 9·94 | 12·31 | 1·28 | 35·66 | 26·30 | Alipore (Obsy.). | | | |
| 0·21 | 0·27 | 0·22 | 0·39 | 0·19 | ... | 0·12 | 0·14 | ... | 0·78 | 0·68 | 19 | 15·94 | 7·91 | 11·98 | 0·97 | 27·71 | 25·09 | Barrackpore | | | |
| 0·60 | 0·88 | ... | 1·53 | 0·18 | ... | ... | ... | 0·67 | ... | 0·65 | 13 | 17·03 | 10·24 | 11·98 | 2·23 | 34·32 | 26·09 | Dum-Dum. | | | |
| 0·26 | 0·92 | 0·05 | 0·42 | 0·46 | 0·17 | 0·02 | ... | 0·87 | 0·04 | 1·25 | 16 | 16·13 | 10·06 | 10·90 | 1·73 | 30·21 | 24·13 | Barasat. | | | |
| 0·26 | ... | 0·28 | ... | ... | ... | ... | 0·27 | 1·68 | 0·90 | 1·15 | 14 | 16·84 | 7·88 | 12·82 | 1·68 | 23·90 | 27·80 | Basirhat. | | | |
| 0·21 | 3·11 | 0·11 | 0·21 | 0·81 | 0·23 | 0·92 | 0·54 | 2·11 | 2·10 | 0·41 | 19 | ? | 19·54 | ? | 3·11 | [illegible] | ? | Fraserganj. | | | |
| 0·08 | 0·26 | 0·24 | ... | 0·53 | 0·07 | 0·01 | 0·02 | ... | 0·17 | 0·30 | 13 | 14·68 | 8·98 | 10·55 | 0·53 | 22·03 | [illegible]·73 | Ranaghat ... | Nadia ... | | |
| 0·13 | ... | . | ... | ... | 0·36 | ... | .. | ... | 0·84 | 2·62 | 13 | 15·87 | 8·53 | 10·37 | 2·62 | 25·36 | 23·44 | Krishnagar. | | | |
| 0·06 | 0·08 | 0·45 | | 0·07 | 0·36 | 0·23 | 0·10 | ... | 1·04 | 1·07 | 15 | 16·36 | 6·94 | 10·29 | 1·25 | 22·92 | 23·90 | Chuadanga. | | | |
| 0·15 | | 0·79 | | . | ... | 0·22 | ... | ... | 3·37 | 1·50 | 14 | 15·68 | 8·87 | 10·11 | 3·37 | 21·35 | 23·56 | Meherpur | | | |
| 0·46 | 0·02 | ... | 0·03 | 0·08 | 0·17 | ... | ... | ... | 0·61 | 1·52 | 14 | 15·84 | 7·77 | 10·50 | 1·60 | 26·14 | 25·70 | Kushtia | | | |
| ... | ... | ... | 0·20 | 0·09 | ... | ... | ... | ... | 0·15 | 0·85 | 8 | ? | 3·61 | ? | 1·18 | 15·78 | ? | Harlughata. | | | |
| 0·43 | 0·23 | 0·55 | ... | ... | 0·10 | ... | ... | ... | 0·31 | 1·63 | 10 | 15·92 | 6·80 | 12·16 | 1·63 | 26·71 | 25·04 | Kandi | Murshidabad | | |
| 0·11 | ... | 0·10 | ... | 0·04 | 0·45 | 0·06 | 0·87 | 0·10 | 1·24 | 1·20 | 15 | 15·71 | 10·07 | 10·31 | 2·64 | 22·62 | 23·40 | Berhampore | | | |
| .. | ... | 2·60 | ... | ... | ... | 0·07 | ... | 0·13 | 3·02 | 0·83 | 13 | 15·64 | 12·35 | 12·03 | 3·02 | 34·22 | 42·58 | Lalbagh. | | | |
| 0·01 | ... | 0·55 | ... | 0·16 | ... | | 0·11 | ... | 2·77 | 2·01 | 15 | 15·09 | 9·93 | 10·75 | 2·77 | 35·84 | 23·56 | Azimganj. | | | |
| 0·04 | 1·80 | ... | .. | 0·45 | 0·02 | 0·50 | 0·01 | 0·10 | 1·73 | 0·61 | 13 | 15·73 | 8·16 | 10·92 | 1·80 | 26·32 | 23·43 | Jangipur. | | | |
| 0·78 | 1·00 | 0·10 | 0·21 | ... | ... | ... | ... | ... | 1·10 | 0·60 | 11 | 15·78 | 8·53 | 11·49 | 1·90 | 29·01 | 24·81 | Lalgola. | | | |
| ... | 0·04 | ... | ... | 0·12 | ... | ... | ... | ... | 0·44 | 0·74 | 9 | 15·67 | 8·07 | 11·34 | 3·37 | 24·11 | 27·04 | Akriganj. | | | |
| ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | 1·20 | 0·40 | 9 | 12·00 | 4·55 | 8·85 | 2·10 | | 22·57 | Patkabari. | | | |
| ... | ... | 0·30 | 0·25 | ... | ... | 0·11 | 1·21 | .. | 1·06 | 2·57 | 13 | 15·63 | 9·58 | 10·28 | 2·62 | 22·14 | 24·23 | Dumkal. | | | |
| ... | ... | 0·30 | ... | ... | ... | 0·11 | ... | 0·03 | 1·40 | 1·13 | 12 | ? | 6·85 | ? | 2·12 | 31·87 | ? | *Kullyanganj.* | | | |
| 0·09 | ... | 1·80 | 0·06 | 0·03 | 0·05 | ... | 0·09 | ... | 1·20 | 1·25 | 12 | 15·30 | 9·73 | 9·83 | 1·80 | 30·48 | 24·52 | Narail | Jessore ... | | |
| 1·46 | 0·82 | 0·43 | ... | 0·15 | 0·24 | 0·11 | ... | ... | 2·00 | 1·72 | 20 | 17·52 | 12·07 | 11·02 | 2·00 | 27·71 | 28·76 | Jessore. | | | |
| 0·39 | ... | 0·42 | 0·2 | 0·17 | 0·25 | . . | ... | ... | 0·62 | 1·07 | 16 | 16·00 | 7·22 | 10·29 | 2·06 | 20·70 | 25·93 | Jhenida | | | |
| 2·05 | 0·13 | 0·5[illegible] | ... | 0·24 | 0·40 | 0·06 | ... | ... | 1·52 | 0·24 | 15 | 16·10 | 9·16 | 10·61 | 2·05 | 27·71 | 26·60 | Magura. | | | |
| 0·50 | 0·06 | 0·61 | ... | 0·44 | 0·18 | 0·04 | ... | ... | 0·35 | 1·26 | 16 | 15·48 | 8·53 | 10·86 | 2·76 | 31·16 | 24·02 | Bangaon. | | | |
| 0·47 | 0·23 | 0·58 | 0·40 | 0·16 | 0·23 | 0·02 | 0·02 | 1·20 | 0·25 | 1·25 | 19 | 17·65 | 10·46 | 12·35 | 1·70 | 30·86 | 27·39 | Satkhira | Khulna ... | | |
| 0·20 | 0·51 | 0·37 | ... | 0·25 | 1·11 | 0·28 | 0·35 | 0·22 | 0·32 | 0·40 | 24 | 19·80 | 13·31 | 14·53 | 1·45 | 33·00 | 32·73 | Bagerhat | | | |
| 0·3[illegible] | 1·21 | 3·87 | ... | ... | 1·20 | 0·22 | | 0·50 | 0·20 | 0·62 | 21 | 18·37 | 16·20 | 12·28 | 3·87 | 35·22 | 28·46 | Khulna. | | | |
| 0·07 | 0·7[illegible] | 0·43 | 0·10 | 0·02 | 1·00 | 0·10 | 0·15 | 0·03 | 0·41 | 0·32 | 17 | ? | 8·24 | ? | 1·60 | 29·51 | ? | *Kaliganj.* | | | |
| 0·50 | 1·45 | 0·12 | 0·04 | ... | 1·12 | .. | . | ... | 0·53 | 1·11 | 16 | 15·27 | 10·91 | 12·62 | 1·45 | 33·03 | 28·55 | Nakipur. | | | |
| 0·14 | 0·13 | 1·71 | ... | ... | ... | 0·15 | 0·05 | ... | 0·55 | 0·35 | 1[illegible] | ? | 10·56 | ? | 2·35 | 25·9[illegible] | ? | *Dumuria.* | | | |
| 0·55 | 0·40 | 0·25 | . | 1·27 | ... | 0·30 | ... | ... | 0·61 | 1·25 | 20 | 16·90 | 13·71 | 13·71 | 1·95 | 36·55 | 29·70 | Rampal. | | | |
| 0·47 | 0·09 | 0·23 | ... | ... | 0·32 | ... | ... | | 0·26 | 2·45 | 15 | ? | 7·27 | ? | 2·45 | 20·17 | ? | *Kalaroa.* | | | |
| ... | 0·35 | 1·76 | ... | 0·24 | 0·51 | . . | ... | 0·03 | 0·30 | 0·90 | 17 | ? | 10·75 | ? | 2·78 | 29·45 | ? | *Paikgachha.* | | | |
| 1·25 | 0·76 | 0·45 | ... | 0·18 | 0·10 | 0·25 | ... | 0·12 | 0·27 | 0·13 | 20 | ? | 11·54 | ? | 2·07 | 27·93 | ? | *Mollahat.* | | | |
| 0·19 | 0·94 | 0·21 | .. | 0·26 | 0·62 | 0·02 | 0·10 | ... | 0·29 | 0·78 | 22 | ? | 10·05 | ? | 3·07 | 38·34 | ? | *Morelganj.* | | | |
| ... | 1·30 | 2·25 | 0·59 | 0·36 | 0·08 | ... | ... | 0·16 | 0·08 | 0·49 | 14 | ? | 9·84 | ? | 2·25 | 27·10 | ? | *Tala.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patna | Patna | Patna | 0·24 | 0·46 | .. | 1·14 | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | 1·32 | 0·34 |
| | | Dinapore | 1·48 | 0·01 | .. | 1·57 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | 2·13 | 0·11 |
| | | Bihar | 0·16 | 0·79 | ... | 0·40 | ... | ... | .. | ... | 0·53 | ... | ... | ... | ... | ... | 0·03 | 0·90 | 0·06 | 0·05 | 2·06 | 0·20 |
| | | Barh | 0·39 | 0·85 | 0·04 | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | 0·02 | .. |
| | | Bikram | 0·90 | 0·70 | ... | 0·70 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | 0·35 | 0·16 | ... | ... | 0·40 |
| | | Hilsa | 0·55 | 0·50 | .. | 0·80 | 0·10 | ... | . | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·10 | ... | ... | 1·50 | 0·05 |
| | | *Islampur* | 0·07 | 0·09 | 0·25 | 1·70 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | ... | ... | 1·50 |
| | | *Asthawan* | 0·62 | 0·34 | ... | 0·72 | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Gaya | Aurangabad | 0·21 | 0·05 | ... | 0·30 | ... | 0·06 | 0·26 | ... | ... | ... | 0·08 | 0·01 | ... | 0·08 | ... | 0·74 | ... | 0·28 | ... | 0·18 |
| | | Gaya | 0·12 | 0·15 | .. | 2·27 | 0·07 | ... | . | ... | ... | ... | ... | ... | ... | 0·36 | 0·04 | 0·16 | 0·03 | ... | ... | 1·83 |
| | | Nawadah | 0·02 | 0·11 | 1·61 | 1·07 | ·06 | ... | 0·08 | 0·04 | ... | ... | ... | .. | ... | ... | 0·12 | 0·20 | 0·07 | ... | ... | 0·32 |
| | | Jahanabad | 0·89 | 0·17 | .. | 0·29 | ... | ... | ... | ... | ... | 0·32 | ... | ... | ... | ... | ... | 0·13 | 0·05 | ... | 0·10 | 1·52 |
| | | Arwal | 1·31 | 0·11 | ... | ... | 0·05 | ... | . | ... | ... | ... | ... | 0·11 | ... | | ... | 1·50 | 0·11 | .. | 0·09 | 0·61 |
| | | Daudnagar | 1·35 | 0·04 | ... | ... | ... | 0·15 | 0·54 | .. | 0·69 | ... | 0·07 | ... | ... | ... | ... | 0·37 | 0·16 | 0·04 | ... | 0·33 |
| | | Sherghati | 0·67 | 0·01 | 0·16 | 1·52 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | 0·20 | 0·09 | ... | .. | 1·35 |
| | | Rajauli | ... | ... | 0·80 | 0·11 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | 0·61 | 0·80 | .. | ... | ... | 1·53 | 2·20 |
| | | Pakri Barawan | 0·09 | 1·49 | ... | .. | ... | ... | | ... | ... | ... | ... | ... | ... | . | 0·30 | | ... | 2·78 | 0·24 | 2·00 |
| | | *Deo* | 0·32 | 0·05 | ... | 2·03 | ... | ... | 1·12 | ... | ... | . | ... | 0·06 | 0·03 | 0·23 | 0·24 | 1·45 | 0·20 | 0·08 | ... | 0·10 |
| | | *Nobinagar* | 0·45 | 0·21 | ... | 0·60 | 0·59 | 0·07 | 2·88 | ... | ... | ... | 0·03 | ... | ... | 0·38 | 0·10 | 0·35 | 0·16 | 0·50 | ... | ... |
| | Shahabad | Buxar | 2·86 | 1·58 | 0·54 | 0·06 | ... | 0·04 | 0·08 | 1·12 | 0·09 | ... | 0·07 | ... | ... | ... | 1·46 | .. | ... | . | ... | 0·33 |
| | | Dehri | 1·48 | 0·28 | 0·13 | .. | ... | 0·30 | 1·40 | 0·03 | ... | ... | ... | .. | ... | ... | 0·18 | 0·30 | .. | 0·63 | ... | 0·07 |
| | | Bhabhua | 1·05 | 0·31 | 0·02 | 0·81 | ... | .. | 0·12 | 0·04 | ... | ... | ... | 0·09 | ... | 0·04 | ... | 0·35 | 0·03 | 0·10 | ... | 0·12 |
| | | Sasaram | 0·28 | 0·29 | 0·03 | 0·15 | .. | 0·35 | ... | 0·54 | ... | ... | 0·01 | ... | ... | ... | 0·36 | 0·01 | 0·01 | 0·08 | 0·01 | 0·75 |
| | | Arrah | 1·03 | ... | 0·08 | 0·70 | 0·10 | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | 0·28 | 0·81 | ... | ... | 0·08 | 1·56 |
| | | Mohanea | ... | .. | 2·02 | 1·87 | ... | 1·38 | ... | ... | ... | ... | ... | ... | .. | .. | ... | .. | ... | ... | 0·28 | .. |
| | | Ageaon | 1·06 | 0·14 | 0·10 | ... | ... | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·88 |
| | | Ramagar | 1·21 | 0·17 | 2·50 | ... | ... | ... | 0·00 | ... | 0·50 | ... | ... | ... | ... | ... | ... | 0·37 | 0·13 | ... | ... | 0·20 |
| | | Koath | 2·60 | 0·25 | 1·15 | ... | 0·20 | ... | 0·21 | ... | 0·20 | ... | ... | ... | ... | ... | 0·25 | 1·42 | 0·05 | ... | ... | 0·32 |
| | | Sikroul | 2·60 | 0·61 | 0·42 | 0·02 | 0·19 | 0·20 | 0·43 | 0·16 | ... | 0·16 | ... | ... | ... | .. | ... | 0·72 | 0·50 | 0·17 | ... | .. |
| | | Bassowan | 0·99 | 0·08 | 0·74 | 0·11 | 0·04 | 0·32 | 0·97 | 0·01 | 0·05 | ... | ... | 0·41 | ... | 0·34 | ... | 0·08 | . | ... | 0·18 | 0·36 |
| | | Monaharpur | 1·06 | 0·48 | 1·03 | 0·03 | 0·04 | 0·05 | ... | ... | ... | ... | ... | 0·31 | . | .. | ... | 0·06 | 0·05 | ... | 2·28 | 0·67 |
| | | *Akberpur* | 0·48 | 0·13 | ... | 0·65 | 0·17 | 0·08 | ... | ... | ... | ... | ... | ... | 0·13 | 0·14 | ... | 0·87 | 0·11 | 0·32 | ... | 0·03 |
| | | Chand | ... | ... | 0·80 | ... | 0·40 | ... | ... | ... | ... | ... | 1·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Chenari | | | | | | | | | | | | | | | | | | | | |
| | | Karyahar | | | | | | | | | | | | | | | | | | | | |
| | | Adhaura | | | | | | | | | | | | | | | | | | | | |
| | Saran | Gopalganj | 1·92 | .. | 0·98 | 0·80 | 0·09 | .. | .. | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | .. | ... | 1·05 | .. |
| | | Siwan | 1·91 | 1·27 | 0·72 | 0·82 | 0·14 | 0·34 | 0·40 | ... | 0·11 | ... | ... | ... | ... | 0·31 | ... | . | ... | ... | 1·19 | 0·35 |
| | | Ekma | 0·30 | 0·75 | 0·05 | ... | 0·08 | 0·18 | 4·07 | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | 1·59 | ... |
| | | Chapra | 1·02 | 0·34 | 0·02 | 0·90 | 0·03 | 0·08 | ... | .. | ... | ... | ... | ... | ... | 0·01 | ... | 0·26 | ... | ... | 1·50 | 0·90 |
| | | *Hathwa* | 1·02 | 0·99 | 0·01 | 0·36 | 0·01 | 0·02 | 0·01 | 0·05 | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | 0·05 | 0·07 |
| | | Amnor | 1·70 | ... | ... | 0·80 | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | .. | ... |
| | | Basantpur | 1·12 | .. | ... | .. | ... | ... | ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | .. | ... | ... | 0·25 | 0·65 |
| | | *Darauli* | 1·00 | 0·22 | 1·14 | 0·41 | ... | ... | ... | ... | 0·68 | 0·24 | ... | ... | ... | ... | ... | 0·17 | ... | ... | . | 3·00 |
| | | *Bhorsh* | 0·39 | 2·92 | 0·24 | 0·60 | ... | ... | ... | 1·78 | 0·03 | ... | 0·76 | ... | ... | 0·07 | ... | ... | ... | ... | 1·07 | 0·08 |
| | | *Sripur* | 0·78 | 0·12 | ... | 0·95 | 0·01 | ... | 0·16 | 1·45 | 0·63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·43 |
| | | Parsa | ... | ... | ... | .. | ... | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·70 | 1·70 |
| | | Maharajganj | 1·26 | 0·85 | 0·01 | 0·14 | 0·08 | 0·83 | 2·75 | 0·01 | 0·77 | 0·10 | ... | ... | ... | 0·13 | ... | 0·16 | ... | ... | 0·62 | 0·43 |
| | | Hasrah | 1·02 | ... | 0·05 | 0·87 | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | ... | 0·16 | 0·37 |
| Tirhut. | Champaran | Motihari | 0·92 | 0·63 | 0·01 | 0·08 | ... | 0·64 | ... | ... | 3·10 | ... | 0·09 | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·11 |
| | | Bettiah | 1·02 | 0·25 | 0·17 | 0·12 | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | 0·04 | ... | ... | 0·66 | 0·22 |
| | | Bagaha | 1·27 | 1·31 | 0·54 | ... | ... | ... | ... | 3·12 | ... | 0·62 | 0·25 | 0·05 | ... | 0·22 | ... | ... | ... | ... | 0·57 | 0·04 |
| | | Burhurwa | 1·03 | 0·14 | 0·67 | 0·05 | ... | ... | 0·53 | ... | ... | ... | ... | ... | . | ... | ... | ... | .. | ... | 0·05 | 0·88 |
| | | *Ramnagar* | 0·47 | ... | 1·14 | 0·30 | 1·36 | 0·53 | 0·03 | 0·12 | 0·07 | 1·60 | 1·40 | 0·06 | ... | ... | 0·42 | 0·95 | 0·43 | 0·10 | ... | .. |
| | | *Narkotiaganj* | 0·77 | 0·70 | ... | ... | ... | 1·43 | 0·94 | 0·06 | ... | ... | ... | ... | ... | ... | ... | .. | ... | ... | ... | 0·76 |
| | | *Kissoriah* | 0·06 | 0·10 | 0·13 | ... | ... | ... | 0·32 | ... | 0·29 | ... | 0·35 | ... | ... | ... | ... | ... | ... | ... | 0·31 | 1·71 |
| | | *Dhanaha* | 2·60 | 1·70 | 0·30 | 0·03 | ... | ... | 1·00 | 2·25 | 0·05 | ... | 0·02 | 0·05 | ... | 0·50 | ... | ... | ... | 0·06 | ... | 0·50 |
| | Muzaffarpur | Sitamarhi | 0·15 | 1·49 | 0·40 | 0·06 | ... | 0·35 | 0·68 | ... | 0·63 | 0·23 | 0·13 | ... | ... | ... | ... | 0·05 | ... | .. | ... | ... |
| | | Muzaffarpur | 0·39 | 0·64 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·53 | ... | .. | ... | ... | 0·96 | ... |
| | | Hajipur | 1·99 | 0·23 | 0·01 | 0·90 | 0·04 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·01 | ... | ... | 1·95 | 1·44 |
| | | Paru | 0·60 | 0·05 | 0·18 | | | | | | | | ... | ... | 0·19 | 0·20 | .. | 0·03 | .. | ... | 0·03 | 0·16 |
| | | Mahua | 0·40 | 0·60 | 1·35 | 0·54 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·19 | ... | ... | ... | .. | 0·70 |
| | | Shiuhar | 0·33 | 1·20 | [illegible] | 0·12 | ... | ... | ... | 0·25 | 0·20 | 2·10 | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | ... |
| | | Pupri | 0·23 | 2·23 | 0·02 | 0·04 | ... | 0·09 | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... |
| | | Raghopur | 0·21 | ... | ... | 0·77 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... |
| | | Mauine | | | | | | | | | | | | | | | | | | | | |
| | | Minapore | | | | | | | | | | | | | | | | | | | | |
| | | Katra | | | | | | | | | | | | | | | | | | | | |
| | | Patipore | | | | | | | | | | | | | | | | | | | | |
| | | Lalganj | | | | | | | | | | | | | | | | | | | | |
| | | Suraand | | | | | | | | | | | | | | | | | | | | |
| | | Sanbarsa | | | | | | | | | | | | | | | | | | | | |
| | | Bairagnia | | | | | | | | | | | | | | | | | | | | |
| | Darbhanga | Tajpur (Samastipur). | 0·10 | 1·44 | 1·35 | 0·16 | 0·40 | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | ... | ... | 0·03 |
| | | Darbhanga | 0·36 | 7·34 | 0·30 | 0·16 | 0·05 | ... | ... | ... | ... | ... | 0·03 | | | | | | | 0·06 | 0·18 | 0·22 |
| | | Madhubani | 0·47 | 0·58 | 0·20 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | 0·27 | 0·11 |
| | | Bahera | 0·17 | 4·26 | 0·53 | 0·29 | 0·38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·34 |
| | | Rosera | 4·81 | 1·27 | 0·09 | 0·05 | 0·12 | ... | ... | ... | ... | ... | ... | .. | ... | 0·05 | 0·15 | ... | 0·08 | 0·03 | .. | 0·75 |
| | | *Khutonia* | ... | 0·40 | 0·30 | ... | ... | ... | 0·20 | ... | ... | 0·37 | ... | ... | 0·88 | ... | ... | 0·10 | 0·25 | ... | ... | ... |
| | | *Ladania* | 0·20 | ... | ... | 0·20 | ... | ... | ... | 0·25 | ... | 0·10 | 1·20 | ... | ... | 0·15 | .. | ... | ... | 0·34 | 1·30 | ... |
| | | *Laukahi* | 0·37 | ... | 0·18 | ... | ... | ... | .. | ... | ... | ... | ... | 1·17 | ... | 0·70 | ... | ... | 0·37 | ... | ... | ... |
| | | *Khajouli* | 0·06 | 0·17 | 0·11 | ... | 0·07 | ... | ... | 0·08 | 0·03 | 0·05 | ... | ... | 0·36 | ... | ... | ... | ... | 0·05 | ... | .. |
| | | *Banipatti* | 0·42 | 0·43 | 0·05 | 0·05 | ... | ... | ... | 0·08 | ... | ... | 0·02 | ... | ... | 0·02 | ... | 0·08 | ... | ... | 0·17 | 0·05 |
| | | *Madhupur* | 0·15 | 0·65 | ... | ... | 0·07 | ... | ... | ... | ... | ... | 0·35 | ... | ... | 0·03 | ... | ... | ... | 0·18 | ... | ... |
| Bhagalpur. | Monghyr | Begusarai | 0·11 | 0·56 | 0·02 | 0·06 | 0·36 | ... | ... | ... | ... | ... | 0·06 | 0·04 | ... | ... | 0·35 | 0·62 | ... | 0·10 | ... | 0·15 |
| | | Monghyr | 1·25 | 0·74 | 1·05 | 0·04 | 0·07 | ... | ... | ... | . | ... | 0·35 | ... | ... | ... | 0·18 | 0·28 | 0·10 | 0·02 | ... | 0·20 |
| | | Jamui | 0·28 | 0·05 | ... | 0·20 | 0·82 | 0·10 | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·20 | 0·50 | 0·37 | 0·20 | 0·50 | 2·50 |
| | | Gogri | 0·06 | 3·65 | 1·05 | ... | 0·34 | .. | ... | ... | ... | 0·02 | ... | ... | ... | ... | 0·36 | 0·28 | ... | ... | ... | ... |
| | | Jamalpur | 2·68 | 0·03 | 0·67 | 0·44 | 0·26 | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·02 | 0·10 | 0·29 | 0·07 | ... | ... | 0·39 |
| | | Shaikhpura | ... | 0·75 | ... | 0·65 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·90 | ... | ... | ... |
| | | Chakai Bamda | 0·09 | 0·11 | 0·05 | 0·61 | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·07 | 0·49 | 0·01 | 0·19 | 0·06 | 1·21 |
| | | Chupreon | 0·21 | 6·34 | 0·47 | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | 0·04 | ... | 0·05 | . | 1·11 |
| | | Gidhour | 0·03 | 0·12 | 0·08 | 0·20 | 1·01 | 0·26 | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 0·55 | 0·08 | 0·17 | 0·15 | 2·50 |
| | | Kharagpur | 0·22 | 1·68 | 0·15 | 0·20 | 0·40 | 0·30 | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | 0·19 | ... | 3·05 |

## STATIONS IN BENGAL IN JULY 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 31st July 1909. | Average rainfall from 16th May to 31st July. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3·76 | 1·44 | 2·24 | 0·33 | 0·31 | ... | 0·12 | ... | ... | 0·21 | ... | 13 | 14·16 | 13·05 | 11·41 | 3·76 | | 20·38 | Patna ... | Patna ... | Patna. | Bihar. |
| 4·40 | 0·85 | 0·75 | 0·10 | 0·36 | ... | ... | ... | ... | 0·05 | ... | 9 | 14·61 | 11·74 | 12·33 | 4·40 | 19·45 | 21·36 | Dinapore. | | | |
| 2·36 | 1·25 | 0·66 | 0·55 | 1·67 | 0·20 | 1·06 | ... | ... | 0·72 | 0·47 | 16 | 15·00 | 15·68 | 12·90 | 3·86 | 30·76 | 21·04 | Bihar. | | | |
| 0·69 | ... | 1·02 | 0·67 | 0·95 | ... | 0·02 | ... | ... | 0·40 | .. | 7 | 13·68 | 4·96 | 12·35 | 1·02 | 20·88 | 19·65 | Barh. | | | |
| 1·25 | 2·03 | 0·90 | 0·50 | 0·45 | 0·10 | ... | ... | ... | 2·00 | 0·90 | 15 | 14·57 | 12·49 | 13·14 | 2·25 | 25·34 | 23·25 | Bikram. | | | |
| 2·17 | 2·10 | 0·29 | 0·30 | 0·20 | ... | 0·68 | ... | ... | 0·12 | 1·65 | 15 | 14·21 | 11·11 | 12·30 | 2·17 | 24·95 | 21·09 | Hilsa. | | | |
| 2·60 | 1·75 | 0·40 | 0·43 | 0·33 | ... | 0·23 | ... | ... | 1·57 | 0·06 | 11 | ? | 11·41 | ? | 2·60 | 27·86 | ? | *Islampur.* | | | |
| 3·45 | 0·60 | 2·40 | 0·92 | 0·32 | ... | ... | ... | ... | 0·83 | 0·18 | 10 | ? | 10·38 | ? | 3·45 | 22·18 | ? | *Asthawan.* | | | |
| 0·95 | 1·22 | 0·88 | 0·13 | 0·05 | 0·20 | ... | ... | 0·30 | 1·40 | 1·95 | 14 | 14·19 | 9·33 | 12·82 | 1·22 | 25·96 | 20·05 | Aurangabad... | Gaya ... | | |
| 3·06 | 3·06 | 1·67 | 1·25 | 0·5 | 0·09 | 0·51 | 0·03 | ... | 1·06 | 0·37 | 12 | 15·68 | 16·20 | 12·39 | 3·06 | 33·00 | 19·95 | Gaya. | | | |
| 1·40 | 2·55 | 0·11 | 0·60 | 0·63 | 0·40 | ... | 0·30 | ... | 0·61 | 0·17 | 15 | 14·96 | 10·17 | 12·07 | 2·55 | 19·73 | 20·09 | Nawadah. | | | |
| 2·02 | 2·00 | 0·07 | 0·44 | 0·04 | 0·10 | 0·02 | ... | ... | 2·17 | 0·72 | 13 | 13·75 | 11·05 | 12·26 | 2·02 | 24·62 | 19·36 | Jahanabad. | | | |
| 0·77 | 1·80 | 0·35 | 1·15 | 0·25 | .. | ... | ... | ... | 0·52 | 0·41 | 13 | 13·60 | 9·04 | 13·53 | 1·80 | 22·77 | 20·33 | Arwal. | | | |
| 0·67 | 1·25 | 0·37 | ... | ... | 0·70 | 0·48 | ... | ... | 1·92 | 0·39 | 14 | 14·00 | 9·92 | 12·48 | 1·92 | 24·15 | 19·43 | Daudnagar. | | | |
| 0·37 | 0·95 | 1·15 | 0·12 | 0·45 | 0·20 | ... | ... | 0·63 | 0·92 | 0·55 | 15 | 12·87 | 9·65 | 10·40 | 1·52 | 21·13 | 17·54 | Sherghati. | | | |
| 1·90 | 0·08 | 0·50 | ... | 0·11 | ... | ... | ... | 2·40 | ... | ... | 12 | 16·50 | 11·14 | 12·61 | 2·20 | 22·46 | 21·09 | Rajauli. | | | |
| 2·15 | 0·10 | ... | ... | .. | ... | ... | 1·40 | 0·14 | ... | ... | 9 | 12·87 | 10·60 | 13·00 | 2·70 | 23·88 | 19·98 | Pakri Barawan. | | | |
| 0·65 | 0·85 | 1·38 | 0·39 | 0·02 | 0·26 | 0·07 | ... | 0·54 | 1·76 | 0·25 | 16 | ? | 12·08 | ? | 2·03 | 29·94 | ? | *Deo.* | | | |
| 0·30 | 0·50 | 1·00 | 0·70 | 0·05 | 0·05 | ... | 0·10 | 0·43 | 1·03 | 0·08 | 17 | ? | 10·67 | ? | 2·88 | 30·56 | ? | *Nabinagar.* | | | |
| 0·20 | 0·41 | 1·66 | 0·38 | 0·54 | 0·37 | ... | ... | 0·06 | 1·59 | 1·83 | 14 | 14·39 | 15·23 | 11·72 | 2·86 | 27·23 | 17·58 | Buxar ... | Shahabad ... | | |
| 0·53 | 1·23 | 0·32 | 0·13 | ... | 0·19 | ... | ... | 0·56 | 1·53 | 0·31 | 16 | 14·72 | 9·60 | 11·64 | 1·53 | 25·84 | 18·76 | Dehri. | | | |
| 0·10 | 1·50 | 0·42 | 0·48 | ... | 0·30 | ... | ... | 1·35 | 0·30 | 0·12 | 16 | 13·71 | 8·05 | 12·28 | 1·50 | 28·69 | 18·12 | Bhabhua. | | | |
| 0·50 | 0·70 | 0·21 | 0·09 | 0·03 | 0·35 | 0·01 | 0·01 | 1·67 | 0·42 | 0·87 | 14 | 14·32 | 7·63 | 11·76 | 1·67 | 29·65 | 17·89 | Sasaram. | | | |
| 0·75 | 0·96 | 2·75 | 0·48 | 0·49 | ... | ... | ... | ... | 0·71 | 0·22 | 13 | 15·13 | 11·36 | 13·35 | 2·75 | 23·25 | 21·35 | Arrah. | | | |
| .. | ... | 0·59 | ... | ... | ... | ... | ... | 1·70 | 0·52 | 1·03 | 8 | 11·14 | 9·44 | 13·80 | 2·07 | 18·54 | 20·68 | Mohanea. | | | |
| 1·08 | 1·70 | 0·35 | 1·28 | 0·30 | 0·39 | ... | ... | ... | 0·96 | 0·52 | 12 | 12·33 | 9·87 | 13·76 | 1·70 | 24·71 | 23·38 | Ageaon. | | | |
| 0·50 | 2·28 | .. | 0·63 | 0·18 | 0·20 | ... | ... | ... | 1·90 | 0·30 | 15 | 14·00 | 11·87 | 13·15 | 2·30 | 25·19 | 20·55 | Ramagar. | | | |
| 0·40 | 1·61 | 1·65 | 0·80 | 0·30 | 0·17 | ... | ... | ... | 3·00 | 0·45 | 17 | 14·22 | 15·36 | 13·18 | 3·00 | 27·63 | 19·39 | Koath. | | | |
| 0·58 | 0·47 | 0·86 | 0·71 | 0·16 | 0·17 | ... | ... | .. | 1·80 | 0·42 | 17 | 15·33 | 10·45 | 11·48 | 2·60 | 23·18 | 17·21 | Sikroul. | | | |
| 0·20 | 1·67 | 0·17 | 0·37 | ... | ... | 1·10 | ... | 0·86 | 1·00 | 0·69 | 17 | 13·44 | 10·43 | 14·04 | 1·67 | 22·36 | 20·11 | Bassowan. | | | |
| 0·05 | 1·32 | 1·34 | 0·39 | 0·09 | 0·17 | ... | ... | 0·32 | 0·26 | 0·44 | 13 | 14·11 | 10·44 | 12·10 | 2·28 | 22·48 | 19·10 | Monaharpur. | | | |
| 0·28 | 0·44 | 0·66 | 0·20 | 0·31 | 0·11 | ... | 1·16 | 0·31 | 0·32 | 0·53 | 19 | ? | 7·43 | ? | 1·16 | 29·23 | ? | *Akberpur.* | | | |
| 1·20 | 1·44 | 0·30 | ... | ... | ... | ... | ... | 0·80 | [illegible] | ... | 7 | ? | 6·44 | ? | 1·50 | ? | ? | Chand. | | | |
| | | | | | | | | | | | | | | | | | | Chenari. | | | |
| | | | | | | | | | | | | | | | | | | Kargahar. | | | |
| | | | | | | | | | | | | | | | | | | Adhaura. | | | |
| 0·95 | 0·60 | 0·57 | 0·57 | 0·63 | ... | 0·23 | ... | ... | 0·38 | ... | 12 | 13·68 | 8·97 | 12·38 | 1·92 | 34·00 | 29·87 | Gopalganj ... | Saran ... | | |
| 2·65 | 0·07 | 0·84 | 0·63 | 0·49 | ... | 0·03 | ... | 0·22 | 0·93 | 0·49 | 17 | 14·19 | 12·70 | 11·83 | 2·65 | 24·54 | 20·05 | Siwan. | | | |
| 2·82 | 0·15 | 0·83 | 1·60 | ... | ... | ... | ... | 0·05 | 0·10 | ... | 11 | 11·71 | 12·65 | 10·45 | 4·05 | 23·49 | 19·86 | Ekma. | | | |
| 1·15 | 1·30 | 0·15 | 0·54 | 1·05 | 0·60 | 0·50 | ... | .. | 0·02 | 0·08 | 13 | 14·23 | 11·33 | 11·29 | 1·50 | | 18·80 | Chapra. | | | |
| 3·55 | 0·37 | 1·64 | 0·11 | 1·32 | ... | 0·14 | ... | 0·01 | 0·84 | ... | 10 | ? | 10·57 | ? | 3·55 | 30·98 | ? | *Hathwa.* | | | |
| ... | 1·20 | 0·70 | 0·50 | ... | ... | ... | ... | ... | ... | ... | 6 | 13·75 | 5·20 | 12·18 | 1·70 | 25·49 | 22·41 | Amnor. | | | |
| 3·07 | 0·40 | 0·90 | 0·30 | 0·40 | 0·10 | ... | ... | ... | 0·20 | 0·40 | 13 | 12·53 | 9·40 | 12·28 | 3·07 | 24·36 | 21·51 | Basantpur. | | | |
| 1·03 | 0·21 | 0·26 | 0·24 | 1·50 | 0·22 | ... | ... | 1·83 | 1·20 | 0·40 | 18 | ? | 11·11 | ? | 3·09 | 23·37 | ? | *Darauli.* | | | |
| 3·30 | 2·12 | 0·40 | 1·22 | ... | ... | 0·11 | ... | ... | 1·72 | 0·17 | 14 | ? | 10·88 | ? | 3·30 | 45·41 | ? | *Bhoreh.* | | | |
| 1·57 | 0·32 | 0·57 | 0·49 | 1·03 | ... | 0·30 | ... | ... | 0·96 | 0·01 | 14 | ? | 9·58 | ? | 1·57 | 30·46 | ? | *Sripur.* | | | |
| ... | 1·02 | 1·70 | 1·02 | ... | .. | .. | ... | ... | ... | ... | 5 | ? | 6·14 | ? | 1·70 | ? | ? | Parsa. | | | |
| 2·82 | 0·03 | 0·85 | 0·78 | 0·88 | 0·01 | 0·18 | ... | ... | 0·25 | 0·50 | 18 | [illegible] | 14·55 | ? | 2·88 | ? | ? | Moharajganj. | | | |
| 0·55 | 0·34 | 0·34 | 1·23 | 0·79 | ... | ... | ... | ... | 0·15 | 0·11 | 12 | ? | [illegible] | ? | 1·79 | ? | ? | Masrah. | | | |
| 1·35 | 0·46 | 0·68 | 0·47 | 0·73 | ... | ... | ... | ... | 1·73 | ... | 12 | 12·48 | 11·20 | 12·40 | 3·10 | 25·92 | 23·26 | Motihari ... | Champaran ... | Tirhut. | |
| 1·80 | 2·69 | 0·79 | 0·58 | 0·66 | ... | .. | ... | ... | 2·31 | ... | 13 | 13·40 | 12·14 | 13·93 | 2·69 | 26·72 | 24·08 | Bettiah. | | | |
| 1·82 | 0·60 | 0·32 | 0·42 | 0·61 | 0·01 | ... | .. | 0·63 | 1·65 | ... | 14 | 15·25 | 13·51 | 16·35 | 3·12 | 25·60 | 23·65 | Bagaha. | | | |
| 1·25 | 1·62 | 1·71 | 0·90 | 0·58 | 0·26 | ... | ... | ... | 1·14 | ... | 12 | 14·19 | 10·78 | 12·04 | 1·71 | 25·70 | 21·49 | Burhurwa. | | | |
| ... | ... | ... | ... | ... | 0·06 | 0·86 | ... | 0·16 | 0·08 | ... | 14 | ? | 10·14 | ? | 1·69 | 20·97 | ? | *Ramnagar.* | | | |
| 1·40 | 0·50 | 0·46 | 0·10 | ... | ... | ... | 1·90 | ... | ... | ... | 10 | ? | 9·02 | ? | 1·43 | 19·28 | ? | *Narkotiaganj.* | | | |
| 2·77 | 0·94 | 1·42 | 0·56 | 0·10 | ... | ... | ... | ... | 2·40 | ... | 13 | ? | 11·96 | ? | 2·77 | 27·83 | ? | *Kissoriah.* | | | |
| 1·80 | 0·13 | 0·53 | 0·85 | 0·50 | ... | ... | 1·00 | 0·50 | 0·50 | ... | 15 | ? | 12·95 | ? | 2·[illegible] | 23·70 | ? | *Dhanaha.* | | | |
| 0·20 | 3·12 | 0·36 | 0·20 | 0·70 | 0·08 | ... | 0·15 | ... | 0·25 | 0·12 | 16 | 12·00 | 9·26 | 12·54 | 3·12 | 27·17 | 2[illegible]·86 | Sitamarhi ... | Muzaffarpur | | |
| 0·60 | 0·93 | 1·54 | 0·27 | ... | ... | ... | ... | 0·16 | ... | ... | 9 | 14·30 | 6·02 | 11·90 | 1·54 | 24·31 | 20·36 | Muzaffarpur. | | | |
| 3·33 | 0·90 | 0·46 | 0·77 | 0·06 | 0·28 | ... | ... | ... | 0·10 | ... | 12 | 14·51 | 13·15 | 12·23 | 3·33 | 30·11 | 20·67 | Hajipur. | | | |
| 2·59 | 1·00 | 0·80 | 0·26 | 0·45 | ... | ... | ... | ... | 2·10 | 0·50 | ... | 13·33 | ? | 12·38 | | | 20·19 | Paru. | | | |
| 1·45 | 0·65 | 1·22 | 0·04 | 0·30 | ... | 0·30 | ... | ... | 0·16 | ... | 12 | 13·93 | 7·93 | 13·22 | 1·45 | 29·70 | 21·89 | Mahua. | | | |
| 3·10 | 3·26 | 0·44 | ... | 0·19 | ... | 0·57 | ... | ... | 0·83 | ... | 14 | 11·67 | 12·69 | 10·43 | 3·26 | 25·90 | 19·11 | Shiuhar. | | | |
| ... | 2·95 | 0·50 | 0·13 | 0·32 | 0·10 | ... | ... | ... | ... | ... | 9 | 11·33 | 5·93 | 11·48 | 2·95 | 21·02 | 21·15 | Pupri. | | | |
| 4·50 | 1·50 | 1·14 | ... | 0·24 | ... | ... | ... | ... | ... | 0·15 | 8 | ? | 8·71 | ? | 4·50 | ? | ? | Raghopur. | | | |
| | | | | | | | | | | | | | | | | | | Manine. | | | |
| | | | | | | | | | | | | | | | | | | Minapore. | | | |
| | | | | | | | | | | | | | | | | | | Katra. | | | |
| | | | | | | | | | | | | | | | | | | Patipore. | | | |
| | | | | | | | | | | | | | | | | | | Lalganj. | | | |
| | | | | | | | | | | | | | | | | | | Sursand. | | | |
| | | | | | | | | | | | | | | | | | | Sanbarsa. | | | |
| | | | | | | | | | | | | | | | | | | Bairagnia. | | | |
| 5·08 | 0·87 | 1·21 | ... | 1·08 | 0·06 | ... | ... | 0·34 | 1·22 | 0·01 | 12 | 13·73 | 13·47 | 12·69 | 5·08 | 37·69 | 21·24 | Tajpur (Samastipur). | Darbhanga ... | | |
| 0·05 | 3·18 | 0·65 | ... | 0·04 | 0·71 | 0·20 | ... | 0·08 | 0·54 | 0·07 | 11 | 14·37 | 14·22 | 12·13 | 7·34 | 42·47 | 21·14 | Darbhanga. | | | |
| .. | 3·12 | 1·37 | 0·01 | 0·68 | 0·29 | 0·20 | ... | ... | 0·19 | 0·07 | 12 | 13·10 | 7·90 | 12·18 | 3·12 | 30·63 | 22·24 | Madhubani. | | | |
| 0·43 | 2·32 | 0·90 | ... | 0·23 | 0·61 | 0·25 | ... | ... | 0·55 | 0·15 | 14 | 14·19 | 11·51 | 13·11 | 4·26 | 36·82 | 22·46 | Bahera. | | | |
| 9·00 | 0·55 | 1·15 | ... | 1·05 | 0·34 | ... | ... | ... | 1·15 | ... | 12 | 14·33 | 21·23 | 12·04 | 9·00 | 47·14 | 20·15 | Roserha. | | | |
| 2·26 | 0·72 | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | 10 | ? | 5·33 | ? | 2·26 | 23·21 | ? | *Khutonia.* | | | |
| ... | 1·33 | 3·10 | ... | 0·20 | ... | ... | ... | ... | ... | ... | 11 | ? | 8·37 | ? | 3·10 | 30·84 | ? | *Ladania.* | | | |
| ... | 1·86 | 1·73 | ... | ... | ... | ... | ... | ... | ... | 0·36 | 8 | ? | 4·22 | ? | 1·86 | 25·34 | ? | *Laukahi.* | | | |
| 4·92 | 0·94 | 0·19 | 1·03 | 0·07 | ... | ... | ... | 0·04 | 0·19 | ... | 8 | ? | 8·36 | ? | 4·92 | 32·09 | ? | *Khajouli.* | | | |
| ... | 2·78 | 0·83 | [illegible] | 0·69 | 0·17 | 0·10 | ... | ... | 0·22 | 0·07 | 10 | ? | 6·78 | ? | 2·78 | 27·88 | ? | *Hanipatti.* | | | |
| 0·35 | 1·08 | 1·02 | ... | ... | 0·40 | ... | ... | 0·10 | ... | 0·10 | 10 | ? | 5·08 | ? | 1·02 | 29·82 | ? | *Madhupur.* | | | |
| 2·60 | 0·45 | 0·80 | 0·10 | 0·85 | 0·09 | ... | ... | ... | 0·35 | ... | 13 | 14·65 | 7·67 | 12·18 | 2·60 | 28·25 | 20·10 | Begusarai .. | Monghyr ... | Bhagalpur. | |
| 0·78 | 0·38 | 0·20 | 0·43 | 0·45 | 0·30 | 0·02 | ... | ... | 0·55 | ... | 15 | 15·61 | 7·33 | 12·42 | 1·25 | 27·25 | 20·99 | Monghyr. | | | |
| 0·32 | 0·15 | 0·15 | 0·27 | ... | 0·50 | 0·25 | ... | 0·76 | 0·10 | 0·20 | 20 | 16·05 | 8·52 | 13·95 | 2·50 | 18·69 | 22·41 | Jamui. | | | |
| 1·93 | 0·60 | 0·76 | ... | 0·21 | 0·46 | ... | ... | ... | 0·21 | ... | 13 | 13·20 | 9·93 | 14·75 | 3·05 | 34·00 | 24·55 | Gogri. | | | |
| 2·70 | 1·13 | 0·37 | 0·17 | 0·19 | ... | 0·27 | ... | ... | 0·39 | ... | 14 | 16·33 | 10·18 | 15·72 | 2·70 | 38·80 | 25·49 | Jamalpur. | | | |
| 3·85 | 2·35 | ... | 1·90 | ... | ... | 0·55 | ... | ... | ... | ... | 7 | 9·53 | 12·05 | 11·65 | 3·85 | 29·52 | 20·27 | Shaikhpura. | | | |
| 0·78 | 0·32 | 1·07 | 0·26 | 0·01 | 0·07 | ... | ... | ... | 0·34 | 0·55 | 12 | 16·13 | 6·49 | 16·16 | 1·21 | 13·61 | 27·76 | Chakai Bamda. | | | |
| 2·04 | 2·20 | 0·16 | ... | 0·11 | 0·38 | ... | ... | ... | 0·66 | 0·19 | 13 | 13·13 | 14·54 | 11·67 | 6·34 | 36·18 | 18·85 | Chupreon. | | | |
| 0·93 | 0·15 | 0·57 | 0·90 | 0·40 | 0·35 | 0·17 | ... | 0·15 | 0·21 | ... | 18 | 14·83 | 9·13 | 12·23 | 2·50 | 22·20 | 20·41 | Gidhour. | | | |
| 1·65 | 1·00 | 1·44 | 0·77 | ... | 0·15 | 0·37 | ... | 0·14 | ... | 0·82 | 17 | 16·17 | 12·67 | 12·28 | 3·05 | 28·48 | 20·59 | Kharagpur. | | | |

## TABLE OF RAINFALL RECORDED AT

| Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bhagalpur—*contd.* | Bhagalpur ... | Madhipura ... | 0·90 | 2·38 | ... | ... | ... | ... | 2·95 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·10 | 0·42 |
| | | Bangaon (Syfabad). | ... | 4·75 | 0·85 | 0·38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | 0·10 |
| | | Supaul ... | 0·10 | 0·56 | 0·27 | ... | 0·11 | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | 0·05 | 0·10 | 0·10 |
| | | Pratapganj ... | 1·02 | ... | 0·67 | ... | 0·20 | ... | ... | ... | ... | ... | 0·65 | 0·65 | ... | 0·95 | 0·05 | ... | ... | 0·05 | ... | 0·02 |
| | | Bhagalpur ... | 0·67 | 0·40 | 0·03 | 0·16 | 0·35 | 0·03 | ... | ... | ... | ... | 0·09 | ... | ... | 0·92 | 0·67 | 0·26 | ... | 0·05 | ... | 1·30 |
| | | Banka ... | 0·30 | 0·13 | 0·05 | 0·37 | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·68 | 0·10 | ... | ... | ... | 1·40 |
| | | Colgong ... | 1·31 | 0·19 | 0·61 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·61 | ... | ... | ... | 0·95 |
| | | Banel ... | 0·19 | 0·54 | 0·21 | 0·25 | 0·08 | ... | ... | ... | 0·38 | ... | ... | ... | ... | 0·06 | 0·56 | ... | 0·09 | 0·04 | ... | |
| | Darjeeling ... | Siliguri ... | 1·60 | 2·15 | 0·36 | 0·35 | 0·17 | 0·77 | ... | ... | ... | 0·11 | ... | 2·08 | ... | 0·22 | 1·77 | 1·18 | 0·65 | 0·32 | 3·53 | 0·45 |
| | | Darjeeling ... | 1·93 | 2·98 | 0·93 | 0·53 | 0·39 | 0·05 | 0·53 | 0·35 | ... | 0·71 | 0·63 | 0·16 | 1·09 | 0·91 | 1·11 | 0·43 | 0·16 | 0·48 | 1·95 | 0·42 |
| | | Kalimpong ... | 2·20 | 1·15 | 0·56 | 0·98 | 0·26 | ... | ... | ... | ... | 0·04 | 0·12 | 0·25 | 2·50 | 0·48 | 1·27 | 0·69 | 0·90 | 1·36 | 1·25 | 0·06 |
| | | Mongpoo ... | 2·18 | 2·63 | 0·91 | 0·39 | 0·30 | 0·01 | 0·20 | 0·03 | 0·16 | 0·33 | 0·72 | 0·72 | 0·30 | 1·22 | 1·37 | 0·26 | 0·35 | 1·12 | 1·45 | 0·17 |
| | | Kurseong ... | 1·85 | 3·32 | 1·19 | 0·67 | 0·51 | 0·38 | 0·42 | 0·81 | 0·37 | 0·24 | 0·62 | 2·15 | 0·50 | 2·30 | 1·43 | 0·45 | 0·38 | 1·48 | 2·70 | 1·03 |
| | | Pedong ... | 2·70 | 0·57 | 0·61 | 0·09 | 1·29 | 0·13 | 0·12 | 0·14 | 0·04 | 0·72 | 0·37 | 0·15 | 1·50 | 0·72 | 1·18 | 1·36 | 0·38 | 0·98 | 0·77 | 0·33 |
| | Purnea ... | Kishanganj ... | 0·69 | 0·38 | 0·03 | ... | 0·07 | ... | ... | ... | 0·79 | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | 0·27 | 1·07 |
| | | Araria ... | 1·30 | 0·33 | 0·90 | 0·05 | 0·75 | 0·06 | ... | ... | 0·67 | ... | ... | ... | ... | ... | 0·04 | ... | 0·20 | 0·80 | 0·70 | 0·50 |
| | | Purnea ... | 1·96 | 0·80 | 0·74 | 0·05 | 0·31 | ... | ... | ... | 0·24 | ... | 0·37 | ... | ... | ... | 0·28 | 0·14 | ... | 0·08 | 0·12 | 0·08 |
| | | Gondwara (*Korah*). | 0·09 | 4·08 | ... | 0·12 | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | 0·41 | ... | ... | ... | ... | ... | ... |
| | | Barsoe ... | 2·46 | 0·91 | ... | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | 0·10 | ... | ... | ... | ... | 0·10 |
| | | Forbesganj ... | 1·60 | 0·40 | 0·44 | 0·46 | 0·66 | ... | ... | ... | ... | 0·01 | 0·51 | 0·02 | ... | ... | 0·15 | ... | 0·10 | 0·25 | 0·55 | 0·05 |
| | | Kishanganj ... | 2·25 | 2·30 | 1·00 | ... | ... | ... | ... | ... | ... | 1·30 | ... | ... | ... | 0·52 | ... | ... | ... | ... | ... | ... |
| | Sonthal Parganas. | Rajmahal ... | 0·70 | 0·75 | 0·50 | 0·04 | 0·11 | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·65 | 0·70 | 0·09 | ... | ... | 0·39 |
| | | Godda ... | ... | ... | ... | 0·66 | ... | ... | ... | ... | 0·39 | ... | ... | ... | ... | ... | 0·53 | 0·05 | 0·06 | 0·46 | ... | 1·44 |
| | | Pakaur ... | 0·35 | 3·10 | 0·77 | 0·46 | 0·43 | 0·14 | ... | ... | ... | ... | ... | ... | ... | 0·67 | 0·88 | 0·17 | 0·12 | 0·17 | ... | 0·02 |
| | | Naya Dumka ... | 0·47 | ... | 0·16 | 0·30 | 0·16 | 0·05 | ... | ... | ... | 0·09 | 0·11 | ... | ... | 0·37 | 0·30 | 0·11 | 0·03 | 0·09 | 0·02 | 0·15 |
| | | Deoghur ... | ... | 0·33 | 2·22 | 0·23 | 0·19 | ... | ... | ... | ... | ... | ... | 0·28 | ... | 0·20 | 0·35 | 0·34 | 0·02 | 0·08 | 0·03 | 2·68 |
| | | Jamtara ... | 0·04 | 0·11 | 0·18 | 0·58 | 0·12 | 0·04 | ... | ... | 0·03 | ... | 0·03 | ... | ... | 0·08 | 0·15 | 0·35 | 0·61 | 0·08 | ... | ... |
| | | *Mohagama* ... | ... | 0·80 | ... | 0·50 | 0·18 | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 0·18 | 0·15 | ... | ... | ... | 1·10 |
| | | Nanihat ... | 0·56 | ... | ... | 0·51 | ... | ... | ... | ... | 0·43 | ... | ... | ... | ... | ... | 0·45 | 0·72 | ... | ... | ... | 0·15 |
| | | Assenboni ... | ... | ... | ... | 1·20 | 0·70 | 2·30 | 0·10 | 1·00 | ... | ... | ... | ... | ... | 0·10 | ... | 0·35 | 0·05 | 0·30 | ... | ... |
| | | Katikund ... | 1·13 | 1·27 | 0·41 | 0·15 | ... | ... | ... | ... | ... | 0·19 | ... | 0·62 | ... | 0·51 | 0·36 | 0·62 | 0·54 | ... | ... | 0·17 |
| | | Madhupur ... | 0·60 | ... | 0·60 | 0·70 | 0·80 | ... | ... | ... | ... | 0·30 | 1·30 | ... | 0·22 | 0·15 | 0·80 | ... | 0·53 | 0·65 | ... | 0·75 |
| | | Sarwan ... | 2·59 | ... | 0·77 | 0·10 | 0·54 | ... | ... | ... | ... | ... | 0·07 | 0·17 | ... | 0·07 | 0·12 | 0·15 | 0·20 | ... | 0·18 | 2·80 |
| | | Sarath ... | ... | ... | 1·53 | 0·44 | 0·35 | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | 1·40 | ... | ... | ... | ... | 1·10 |
| | | Poorya ... | 0·62 | 0·22 | 0·10 | ... | ... | ... | ... | ... | ... | ... | 0·40 | ... | 0·30 | 0·25 | 0·10 | 0·63 | 1·50 | 4·00 | 0·10 | 0·35 |
| | | Bhagya ... | 2·10 | 1·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 |
| | | Mohespur ... | 0·62 | 1·83 | 0·06 | 0·29 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·31 | 0·42 | 0·02 | 0·65 | 0·23 | ... | ... |
| | | *Hiranpur* ... | 3·20 | 2·35 | 0·45 | 0·58 | ... | ... | ... | ... | ... | ... | ... | ... | 0·60 | 0·74 | 0·17 | 0·18 | 0·46 | ... | ... | 1·40 |
| | | Barharwa ... | 0·45 | 4·23 | 0·23 | 0·09 | 0·15 | 0·18 | ... | ... | ... | ... | ... | ... | ... | ... | 1·02 | 0·10 | 0·02 | ... | ... | 0·10 |
| | | Sahibganj ... | 0·27 | 2·00 | 0·53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | 0·36 | 1·05 | ... | ... | ... | 1·65 |
| | | *Bario* ... | 0·11 | 3·45 | 1·55 | 0·18 | 0·05 | ... | ... | ... | 0·58 | 0·48 | 0·03 | ... | ... | 0·16 | 0·05 | 0·18 | 0·05 | ... | ... | 0·92 |
| | | Amrapura ... | 3·15 | 0·40 | 0·28 | 0·90 | 0·06 | 0·09 | ... | ... | ... | 0·22 | 0·15 | 0·15 | 0·46 | ... | ... | 0·33 | 0·68 | 0·65 | 2·45 | ... |
| Orissa. | Sambalpur ... | Sambalpur ... | 0·52 | 0·27 | 0·07 | 1·89 | 0·16 | ... | 0·53 | ... | 0·94 | 1·05 | 0·37 | 0·22 | 0·12 | 1·47 | 0·04 | 0·93 | 1·72 | 0·37 | 0·18 | 0·03 |
| | | Burgarh ... | 0·12 | 0·01 | ... | 1·14 | 0·12 | 0·01 | 0·04 | ... | ... | 0·81 | 0·35 | 0·37 | 0·06 | 0·46 | ... | 0·45 | 1·02 | 0·21 | 0·20 | 0·02 |
| | | *Padampur (Barasamber).* | ... | ... | ... | 0·56 | 0·32 | ... | 0·60 | ... | ... | 0·16 | 1·82 | 0·16 | 0·50 | 2·90 | ... | 0·14 | 1·26 | 0·30 | ... | ... |
| | Uria Feudatory States. | Bhawanipatna | 1·32 | ... | 0·05 | 3·01 | ... | ... | 1·20 | 0·88 | 0·86 | 2·86 | 0·46 | 0·10 | 0·15 | 2·15 | 0·29 | 4·45 | ... | ... | 0·10 | 0·25 |
| | | Bolangir ... | ... | 0·51 | ... | ... | 0·11 | ... | 0·03 | 0·02 | ... | 0·67 | 0·97 | 0·50 | 0·10 | 0·40 | ... | ... | 0·56 | ... | ... | ... |
| | | Sonepur ... | 0·28 | ... | 0·10 | 0·62 | ... | 0·07 | ... | ... | 0·05 | 0·50 | 1·28 | 1·24 | 0·09 | 0·51 | 0·04 | 0·29 | 0·52 | 0·05 | ... | ... |
| | | Kampur ... | ... | 0·36 | ... | 0·30 | ... | 0·12 | ... | ... | 1·05 | 0·33 | 1·40 | 0·17 | ... | 1·14 | ... | 0·55 | 1·37 | 0·31 | 0·14 | 0·13 |
| | | Deoghur ... | 1·15 | 0·77 | 0·04 | 3·40 | 1·70 | 0·30 | ... | ... | ... | 1·69 | 0·85 | 0·57 | 1·20 | 1·30 | 0·15 | 1·60 | 1·10 | 0·18 | 0·02 | 0·01 |
| | | Gangpur ... | 0·50 | 0·24 | ... | 0·94 | 0·36 | ... | 0·13 | ... | 0·22 | 1·73 | 0·24 | 0·25 | 0·69 | 1·49 | 0·34 | 3·66 | 0·31 | 0·58 | ... | 0·01 |
| | | Bonaigurh ... | 1·30 | 1·07 | 0·45 | 1·22 | 0·10 | ... | 0·05 | ... | 1·00 | 0·02 | ... | 1·15 | 0·55 | 0·25 | 0·20 | 2·25 | 0·20 | 0·06 | 0·04 | ... |
| | Cuttack ... | Jagatsingpur | 0·12 | ... | 0·86 | 3·44 | 0·02 | 0·02 | 0·35 | ... | 1·00 | 0·18 | 1·89 | 2·26 | 7·20 | 0·53 | ... | 0·10 | ... | ... | 0·10 | 2·07 |
| | | Banki ... | 0·07 | ... | 0·05 | 1·32 | 1·26 | ... | ... | ... | 0·41 | 0·72 | 0·67 | 2·32 | 0·51 | 0·32 | 0·01 | 0·50 | 0·68 | ... | 0·03 | 0·05 |
| | | Cuttack ... | 0·04 | ... | 1·38 | 0·32 | 0·37 | ... | 0·02 | ... | 0·25 | 1·03 | 0·38 | 3·05 | 2·83 | 0·40 | 0·03 | 0·15 | 0·21 | ... | 0·09 | ... |
| | | False Point ... | 0·33 | 0·03 | 0·71 | ... | ... | ... | ... | ... | ... | 0·12 | 0·30 | 0·06 | 3·43 | 0·07 | ... | 0·04 | 0·71 | ... | 0·25 | 1·62 |
| | | Kendrapara ... | 1·32 | 0·10 | 0·55 | 0·07 | ... | ... | ... | ... | 2·87 | 0·84 | 1·25 | 0·33 | 3·61 | 0·17 | ... | 0·18 | 0·32 | ... | 0·23 | 0·20 |
| | | Jajpur ... | 1·50 | ... | 0·21 | 0·04 | ... | ... | ... | 0·12 | 0·25 | 0·45 | 0·05 | 0·59 | 2·05 | 7·97 | ... | 0·27 | 0·18 | 0·12 | 0·05 | ... |
| | | Dharmsala ... | ... | 0·69 | 1·11 | 0·04 | ... | ... | 0·21 | 0·73 | 0·03 | 0·40 | 1·65 | 2·80 | 2·38 | ... | 0·37 | 0·38 | 0·24 | 0·04 | 0·03 | 0·02 |
| | | Salepur ... | ... | ... | 0·37 | 0·16 | ... | ... | ... | ... | 0·46 | 2·70 | 0·91 | 1·50 | 6·50 | 0·60 | ... | 0·36 | 0·40 | ... | 0·20 | 0·02 |
| | Balasore ... | Akhyapada ... | 1·46 | 0·03 | 0·21 | 0·71 | ... | ... | ... | ... | 0·47 | 1·73 | ... | 0·12 | 1·81 | 5·76 | 0·07 | 0·39 | 0·21 | 0·09 | 0·20 | 0·01 |
| | | Chandbali ... | 3·50 | 0·08 | 0·84 | ... | 0·26 | ... | ... | 0·11 | 0·19 | 0·32 | ... | ... | 3·71 | 1·73 | ... | 0·30 | 0·18 | 0·28 | 0·12 | 0·74 |
| | | Bhadrak ... | 1·06 | 0·06 | 0·07 | ... | 0·03 | ... | ... | ... | 0·72 | 1·00 | ... | 0·09 | 0·85 | 1·71 | ... | 0·46 | 0·15 | 0·26 | 0·17 | 0·09 |
| | | Soro ... | ... | 0·91 | ... | ... | 0·05 | ... | ... | ... | 0·40 | ... | ... | ... | 0·81 | 0·59 | ... | 1·00 | 0·60 | ... | ... | ... |
| | | Balasore ... | 0·50 | 0·10 | 0·03 | ... | ... | ... | ... | ... | 0·44 | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jellasore ... | ... | 1·25 | ... | ... | ... | ... | ... | ... | 0·27 | 0·42 | ... | 0·11 | 0·66 | 0·16 | ... | 1·62 | 0·58 | ... | ... | ... |
| | | *Baliapal* ... | 0·39 | 0·80 | ... | ... | ... | ... | ... | ... | 0·53 | 0·06 | ... | 0·30 | 0·90 | 0·17 | 0·35 | 2·82 | 0·09 | ... | ... | ... |
| | | *Brem* (Basudebpur). | 0·41 | 0·07 | ... | ... | ... | ... | ... | 0·17 | 0·12 | ... | 0·70 | ... | 0·28 | 0·54 | ... | 0·53 | 0·80 | 0·26 | 0·21 | ... |
| | | *Turigaria* ... | 1·00 | 0·05 | 0·25 | ... | ... | ... | ... | ... | 0·10 | 1·20 | 0·10 | 0·20 | 0·78 | 1·32 | 0·10 | 1·40 | 0·20 | 0·10 | ... | ... |
| | | *Banuth* ... | 1·03 | ... | 0·18 | 0·18 | ... | ... | ... | ... | ... | ... | 1·05 | ... | ... | 0·57 | 0·80 | ... | 0·50 | 0·10 | 0·10 | ... |
| | Angul ... | Angul ... | 0·05 | ... | 0·03 | 0·03 | 0·04 | 0·50 | 0·23 | ... | 0·22 | 0·64 | 0·75 | 1·77 | 0·78 | 1·82 | ... | 0·34 | 0·27 | ... | 0·04 | ... |
| | | Bissipara ... | 0·10 | 0·03 | 0·02 | 0·18 | 0·03 | 0·18 | ... | ... | 0·02 | 0·15 | 0·20 | 1·68 | 0·15 | 0·65 | 0·25 | 0·16 | 0·78 | ... | ... | 0·16 |
| | | *Chhendipada* | ... | ... | ... | ... | ... | ... | ... | 0·37 | 0·28 | 0·42 | 1·15 | 0·80 | 0·30 | 1·00 | 0·27 | ... | ... | ... | ... | ... |
| | | *Tikerpara* ... | 0·02 | 0·12 | 0·06 | 0·28 | ... | 0·25 | 0·07 | 0·28 | 0·39 | 1·69 | 0·33 | 0·16 | 0·68 | 0·12 | 1·03 | 0·44 | 0·88 | ... | 0·15 | 0·02 |
| | | *Balandapara* | 0·07 | 0·35 | 0·07 | 1·14 | 0·08 | 0·20 | 0·04 | ... | ... | 1·08 | 1·06 | 2·25 | 0·10 | 0·95 | 0·73 | 0·67 | 2·75 | 0·02 | 0·05 | 0·34 |
| | Orissa Tributary Mahals. | Baramba ... | ... | ... | ... | 0·42 | 0·30 | 0·06 | ... | ... | ... | 0·63 | 0·37 | 0·65 | 0·26 | 0·22 | 0·26 | 0·35 | 0·60 | ... | 0·19 | 0·08 |
| | | Kunjabongarh | 0·21 | 0·06 | 0·02 | 0·36 | 1·45 | 0·08 | 0·18 | 0·07 | 0·42 | 0·78 | 0·28 | ... | 1·07 | 0·13 | 0·12 | 0·22 | 1·20 | 0·05 | 0·32 | 0·13 |
| | | Dhenkanal ... | 0·07 | ... | 1·27 | 0·23 | 0·25 | 0·40 | ... | ... | 1·03 | 0·94 | 1·19 | 0·35 | 0·70 | ... | 0·27 | 0·53 | 0·16 | 0·03 | ... | ... |
| | | *Baisinga* ... | 1·62 | ... | 0·66 | 0·53 | ... | ... | ... | ... | 0·03 | 0·44 | 1·44 | 0·41 | 1·75 | 1·61 | ... | 0·67 | 1·45 | 0·06 | ... | ... |
| | | Keonjhar ... | 0·33 | 0·03 | 0·85 | 0·20 | ... | ... | ... | 0·70 | 0·35 | 0·50 | 0·67 | 0·64 | 0·55 | 0·11 | 4·57 | 1·07 | ... | 0·04 | 0·02 | ... |
| | | Anandapur ... | 1·05 | 0·03 | 0·24 | 0·12 | ... | ... | ... | ... | ... | 0·04 | 0·19 | 1·65 | 0·46 | 1·02 | 0·05 | 1·15 | 0·09 | ... | ... | ... |
| | | Baripada ... | 0·12 | 1·58 | 0·04 | 0·05 | ... | ... | ... | ... | 0·14 | 2·04 | 0·12 | 0·18 | 0·27 | 0·69 | 0·38 | 0·74 | 2·15 | 0·06 | ... | ... |
| | | *Karanjia* ... | 0·60 | 0·35 | 0·70 | 0·10 | ... | ... | ... | ... | 0·50 | 0·50 | 0·20 | 0·45 | 0·30 | 0·40 | 1·30 | 0·40 | 1·75 | ... | ... | 0·65 |
| | | Narsingpur ... | 0·85 | 0·02 | 0·04 | 0·16 | ... | 0·36 | ... | 0·20 | 0·97 | 1·19 | 0·65 | 0·90 | 0·31 | 0·05 | 0·20 | 0·78 | 0·08 | ... | 0·19 | 0·05 |
| | | Nayagarh ... | ... | 0·10 | 0·35 | 0·50 | ... | ... | 0·21 | 0·09 | 0·50 | 0·72 | 0·31 | 2·10 | 0·30 | 1·02 | 0·10 | 1·98 | ... | ... | ... | 0·28 |
| | | Pal Lahera ... | 0·96 | 0·25 | 0·50 | 1·92 | 0·75 | 0·65 | 2·00 | ... | ... | 2·30 | 0·15 | 1·20 | 1·15 | 1·50 | 0·20 | 1·60 | 1·00 | 0·25 | 0·15 | ... |
| | | Ranpur ... | ... | ... | ... | ... | ... | ... | 0·57 | ... | 0·55 | 0·30 | 1·45 | 0·30 | 4·70 | ... | 0·61 | 0·60 | 2·25 | ... | ... | ... |
| | | Talcher ... | 0·87 | ... | ... | ... | 1·05 | ... | ... | 0·50 | 0·28 | 1·25 | 0·28 | 0·36 | 0·62 | 1·64 | 0·05 | 0·60 | 0·47 | 0·02 | 0·01 | ... |
| | | *Athmalik* ... | ... | ... | ... | 0·66 | 0·38 | 0·15 | ... | ... | 0·75 | 0·40 | 0·13 | 0·20 | 0·10 | 2·11 | 0·14 | 0·45 | 0·55 | 0·03 | 0·06 | 0·01 |
| | | *Hindol* ... | ... | ... | ... | ... | ... | 0·73 | ... | 0·02 | 1·03 | 0·86 | 1·10 | 0·28 | 0·80 | 0·39 | 0·24 | 0·48 | ... | ... | ... | ... |
| | | *Boad* ... | 0·10 | 0·05 | ... | 0·20 | ... | ... | ... | 2·16 | 0·06 | 0·08 | 0·80 | 0·02 | 1·02 | 0·05 | 0·57 | 0·25 | 0·16 | ... | 0·10 | 0·50 |
| | | *Nilgiri* ... | 0·02 | 0·45 | ... | ... | ... | ... | ... | ... | 0·66 | 0·45 | ... | 0·51 | 0·33 | 0·14 | ... | 2·09 | 0·03 | ... | ... | ... |
| | | *Athgurh* ... | 0·11 | 0·13 | 0·42 | 1·58 | 0·24 | ... | ... | ... | 0·53 | 0·18 | 1·00 | 1·46 | 0·40 | 0·83 | 0·20 | 0·50 | 0·35 | 0·18 | 0·03 | 0·02 |

## STATIONS IN BENGAL IN JULY 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 31st July 1909. | Average rainfall from 16th May to 31st July. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·90 | ... | 1·10 | 0·13 | ... | ... | ... | ... | ... | 0·45 | 0·05 | 7 | 14·77 | 8·86 | 12·87 | 2·95 | 24·12 | 23·55 | Madhipura ... | Bhagalpur ... | Bhagalpur—*concluded.* | Bihar—*concluded.* |
| 1·34 | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | 8 | 11·33 | 10·57 | 12·89 | 4·75 | 31·37 | 20·16 | Bangaon (Syfabad). | | | |
| 0·55 | 2·54 | 2·65 | ... | ... | 0·12 | 0·09 | ... | ... | ... | 0·.2 | 11 | 14·38 | 7·60 | 12·50 | 2·65 | 26·51 | 23·29 | Supaul | | | |
| 0·15 | 2·45 | ... | ... | 0·65 | ... | ... | ... | 0·50 | 0·10 | ... | 11 | 15·25 | 6·79 | 15·09 | 2·45 | 22·89 | 29·15 | Pratapganj. | | | |
| 0·95 | 0·75 | 0·75 | 0·05 | 0·74 | 0·35 | ... | ... | ... | 0·35 | 0·08 | 10 | 15·39 | 5·86 | 11·21 | 0·95 | 30·14 | 22·21 | Bhagalpur. | | | |
| 2·62 | 0·05 | 2·50 | ... | 0·30 | ... | 0·10 | ... | ... | 0·85 | ... | 12 | 16·43 | 9·65 | 12·14 | 2·62 | 21·18 | 21·83 | Banka. | | | |
| 1·25 | ... | ... | ... | ... | ... | ... | ... | 0·45 | 0·53 | ... | 8 | 15·75 | 7·44 | 12·49 | 1·61 | 24·12 | 23·68 | Colgong. | | | |
| 2·55 | 0·15 | 0·95 | ... | 0·18 | 0·04 | 0·04 | ... | ... | 1·67 | ... | 12 | 14·17 | 8·88 | 11·66 | 2·55 | 23·93 | 21·05 | Bansil. | | | |
| 3·90 | 1·45 | 0·78 | ... | ... | ... | ... | 1·45 | 0·44 | 0·40 | ... | 21 | 22·72 | 24·89 | 32·38 | 3·90 | 32·61 | 60·30 | Siliguri .. | Darjeeling ... | | |
| 6·5. | 4·98 | 3·73 | 0·59 | 0·12 | 0·32 | ... | 0·11 | 0·16 | 0·16 | 0·83 | 28 | 25·97 | 33·43 | 31·74 | 6·59 | 79·54 | 60·68 | Darjeeling. | | | |
| 2·60 | 2·17 | 0·55 | 0·25 | 1·90 | 2·20 | 0·15 | 0·04 | 0·03 | 0·10 | 1·37 | 24 | 22·94 | 25·27 | 25·18 | 2·60 | 49·57 | 45·43 | Kalimpong. | | | |
| 4·74 | 3·94 | 0·49 | 0·07 | 0·47 | 1·23 | ... | ... | ... | 0·04 | 1·14 | 24 | 23·75 | 28·09 | 32·07 | 4·74 | 72·73 | 65·55 | Mongpoo. | | | |
| 6·08 | 4·53 | 1·.8 | ... | ... | 0·55 | 0·02 | 0·25 | 0·22 | 0·13 | 0·31 | 28 | 27·33 | 37·67 | 45·23 | 6·08 | 83·64 | 85·53 | Kurseong. | | | |
| 2·14 | 1·83 | 1·13 | 0·56 | 0·61 | 0·2. | 0·20 | 0·14 | 0·82 | 0·35 | 0·15 | 29 | 25·75 | 22·50 | 25·90 | 2·70 | 32·32 | 47·56 | Pedong. | | | |
| 0·65 | 2·89 | ... | ... | 0·06 | ... | ... | ... | 1·29 | ... | ... | 9 | 18·30 | 8·45 | 19·17 | 2·89 | 41·51 | 38·53 | Kishanganj ... | Purnea ... | | |
| 1·37 | 1·46 | ... | 0·12 | 0·44 | 0·20 | 0·10 | 0·22 | 0·06 | 1·80 | 0·03 | 17 | 16·87 | 12·30 | 17·49 | 1·80 | 33·93 | 34·56 | Araria. | | | |
| 0·09 | 1·36 | 0·53 | 0·11 | ... | 0·29 | 0·02 | ... | 0·03 | 0·30 | ... | 14 | 17·13 | 7·92 | 13·00 | 1·96 | 40·50 | 28·27 | Purnea. | | | |
| 0·4. | 2·80 | ... | ... | 0·30 | 0·09 | ... | ... | 2·10 | ... | ... | 7 | 16·79 | 10·44 | 14·53 | 4·08 | 35·40 | 27·30 | Gondwara (*Korah*). | | | |
| 1·30 | ... | 0·26 | ... | 0·46 | 0·06 | ... | 0·16 | 0·02 | ... | ... | 9 | 16·50 | 5·25 | 17·12 | 2·40 | 32·31 | 31·25 | Barsoe. | | | |
| 0·64 | 4·37 | 0·07 | ... | 0·31 | 0·43 | 0·08 | 0·35 | 0·18 | 0·84 | 0·30 | 18 | 17·89 | 12·77 | 18·12 | 4·37 | 38·45 | 33·35 | Forbesganj. | | | |
| 2·32 | 5·28 | 3·00 | ... | ... | ... | ... | ... | ... | ... | ... | 8 | 18·29 | 17·07 | 25·58 | 5·28 | | 46·40 | Kaliaganj. | | | |
| 1·60 | ... | 0·0. | ... | 1·00 | ... | 0·45 | ... | ... | 0·27 | ... | 10 | 15·40 | 6·17 | 12·41 | 1·00 | 21·00 | 24·68 | Rajmahal .. | Sonthal Parganas. | | |
| 1·33 | 0·13 | 1·13 | 0·05 | ... | 0·16 | 0·21 | ... | 0·39 | 2·87 | 0·02 | 12 | 10·64 | 9·90 | 11·80 | 2·87 | 25·37 | 21·96 | Godda. | | | |
| 0·58 | 0·04 | 0·81 | ... | 0·21 | 0·05 | 0·15 | ... | ... | 1·05 | 0·53 | 17 | 17·00 | 10·75 | 13·27 | 3·10 | 27·13 | 27·05 | Pakaur. | | | |
| 0·94 | 0·24 | 0·31 | 0·14 | 1·06 | 0·13 | 0·31 | ... | ... | 1·04 | 0·14 | 18 | 18·72 | 7·02 | 14·14 | 1·06 | 21·31 | 26·26 | Naya Dumka. | | | |
| 1·16 | 0·41 | 1·08 | 0·09 | ... | 0·42 | 0·41 | ... | ... | 0·57 | 0·02 | 15 | 17·87 | 11·21 | 14·00 | 2·68 | 23·32 | 24·10 | Deoghur. | | | |
| 0·95 | 2·10 | 0·06 | 0·61 | 0·25 | 0·14 | 0·43 | ... | ... | 0·18 | 0·19 | 15 | 17·63 | 7·31 | 13·80 | 2·10 | 21·04 | 25·23 | Jamtara | | | |
| 1·15 | ... | 1·35 | 0·50 | ... | 0·35 | ... | ... | ... | ... | 0·05 | 12 | ? | 6·44 | ? | 1·35 | 28·85 | ? | *Mohegame.* | | | |
| 0·97 | ... | 1·63 | ... | ... | 1·40 | 0·27 | 0·57 | ... | 0·02 | ... | 12 | 15·33 | 8·98 | 12·38 | 1·63 | 24·60 | 26·84 | Nanihat. | | | |
| ... | 0·95 | 0·35 | 0·40 | 0·6. | ... | ... | ... | 0·25 | 0·[illegible] | 0·50 | 15 | 16·00 | 8·95 | 13·14 | 2·30 | ? | 23·39 | Assenboni. | | | |
| 1·71 | 0·35 | 0·76 | 0·10 | 0·14 | 0·50 | 0·26 | ... | ... | 0·8[illegible] | 0·22 | 20 | 16·43 | 11·33 | 16·00 | 1·71 | 29·25 | 29·13 | Katikund. | | | |
| 0·64 | 0·50 | 0·30 | ... | 0·30 | ... | ... | ... | ... | 0·28 | ... | 17 | 16·14 | 8·32 | 12·87 | 0·80 | 23·39 | 24·58 | Madhupur. | | | |
| 2·30 | 0·64 | 0·34 | 0·70 | ... | 0·37 | 0·02 | ... | ... | 0·24 | 0·03 | 16 | 12·57 | 12·40 | 12·61 | 2·80 | 27·13 | 24·50 | Sarwan. | | | |
| 2·17 | 0·65 | 0·70 | ... | ... | 0·19 | ... | ... | ... | 0·50 | 0·[illegible] | 13 | 15·71 | 9·63 | 12·65 | 2·17 | | 23·00 | Sarath. | | | |
| ... | 0·64 | 0·35 | 0·24 | ... | ... | ... | ... | ... | ... | 0·05 | 14 | 15·67 | 9·25 | 9·81 | 4·00 | 26·50 | 20·76 | Pooriya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·50 | 0·30 | 6 | 11·00 | 10·15 | 9·27 | 3·50 | 27·82 | 19·55 | Bhagya. | | | |
| 0·82 | ... | 0·32 | ... | 0·79 | 0·11 | 0·05 | ... | ... | 2·40 | 0·37 | 13 | 14·00 | 8·99 | 13·31 | 2·40 | 32·03 | 24·13 | Mohespur. | | | |
| 0·35 | 0·90 | ... | 0·81 | 0·10 | 0·05 | ... | ... | 1·95 | 0·32 | 0·05 | 16 | ? | 14·66 | ? | 3·20 | 34·90 | ? | *Hiranpur.* | | | |
| 1·69 | 0·13 | 0·45 | ... | 0·38 | ... | ... | ... | ... | 1·30 | 0·09 | 13 | 15·86 | 10·51 | 12·58 | 4·33 | 26·05 | 24·19 | Barharwa. | | | |
| 1·50 | 0·18 | 0·28 | ... | ... | ... | ... | ... | ... | 2·19 | 0·24 | 12 | 14·86 | 10·63 | 12·50 | 2·19 | 31·07 | 25·17 | Sahibganj. | | | |
| 0·69 | 0·02 | 1·30 | ... | 0·65 | 0·93 | 0·04 | ... | ... | 2·31 | 0·09 | 13 | ? | 12·02 | ? | 3·4. | 34·27 | ? | *Bario.* | | | |
| ... | 0·03 | 0·98 | ... | 0·58 | 0·15 | 0·30 | ... | ... | 0·90 | ... | 17 | ? | 12·91 | ? | 3·15 | 50·07 | ? | Amrapura. | | | |
| 0·14 | 0·46 | 0·79 | 0·70 | 4·27 | 0·33 | 1·48 | 0·10 | 0·07 | 1·32 | 0·06 | 24 | 19·50 | 21·24 | 19·87 | 4·27 | 38·24 | 32·65 | Sambalpur ... | Sambalpur ... | Orissa. | Orissa. |
| 0·13 | 0·48 | 1·20 | 1·39 | 1·34 | 0·30 | 1·63 | ... | 1·67 | 1·79 | 2·32 | 21 | [illegible] | [illegible]·53 | 16·87 | 1·39 | 35·6[illegible] | 26·24 | Bargarh. | | | |
| 0·37 | 0·30 | 0·28 | 0·35 | 2·47 | 0·58 | ... | 0·50 | 0·31 | 0·50 | 0·77 | 20 | ? | 14·[illegible] | ? | 2·47 | 25·40 | ? | *Padampur (Baraoamber)* | | | |
| 0·50 | 0·42 | 1·61 | 1·84 | 3·94 | 0·28 | 0·84 | 0·54 | 0·94 | 0·66 | 0·65 | 25 | ? | 30·15 | ? | 4·45 | 44·83 | ? | Bhawanipatna | Uria Feudatory States. | | |
| ... | 0·58 | 0·20 | 1·25 | 0·70 | ... | ... | ... | 0·19 | 1·40 | 2·54 | 15 | ? | 10·82 | ? | 2·54 | 30·50 | ? | Bolangir. | | | |
| 0·68 | .. | 0·33 | 2·79 | 0·65 | 0·33 | 0·25 | 0·45 | 0·33 | 2·33 | 2·40 | 19 | ? | 16·28 | ? | 2·79 | 28·10 | ? | Sonepur. | | | |
| 0·13 | 0·23 | 0·50 | 0·38 | 0·47 | 1·17 | 0·22 | 0·28 | 0·91 | 2·00 | 0·41 | 24 | ? | 14·01 | ? | 2·00 | 27·34 | ? | Rampur. | | | |
| ... | 0·21 | 0·97 | 0·74 | 2·32 | ... | 0·51 | 0·53 | 1·30 | 0·74 | 0·60 | 23 | ? | 23·05 | ? | 3·40 | ? | ? | Deoghur. | | | |
| 0·13 | 0·63 | 0·11 | 1·13 | 2·14 | 1·19 | 0·13 | 0·04 | 0·72 | 1·05 | 0·02 | 24 | 18·78 | 18·95 | 17·53 | 3·6[illegible] | 38·05 | 28·32 | Gangpur. | | | |
| 0·11 | 1·60 | 0·63 | 0·60 | 1·50 | 0·77 | 0·36 | 0·07 | 1·20 | 1·23 | 1·07 | 23 | ? | 18·05 | ? | 2·2[illegible] | 37·47 | ? | Bonaigurh. | | | |
| 1·00 | 0·10 | ... | 0·51 | 0·63 | 0·43 | ... | ... | 1·15 | 0·18 | 1·63 | 21 | 13·93 | 22·76 | 12·01 | 7·20 | 33·19 | 22·00 | Jagatsingpur | Cuttack ... | | |
| 0·10 | 0·03 | 0·13 | 0·18 | 1·15 | ... | 0·04 | ... | 0·37 | 0·23 | 0·27 | 17 | 15·28 | 11·37 | 10·83 | 2·33 | 21·37 | 22·35 | Banki. | | | |
| 0·07 | 0·27 | 0·04 | 0·90 | 0·98 | 0·02 | 0·16 | 0·14 | 3·65 | 1·34 | 0·46 | 19 | 16·13 | 18·55 | 12·06 | 3·65 | 29·17 | 25·79 | Cuttack. | | | |
| 0·65 | 1·62 | ... | 0·71 | 0·41 | 1·26 | ... | ... | 0·30 | 0·05 | 2·36 | 15 | 14·90 | 15·03 | 13·71 | 3·43 | 29·88 | 26·12 | False Point. | | | |
| 0·42 | 0·38 | ... | 1·08 | 0·21 | 0·50 | ... | ... | 0·21 | 0·13 | 2·04 | 21 | 14·03 | 16·89 | 11·85 | 3·61 | 31·85 | 24·34 | Kendrapara | | | |
| ... | ... | ... | 0·19 | 0·90 | 0·01 | ... | 0·22 | 1·49 | 0·08 | 1·23 | 16 | 14·50 | 17·92 | 12·73 | 7·97 | 31·30 | 26·10 | Jajpur. | | | |
| ... | 0·10 | 0·36 | 0·34 | 0·02 | ... | 0·12 | 0·20 | 0·34 | 1·55 | 1·71 | 19 | 15·13 | 15·86 | 11·69 | 2·80 | 29·17 | 25·84 | Dharmsala. | | | |
| 0·60 | 0·60 | ... | 0·72 | 0·64 | 0·06 | ... | ... | 3·00 | 0·14 | 1·35 | 18 | 14·40 | 21·81 | 10·21 | 6·50 | 36·36 | 23·95 | Salepur. | | | |
| ... | ... | ... | 0·26 | 2·05 | 0·38 | ... | 1·43 | 0·60 | 0·52 | 1·15 | 18 | 13·63 | 19·68 | 10·88 | 5·76 | 36·71 | 23·71 | Akhyapada ... | Balasore ... | | |
| 2·65 | 0·22 | 0·09 | 4·32 | 0·62 | 0·12 | 0·03 | 1·93 | 0·34 | 0·20 | 2·15 | 22 | 18·50 | 24·57 | 12·24 | 4·32 | 39·09 | 23·63 | Chandbali. | | | |
| 0·12 | 0·02 | ... | 0·81 | 1·40 | 1·12 | ... | 0·06 | 0·28 | ... | 0·92 | 15 | 13·84 | 11·25 | 12·21 | 1·71 | 2[illegible] | 25·36 | Bhadrak. | | | |
| ... | ... | ... | 1·50 | 0·77 | 0·32 | ... | ... | ... | ... | 1·13 | 10 | 14·04 | 7·98 | 11·73 | 1·50 | [illegible]·94 | 23·45 | Soro. | | | |
| | | | | | | | | | | | | 14·94 | | 11·75 | | | [illegible]·31 | Balasore. | | | |
| ... | ... | 0·48 | 0·45 | 0·58 | 0·91 | 0·25 | ... | ... | 0·36 | 1·38 | 15 | 14·25 | 9·70 | 13·34 | 1·62 | 22·68 | 24·71 | Jellasore. | | | |
| ... | 0·14 | 0·14 | 0·55 | 0·43 | ... | 1·45 | ... | 0·43 | 0·05 | 0·92 | 15 | ? | 10·02 | ? | 2·82 | 2[illegible]·57 | ? | *Baliapal.* | | | |
| 1·20 | ... | ... | 1·70 | 1·47 | 0·46 | 0·11 | ... | ... | 0·19 | 1·11 | 17 | ? | 10·33 | ? | 1·70 | 21·51 | ? | *Bram* (Basudeopur). | | | |
| ... | ... | ... | 1·65 | 1·22 | 0·82 | 0·05 | 0·10 | 0·90 | 0·48 | 1·45 | 19 | ? | 13·49 | ? | 1·65 | 26·53 | ? | *Turigaria.* | | | |
| ... | ... | ... | ... | 2·25 | 0·20 | ... | 3·00 | ... | 0·15 | 0·50 | 14 | ? | 10·36 | ? | 2·25 | 21·38 | ? | *Banath.* | | | |
| 0·16 | 0·05 | 0·17 | 0·05 | 0·60 | 0·62 | 0·40 | 0·08 | ... | 0·67 | 0·16 | 17 | 15·00 | 10·57 | 11·07 | 1·82 | 31·51 | 22·52 | Angul ... | Angul ... | | |
| 0·01 | 0·31 | 0·71 | 1·03 | 0·74 | 0·67 | 0·02 | 0·08 | 0·16 | 2·33 | 0·80 | 20 | 16·60 | 11·48 | 13·27 | 2·33 | 24·05 | 24·23 | Bissipara. | | | |
| ... | 0·33 | 0·20 | 1·10 | 1·50 | 0·58 | 0·12 | ... | 2·16 | 0·34 | 0·87 | 17 | ? | 11·71 | ? | 2·16 | 24·92 | ? | *Dhenkidipada.* | | | |
| ... | 0·26 | 0·60 | 0·12 | 1·05 | 0·47 | ... | 0·15 | 0·08 | 0·51 | 0·33 | 22 | ? | 11·21 | ? | 1·69 | 21·68 | ? | *Tikerpara.* | | | |
| 0·20 | 0·26 | 0·94 | 2·80 | 3·56 | 0·10 | 0·16 | 0·38 | 0·06 | 1·60 | 0·71 | 23 | ? | 13·15 | ? | 3·56 | 38·28 | ? | *Balandapara.* | | | |
| ... | ... | 0·55 | 0·40 | 1·11 | ... | ... | ... | 0·08 | 0·90 | 0·97 | 16 | 15·50 | 9·41 | 10·74 | 1·11 | 22·76 | 22·13 | Barambe ... | Orissa Tributary Mahals. | | |
| 0·63 | 0·18 | 0·45 | 0·12 | 0·45 | 0·21 | 1·65 | 0·72 | 0·62 | 0·10 | 1·82 | 25 | 14·30 | 14·79 | 11·20 | 1·82 | 29·10 | 21·63 | Kunjabongarh. | | | |
| 0·10 | 0·13 | 0·95 | 0·99 | 0·93 | ... | ... | ... | 0·13 | 0·15 | 0·12 | 21 | 16·50 | 10·05 | 12·92 | 1·12 | 21·32 | 25·38 | Dhenkanal. | | | |
| ... | ... | 0·16 | 0·09 | 0·76 | ... | 0·50 | 0·08 | 0·12 | 0·42 | 0·75 | 16 | ? | 13·40 | ? | 1·75 | | ? | *Baisinga.* | | | |
| 0·07 | 0·59 | 0·81 | 2·45 | 0·84 | 0·03 | 2·37 | 0·60 | 0·51 | 0·60 | 5·12 | 21 | 13·74 | 24·52 | 10·46 | 5·12 | 42·85 | 18·45 | Keonjhar. | | | |
| 0·06 | 0·08 | ... | 0·05 | 1·84 | 0·88 | 1·45 | 1·45 | ... | 0·28 | 0·68 | 14 | 14·38 | 12·83 | 12·29 | 1·84 | 23·37 | 24·81 | Anandapur. | | | |
| 0·04 | 0·23 | 0·19 | 1·00 | 0·50 | 2·60 | ... | ... | ... | 0·30 | 1·08 | 17 | 17·50 | 14·09 | 12·99 | 2·60 | 25·36 | 26·42 | Baripada. | | | |
| 0·10 | 0·65 | 0·15 | 2·20 | 0·44 | 0·80 | 0·05 | 0·45 | 0·65 | 0·40 | 0·41 | 23 | ? | 15·90 | ? | 2·20 | 23·55 | ? | *Karanjia.* | | | |
| ... | 0·69 | 0·08 | 1·94 | 0·34 | 1·17 | 0·20 | 0·01 | 1·04 | 1·64 | 0·11 | 20 | 14·50 | 12·56 | 9·63 | 1·94 | 22·30 | 19·91 | Narsingpur. | | | |
| 0·40 | 1·30 | 1·16 | 0·50 | ... | ... | ... | 0·38 | 1·77 | 0·28 | 0·05 | 20 | 14·00 | 13·33 | 14·44 | 2·10 | 26·05 | 25·27 | Nayagarh. | | | |
| 0·05 | 0·15 | 0·35 | 1·10 | 1·10 | 1·00 | ... | 0·20 | ... | 3·00 | 1·20 | 24 | 18·44 | 21·05 | 23·36 | 3·00 | 46·08 | 35·28 | Pal Lahera. | | | |
| 0·30 | 0·42 | 0·45 | 0·20 | 0·61 | ... | 1·22 | 0·63 | ... | 0·80 | 0·05 | 17 | 15·13 | 16·01 | 11·25 | 4·70 | 30·86 | 22·19 | Rampur. | | | |
| 0·08 | ... | 0·46 | 0·05 | 0·76 | 0·36 | 0·14 | 0·06 | ... | 2·03 | 2·07 | 17 | 15·70 | 14·16 | 13·42 | 2·07 | 29·32 | 24·63 | Talcher. | | | |
| 0·53 | ... | 0·87 | 0·70 | 0·68 | 2·31 | 0·13 | 2·11 | 0·80 | 1·04 | 0·40 | 22 | ? | 15·77 | ? | 2·31 | | ? | *Athmalik.* | | | |
| ... | 0·62 | ... | 0·54 | 0·06 | ... | 0·22 | 0·02 | 3·26 | 0·76 | 0·19 | 15 | ? | 11·77 | ? | 3·26 | 24·32 | ? | *Hindol.* | | | |
| ... | 0·57 | 0·56 | 0·46 | 0·95 | ... | 1·10 | 0·12 | 2·72 | 0·54 | 1·33 | 19 | ? | 14·73 | ? | 2·72 | 19·25 | ? | *Boad.* | | | |
| 0·03 | ... | ... | 0·55 | 2·22 | 1·41 | ... | ... | 0·16 | ... | 1·67 | 12 | ? | 9·42 | ? | 2·22 | 23·93 | ? | *Nilgiri.* | | | |
| ... | 0·14 | 0·32 | 0·73 | 2·00 | 0·02 | ... | 0·16 | 0·50 | 0·12 | 0·10 | 23 | ? | 12·17 | ? | 2·00 | 22·18 | ? | *Athgurh.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa—concld. | Puri | Puri | 0·07 | .. | 0·25 | 3·23 | 0·04 | .. | ... | 0·01 | 0·42 | 0·10 | 0·73 | 0·65 | 5·77 | 0·20 | 0·13 | 3·02 | ... | ... | ... | 0·46 |
| | | Khurda | ... | ... | 0·08 | 0·38 | 0·02 | ... | ... | 0·27 | .. | 0·17 | 2·50 | 0·83 | 2·85 | 0·10 | 0·18 | 0·43 | 0·80 | ... | ... | ... |
| | | Bhanpur | ... | ... | 0·08 | 1·04 | ... | ... | 0·35 | ... | 1·10 | 0·02 | 0·94 | 0·34 | 1·04 | 0·38 | 0·05 | 0·30 | 1·31 | ... | ... | 0·04 |
| | | Gop | ... | ... | 0·37 | 1·35 | 0·70 | ... | ... | 1·04 | ... | ... | 1·70 | 0·35 | 4·85 | ... | ... | 0·04 | 1·90 | ... | ... | ... |
| | | Satpara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Sunakhalla | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | *Kanas* | ... | ... | ... | 0·40 | 0·10 | 0·05 | 0·65 | ... | 0·00 | 0·74 | ... | 0·12 | 2·50 | 0·10 | 0·13 | 0·20 | 3·50 | ... | ... | ... |
| | | Tanghi | ... | ... | 0·14 | 0·90 | ... | 0·53 | 0·10 | 0·44 | ... | 0·11 | 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jenkia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | 0·18 | 0·06 | 0·23 | 0·46 | 0·05 | 0·07 | 0·23 |
| Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | 1·00 | 0·15 | ... | 0·18 | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | 0·06 | 1·07 | 0·26 | 0·19 | 0·24 | 0·05 |
| | | Hazaribagh | 0·03 | ... | 0·07 | 1·23 | 0·03 | ... | ... | .. | ... | ... | ... | ... | .. | 0·16 | 0·04 | 2·70 | 0·25 | 0·06 | 0·15 | 0·07 |
| | | Barhi | 0·37 | ... | 0·53 | 1·82 | 0·06 | ... | ... | .. | ... | ... | 0·07 | ... | .. | 0·23 | 0·10 | 0·29 | 0·06 | 0·20 | ... | 0·27 |
| | | Chatra | 0·06 | ... | 0·09 | 0·44 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | 0·47 | 0·85 | 0·21 | 0·40 | 0·32 | 1·20 |
| | | Kharagdiha | 0·22 | 0·19 | 0·08 | 0·16 | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | 1·25 | 1·75 | 0·88 | 0·09 | ... | ... |
| | | Ramgar | ... | 0·50 | 1·47 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | 0·40 | 1·05 | 0·31 | ... | 1·11 | 0·93 |
| | | *Kederma* | 0·28 | ... | 0·30 | 0·21 | 0·19 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·12 | 0·55 | 0·48 | 0·14 | ... |
| | | *Bagador* | 0·62 | ... | ... | 0·17 | 0·12 | ... | .. | ... | ... | ... | ... | 0·09 | 0·33 | ... | ... | ... | ... | ... | ... | ... |
| | Ranchi | Lohardaga | 0·25 | ... | 0·95 | ... | ... | ... | .. | ... | ... | ... | ... | 0·03 | 0·05 | 0·02 | 0·19 | 2·19 | 1·30 | 1·39 | 0·05 | ... |
| | | Ranchi | 0·68 | 0·19 | 1·06 | 0·80 | 0·10 | 0·13 | . | ... | .. | ... | ... | ... | 0·02 | 0·10 | 0·45 | 0·49 | 0·41 | 0·10 | ... | ... |
| | | Silli | ... | ... | 1·13 | 0·48 | ... | ... | ... | ... | ... | 0·16 | ... | ... | 0·50 | 0·50 | 1·34 | 0·74 | 0·12 | ... | 0·30 | 0·02 |
| | | Palkot | ... | 1·00 | 1·00 | 0·78 | 0·40 | ... | ... | ... | ... | ... | ... | ... | 0·20 | 4·45 | 5·50 | 2·20 | 0·19 | ... | ... | 0·65 |
| | | *Bano* | 0·27 | 0·00 | 1·45 | 1·14 | ... | ... | 0·09 | 0·54 | ... | 0·34 | 0·45 | ... | ... | 0·07 | 3·81 | 0·09 | 0·51 | ... | ... | ... |
| | | Tamar | ... | ... | 0·26 | 1·11 | ... | ... | ... | ... | 0·77 | 0·98 | 0·55 | 0·11 | ... | 0·24 | 2·62 | 3·23 | 0·14 | 0·22 | 0·16 | 0·34 |
| | | *Kurdeg* | 2·22 | 3·76 | 0·44 | 0·32 | 0·46 | .. | ... | ... | ... | 0·52 | 0·33 | 0·46 | 0·55 | 0·24 | 0·57 | 4·16 | 0·22 | 0·03 | ... | 0·02 |
| | | *Gumla* | 0·09 | 0·31 | 0·70 | 0·25 | 0·32 | 0·04 | .. | ... | ... | ... | ... | 0·16 | 0·10 | 0·26 | 1·30 | 3·80 | 0·35 | 0·05 | ... | ... |
| | | Chainpur | 0·25 | ... | 0·15 | 0·36 | 0·70 | ... | 1·08 | ... | ... | ... | ... | ... | ... | 0·30 | 0·35 | 2·45 | 0·80 | ... | ... | 0·04 |
| | | Khunti | 0·37 | 0·03 | 1·61 | 1·76 | 0·18 | 0·05 | . | ... | 0·04 | 0·16 | 0·07 | 0·30 | 0·11 | 0·30 | 0·35 | 2·45 | 0·80 | ... | ... | ... |
| | Palamau | Palamau (*Daltonganj*). | 0·41 | 0·06 | 0·05 | 2·25 | ... | ... | ... | ... | ... | ... | ... | 0·18 | ... | ... | ... | 1·55 | 0·70 | 0·09 | 0·21 | 0·22 |
| | | Balumath | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | 1·35 | 0·04 | 0·40 | 0·52 | 0·50 | 1·80 | 0·08 | .. | ... |
| | | Husainabad | 1·63 | 0·33 | ... | 0·31 | 0·38 | 0·45 | ... | ... | 0·40 | 0·50 | 0·20 | 0·30 | ... | ... | 2·20 | 4·75 | 0·75 | 0·20 | 0·30 | ... |
| | | Garhwa | 1·20 | 0·38 | 0·50 | 1·10 | ... | ... | 0·63 | ... | ... | ... | ... | 0·10 | 0·35 | 0·65 | 0·10 | 0·30 | ... | 0·10 | 0·20 | 0·20 |
| | | *Mahuadanr* | ... | ... | ... | ... | ... | ... | ... | ... | 0·95 | ... | ... | 0·35 | 0·23 | ... | ... | 0·55 | 0·30 | ... | ... | 0·10 |
| | | *Panki* | 1·31 | 0·12 | 0·30 | 1·65 | ... | ... | 0·20 | .. | ... | ... | ... | 1·50 | 0·40 | 0·50 | ... | 1·25 | 1·07 | ... | ... | ... |
| | | *Latehar* | 0·80 | 0·27 | ... | 1·10 | 0·10 | 1·05 | .. | 0·60 | ... | ... | ... | 0·40 | 0·30 | 0·80 | 0·35 | 1·75 | 0·50 | ... | ... | ... |
| | | *Nagerutari* | 2·40 | 0·40 | ... | ... | 0·25 | 0·20 | 0·09 | ... | ... | ... | 2·00 | 0·10 | ... | 0·80 | 1·00 | 0·30 | 0·20 | ... | ... | 0·50 |
| | | *Ranka* | 0·50 | ... | ... | 0·15 | 0·40 | 1·00 | 1·20 | ... | 0·20 | ... | ... | 0·60 | ... | ... | ... | ... | 0·90 | ... | ... | 0·60 |
| | | *Chattarpur* | 2·10 | 0·20 | ... | 0·40 | 1·40 | ... | ... | ... | ... | ... | ... | 0·10 | ... | 0·10 | 0·20 | ... | 0·35 | ... | ... | .. |
| | | *Bhaonathpur* | ... | 0·63 | ... | ... | ... | ... | ... | ... | 0·45 | 0·87 | 1·65 | 0·31 | ... | 2·00 | 0·57 | 0·50 | 0·72 | 0·72 | ... | 0·10 |
| | | *Patan* | 0·28 | ... | ... | 0·32 | 0·52 | 0·24 | 0·[illegible] | ... | 0·47 | 0·46 | 0·20 | 0·19 | 0·15 | 0·10 | 0·90 | 1·00 | 0·08 | 0·15 | 0·25 | 1·47 |
| | | *Monatu* | 1·00 | ... | 0·45 | ... | 0·10 | 0·20 | 0·[illegible] | ... | 0·70 | 0·50 | 0·40 | 0·05 | 0·10 | 0·15 | ... | 3·00 | 0·07 | ... | ... | .. |
| | | *Lesliganj* | .. | 0·50 | 0·40 | 0·60 | 0·50 | 0·40 | 0·60 | 0·30 | ... | ... | ... | ... | ... | ... | 1·33 | 1·72 | ... | ... | ... | 1·30 |
| | | *Kerh* | 1·20 | 0·26 | ... | 0·21 | 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | *Garu* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Chandwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Hariharganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Bhandaria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Birampur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Manbhum | Purulia | 0·32 | 0·02 | 0·80 | 0·32 | 0·16 | 0·04 | .. | ... | ... | 0·05 | ... | ... | ... | ... | 0·17 | 0·63 | 0·35 | 0·04 | ... | ... |
| | | Gobindpur | 1·24 | ... | 0·21 | 0·78 | ... | ... | .. | .. | ... | ... | ... | ... | ... | 0·10 | ... | 0·24 | 0·27 | ... | 0·22 | 0·05 |
| | | Raghunathpur | 0·46 | 0·25 | 0·29 | 0·75 | 0·25 | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·21 | 0·23 | 0·25 | ... |
| | | Barahabhum | ... | ... | 0·10 | 1·80 | ... | 0·16 | ... | .. | 0·25 | 0·12 | ... | ... | 0·03 | 0·05 | 0·06 | 1·15 | 0·24 | ... | ... | ... |
| | | Jhalda | 0·63 | ... | 0·08 | 1·39 | 0·03 | 0·66 | 0·41 | ... | ... | 0·14 | 0·23 | ... | 0·05 | 0·18 | 0·30 | 0·80 | 0·61 | 0·05 | ... | ... |
| | | Dhas | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·72 | 0·09 | ... | 0·30 | ... | 1·50 |
| | | Pandra | 0·02 | .. | 0·00 | 0·48 | 0·15 | ... | ... | ... | ... | ... | ... | 0·18 | ... | 0·18 | ... | 0·74 | 0·27 | 0·07 | 0·02 | ... |
| | | *Manbazar* | 0·05 | 0·18 | 1·54 | 1·16 | ... | ... | ... | 0·44 | . | ... | ... | ... | ... | ... | ... | 1·15 | 0·40 | 0·50 | ... | ... |
| | | Kollapal | ... | 0·06 | ... | 1·80 | ... | ... | 0·23 | ... | ... | 0·23 | ... | 0·75 | ... | 1·00 | 0·88 | 0·81 | 0·24 | 0·10 | ... | ... |
| | | Dhanbaid | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Singhbhum | Chaibassa | 0·21 | 0·72 | 0·59 | 0·53 | 0·14 | ... | ... | ... | ... | 1·17 | ... | ... | ... | 0·45 | 1·98 | 0·14 | 0·24 | ... | ... | ... |
| | | Chakradharpur | 0·22 | 0·70 | 0·53 | 0·08 | 0·10 | ... | ... | 0·11 | 0·09 | 0·05 | 0·01 | 0·02 | 0·07 | 0·21 | 1·09 | 0·40 | 0·20 | ... | ... | 0·01 |
| | | Ghatsila | ... | 0·20 | ... | 0·22 | ... | ... | .. | . | 0·11 | 0·02 | ... | ... | ... | 0·40 | 1·28 | 0·21 | 0·58 | 0·30 | ... | ... |
| | | Baharagura | ... | 0·62 | 0·12 | 0·08 | ... | ... | ... | ... | 0·32 | 0·40 | 0·39 | ... | ... | 0·46 | ... | 0·20 | 1·26 | 0·26 | ... | ... |
| | | Gailkura | 0·98 | 0·32 | 1·84 | 0·27 | 1·33 | 0·05 | ... | ... | ... | 0·08 | ... | 0·10 | ... | 0·39 | 0·25 | 2·55 | 0·42 | 0·18 | ... | ... |
| | | Kalikapur | 0·14 | 0·03 | ... | 0·09 | ... | ... | ... | ... | ... | 0·76 | 0·10 | ... | 0·08 | 0·26 | 1·60 | 0·36 | 1·07 | ... | ... | ... |
| | | Monaharpur | 1·25 | 2·15 | 0·72 | 1·15 | ... | ... | ... | ... | ... | 0·74 | ... | 0·39 | ... | 1·26 | 0·09 | 1·46 | 2·10 | 0·12 | 0·09 | ... |
| | | *Katbari* | 0·33 | 0·04 | 0·50 | 1·59 | ... | ... | . | . | 0·26 | 0·82 | ... | ... | 0·59 | 0·24 | 0·83 | ... | 0·09 | ... | ... | ... |
| | | *Seraikilla* | 0·04 | ... | ... | 1·70 | 0·34 | 0·94 | ... | ... | 0·07 | 0·88 | ... | ... | ... | 0·22 | 0·45 | 0·64 | 0·60 | 0·16 | ... | ... |
| | | *Kharswan* | .. | ... | 0·75 | 0·71 | 0·01 | ... | ... | ... | 0·49 | 0·10 | 0·10 | ... | ... | 0·33 | 0·61 | 0·99 | 0·40 | 0·31 | ... | ... |
| | | *Jaintigarh* | 0·72 | 0·20 | 0·15 | 3·50 | ... | ... | ... | ... | ... | 0·31 | ... | ... | ... | 4·00 | ... | 1·00 | 4·50 | 3·00 | ... | ... |
| | | *Jaganathpur* | 0·57 | 0·22 | 0·20 | 3·25 | 1·00 | 0·21 | ... | ... | 0·06 | 0·31 | 0·04 | 0·05 | 0·08 | 2·04 | 1·28 | 0·16 | 1·20 | 0·10 | ... | ... |

## STATIONS IN BENGAL IN JULY 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 31st July 1909. | Average rainfall from 16th May to 31st July. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·25 | 0·54 | ... | 0·15 | 0·61 | ... | ... | 0·05 | 0·49 | 0·22 | 0·07 | 16 | 11·74 | 17·02 | 0·67 | 5·77 | 26·97 | 19·41 | Puri | Puri ... | Orissa—concld. | Orissa—concld. |
| 0·27 | 0·34 | 0·10 | 1·80 | 0·47 | 0·10 | ... | ... | 1·20 | 0·18 | 0·15 | 20 | 16·26 | 13·02 | 12·82 | 2·85 | 23·90 | 24·28 | Khurda. | | | |
| 1·40 | 0·85 | 0·58 | 1·30 | 0·70 | ... | ... | 0·80 | 1·07 | 0·73 | ... | 17 | 12·68 | 14·38 | 10·02 | 1·40 | 28·78 | 19·26 | Bhanpur. | | | |
| 0·04 | 1·28 | ... | 0·31 | 0·55 | ... | ... | 2·00 | 0·90 | 0·39 | 0·30 | 15 | 12·80 | 15·19 | 10·98 | 4·85 | 34·03 | 21·14 | Gop. | | | |
| | | | | | | | | | | | | 8·91 | | 6·23 | | | 16·30 | Satpara | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Sunakhalla. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Kanas.* | | | |
| 1·59 | 2·65 | 0·05 | 0·80 | 0·60 | ... | ... | 0·13 | 0·75 | 1·50 | ... | 20 | ? | 17·94 | ? | 3·50 | | ? | Tanchi. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Jenkia. | | | |
| 2·23 | 0·37 | 0·47 | 0·32 | 0·04 | 0·18 | 0·12 | ... | ... | 0·76 | ... | 15 | 18·83 | 7·31 | 12·99 | 2·23 | 16·28 | 23·32 | Pachamba (*Giridih*). | Hazaribagh ... | | |
| 2·16 | 0·11 | 0·09 | 1·95 | 0·36 | 0·31 | 0·14 | ... | ... | ... | 0·32 | 13 | 18·74 | 8·93 | 13·62 | 2·16 | 15·38 | 23·69 | Hazaribagh | | | |
| 4·75 | 0·40 | 0·38 | 0·16 | 0·15 | 0·22 | 0·08 | ... | ... | 1·54 | 0·07 | 14 | 15·65 | 11·04 | 13·47 | 4·75 | 30·97 | 21·65 | Barhi. | | | |
| 3·16 | 0·28 | 1·07 | 0·44 | 0·19 | 0·04 | ... | ... | 0·58 | 1·46 | 0·04 | 13 | 17·33 | 9·13 | 16·22 | 3·16 | 19·82 | 26·13 | Chatra. | | | |
| 0·34 | 0·71 | 0·36 | 0·19 | 0·62 | ... | ... | ... | 0·06 | 0·12 | ... | 16 | 15·53 | 6·78 | 14·88 | 1·20 | 15·58 | 25·23 | Kharagdiha. | | | |
| 1·63 | 0·08 | 0·04 | 0·48 | 0·70 | 0·50 | 0·32 | 0·50 | ... | 0·30 | 0·12 | 13 | 14·44 | 10·61 | 14·78 | 1·75 | 19·31 | 24·09 | Ramgar. | | | |
| 2·02 | 0·95 | 0·23 | 0·90 | ... | 0·10 | 0·04 | ... | ... | 4·11 | ... | 16 | ? | 13·45 | ? | 4·11 | 31·10 | ? | *Koderma.* | | | |
| 1·35 | 0·52 | 3·12 | 1·50 | 0·08 | 3·02 | ... | ... | ... | 1·02 | 3·00 | 15 | ? | 17·28 | ? | 3·12 | 27·54 | ? | *Bagodar.* | | | |
| | | | | | | | | 0·49 | | ... | | 17·59 | | 12·51 | | | 22·10 | Lohardaga ... | Ranchi ... | | |
| 2·49 | 0·28 | 0·03 | 0·58 | 0·42 | 0·79 | 0·08 | 1·52 | ... | 0·55 | 0·04 | 16 | 19·10 | 14·96 | 13·20 | 2·49 | 27·33 | 23·02 | Ranchi | | | |
| 0·43 | 0·18 | 0·42 | 0·60 | 0·61 | 1·16 | 0·52 | ... | ... | 1·14 | 0·67 | 16 | 14·64 | 8·44 | 13·27 | 1·16 | 20·90 | 23·65 | Silli. | | | |
| 0·18 | 0·05 | 0·55 | 0·39 | 0·17 | 0·63 | 0·70 | 0·19 | 0·41 | 0·80 | 4·00 | 21 | 17·14 | 16·77 | 18·64 | 4·00 | 25·94 | 30·99 | Palkot. | | | |
| 0·39 | 0·10 | 1·61 | 0·54 | 0·22 | 0·57 | 0·22 | 0·18 | 0·75 | 0·14 | 3·70 | 24 | ? | 26·70 | ? | 5·50 | 45·58 | ? | *Bano.* | | | |
| 0·19 | 0·08 | 0·70 | 0·11 | 0·23 | 0·17 | 0·31 | ... | 0·81 | 0·52 | 0·78 | 17 | 16·14 | 12·85 | 13·10 | 3·81 | | 26·72 | Tamar. | | | |
| 0·18 | 0·37 | 1·15 | 0·36 | 2·24 | 1·73 | 0·67 | 2·74 | 3·21 | 2·36 | 1·72 | 27 | ? | 32·74 | ? | 3·76 | 56·15 | ? | *Kurdeg.* | | | |
| 1·24 | 0·68 | .. | 0·20 | 0·64 | 0·42 | 0·33 | 0·03 | 0·10 | 0·12 | . | 18 | ? | 11·22 | ? | 4·16 | 26·72 | ? | *Gumla.* | | | |
| 3·15 | 0·45 | ... | ... | 0·35 | 0·34 | 0·23 | 0·73 | 0·10 | ... | 0·07 | 16 | 17·43 | 13·40 | 15·55 | 3·83 | 28·31 | 23·73 | Chainpur. | | | |
| 0·08 | 0·20 | 0·21 | 0·55 | 1·08 | 0·82 | 0·15 | 1·37 | ... | 2·35 | 0·14 | 20 | ? | 15·57 | ? | 2·45 | 31·05 | ? | Khunti. | | | |
| | | | | | | | | | | | | 16·16 | | 12·51 | | | 19·44 | Palamau (*Daltonganj*). | Palamau ... | | |
| 2·25 | 0·07 | 0·21 | 0·65 | 0·27 | 0·38 | 0·25 | 0·20 | ... | 0·17 | ... | 16 | 17·33 | 11·07 | 14·00 | 2·25 | 20·91 | 23·39 | Balumath. | | Chota Nagpur. | Chota Nagpur. |
| | | | | | | | | | | | | 15·07 | | 16·48 | | | 23·64 | Husainabad. | | | |
| 0·65 | 0·95 | 2·22 | 1·18 | 0·40 | 0·08 | 0·06 | 0·05 | 1·88 | 0·[illegible] | 0·12 | 19 | 15·47 | 15·66 | 12·39 | 2·22 | 28·64 | 19·17 | Garhwa. | | | |
| ... | 2·20 | 4·75 | 0·75 | 0·15 | 0·16 | ... | ... | 1·70 | 0·35 | 0·50 | 22 | ? | 25·47 | ? | 4·75 | 37·48 | ? | *Mahuadanr.* | | | |
| 0·30 | 0·50 | 0·00 | .. | ... | ... | .. | ... | 0·50 | 1·25 | 0·75 | 14 | ? | 5·90 | ? | 1·25 | 18·40 | ? | *Panki.* | | | |
| 1·02 | 1·25 | 0·10 | 0·50 | 0·03 | ... | 0·47 | .... | 0·50 | 0·10 | ... | 17 | ? | 9·01 | ? | 1·05 | 24·54 | ? | *Latehar.* | | | |
| 0·50 | 0·70 | 2·32 | 0·88 | ... | 0·10 | 0·12 | 0·14 | 4·80 | 0·20 | ... | 20 | ? | 19·00 | ? | 4·80 | 35·38 | ? | *Nagarutari.* | | | |
| 1·00 | 1·00 | 1·50 | 0·50 | 1·00 | 0·29 | ... | 0·90 | 1·00 | 0·29 | 0·91 | 21 | ? | 17·64 | ? | 3·40 | 31·84 | ? | *Ranka.* | | | |
| 0·50 | 1·03 | 1·30 | 0·50 | | 0·35 | 0·70 | 0·20 | 0·30 | 0·85 | ... | 21 | ? | 12·05 | ? | 1·30 | 31·10 | ? | *Chattarpur.* | | | |
| 0·50 | 0·70 | 2·50 | 2·00 | 0·94 | ... | .. | .. | 2·70 | 0·20 | ... | 14 | ? | 15·74 | ? | 2·70 | 28·94 | ? | *Bhaonathpur.* | | | |
| 0·75 | 0·65 | 1·00 | 1·15 | 0·15 | ... | ... | 0·50 | 0·65 | 0·30 | 0·25 | 17 | ? | 9·75 | ? | 1·65 | 24·07 | ? | *Patan.* | | | |
| 1·84 | 0·37 | 0·89 | 1·52 | 0·22 | ... | ... | 0·23 | | 0·30 | 0·21 | 20 | ? | 12·13 | ? | 2·00 | 26·23 | ? | *Monatu.* | | | |
| 0·65 | 1·30 | 0·40 | 0·90 | ... | 0·23 | 0·40 | 1·65 | 0·35 | 1·00 | .. | 25 | ? | 14·35 | ? | 1·65 | 30·71 | ? | *Leslieganj.* | | | |
| 0·36 | 1·32 | 1·56 | 1·93 | 0·44 | 0·66 | ... | ... | ... | 0·51 | 0·73 | 21 | ? | 16·38 | ? | 3·60 | | ? | *Kerh.* | | | |
| 1·10 | 0·70 | 1·30 | 0·42 | 0·39 | 0·40 | 0·50 | 0·15 | 0·10 | 0·20 | 0·35 | 18 | ? | 12·56 | ? | 1·72 | 24·90 | ? | *Garu.* | | | |
| | | | | | | | | | | | | | | | | | | Chandwa. | | | |
| | | | | | | | | | | | | | | | | | | Hazaribagani. | | | |
| | | | | | | | | | | | | | | | | | | Bhandaria. | | | |
| | | | | | | | | | | | | | | | | | | Bisrampur. | | | |
| 0·22 | 0·48 | 0·65 | 1·95 | 0·55 | 0·96 | 0·30 | ... | ... | 0·05 | 0·50 | 15 | 17·42 | 8·89 | 12·23 | 1·98 | 18·84 | 24·39 | Purulia | Manbhum ... | | |
| 0·91 | 0·18 | 0·69 | 0·25 | 0·14 | 0·20 | 0·44 | ... | ... | 0·08 | . | 14 | 18·10 | 6·90 | 14·12 | 1·24 | 19·80 | 24·98 | Gobindpur. | | | |
| 0·03 | ... | 1·81 | 0·75 | 0·39 | 0·21 | 0·31 | 0·11 | ... | 0·07 | 0·57 | 16 | 16·33 | 7·25 | 13·25 | 1·[illegible] | 17·07 | 22·74 | Raghunathpur. | | | |
| ... | 0·96 | 0·05 | 1·58 | 0·76 | 0·46 | 0·50 | ... | ... | ... | 0·82 | 13 | 18·80 | 9·06 | 12·82 | 1·80 | 23·57 | 25·70 | Barahabhum. | | | |
| 0·60 | 0·40 | 0·61 | 0·45 | 0·86 | 1·40 | 0·39 | ... | ... | 0·15 | 0·19 | 18 | 18·80 | 10·59 | 12·50 | 1·40 | 22·78 | 24·45 | Jhalda. | | | |
| ... | 1·00 | 4·50 | 1·00 | 0·75 | 0·36 | ... | ... | ... | 0·10 | 0·40 | 11 | 15·73 | 11·69 | 12·13 | [illegible]·50 | 21·14 | 22·12 | Chas. | | | |
| 0·76 | 0·67 | 0·10 | 0·30 | 0·09 | 0·09 | 0·59 | ... | ... | 0·15 | 0·27 | 14 | 16·22 | 5·73 | 12·51 | [illegible]·76 | 18·74 | 25·04 | Pandra. | | | |
| ... | 1·00 | 0·30 | 1·60 | 1·45 | 2·00 | 0·20 | | ... | ... | | 13 | ? | 12·97 | ? | 2·00 | 24·48 | ? | *Manbazar.* | | | |
| ... | ... | ... | 0·04 | 0·66 | 0·70 | 0·17 | ... | ... | ... | 1·21 | 14 | ? | 9·48 | ? | 1·80 | 24·73 | ? | Kotlapal. | | | |
| | | | | | | | | | | | | | | | | | | Dhanbad. | | | |
| ... | 0·17 | 0·06 | 0·16 | 1·86 | 0·46 | 0·05 | ... | ... | 0·91 | 0·45 | 16 | 16·68 | 9·31 | 13·33 | 1·98 | 17·64 | 23·07 | Chaibassa | Singhbhum ... | | |
| ... | 0·28 | 0·47 | 0·02 | 0·72 | 0·10 | 0·80 | 0·38 | 0·82 | 0·52 | 0·88 | 19 | 16·14 | 10·48 | 13·86 | 1·72 | 23·91 | 24·83 | Chakradharpur | | | |
| ... | ... | 0·26 | 0·82 | 0·54 | 1·41 | ... | ... | 0·50 | 0·47 | 1·83 | 15 | 16·33 | 9·15 | 12·92 | 1·83 | 22·94 | 26·03 | Ghatsila. | | | |
| ... | ... | 0·58 | 1·90 | 1·46 | 0·48 | ... | 0·42 | 0·70 | 0·30 | 1·42 | 17 | 14·47 | 11·46 | 11·73 | 1·[illegible] | 25·00 | 24·92 | Baharagura. | | | |
| 0·23 | 0·17 | 0·56 | 1·24 | 0·54 | 1·41 | ... | . | 0·50 | 0·47 | 1·83 | 20 | 17·88 | 15·71 | 17·10 | 1·84 | | 27·66 | Gailkura. | | | |
| 0·05 | 0·07 | 0·22 | 0·43 | 0·75 | 0·89 | ... | .. | ... | 0·15 | 0·49 | 13 | 16·38 | 7·54 | 14·36 | 1·60 | 17·99 | 32·50 | Kalikapur. | | | |
| 0·18 | 0·47 | 0·28 | 0·23 | | | | | | | | 14 | 18·71 | 12·69 | 22·17 | | | 34·20 | Monaharpur. | | | |
| ... | ... | ... | 0·31 | 0·74 | 0·88 | ... | ... | ... | 0·37 | 0·55 | 14 | ? | 8·77 | ? | 1·50 | 13·76 | ? | *Katbari.* | | | |
| ... | ... | 0·07 | 0·32 | 0·89 | 0·64 | 0·12 | 0·82 | ... | 0·15 | 0·56 | 16 | ? | 9·11 | ? | 1·[illegible] | 19·19 | ? | *Seraikela.* | | | |
| ... | ... | 0·09 | 0·71 | 0·22 | 0·71 | 0·07 | 0·90 | ... | 0·58 | 0·63 | 18 | ? | 9·02 | ? | 0·90 | 20·84 | ? | *Kharswan.* | | | |
| ... | ... | 1·00 | 3·00 | ... | 1·30 | 0·50 | ... | ... | 0·50 | 1·40 | 16 | ? | 15·28 | ? | 4·00 | 25·74 | ? | *Jaintigarh.* | | | |
| ... | 0·25 | 0·16 | 0·43 | 0·40 | 0·65 | ... | 1·86 | 0·40 | ... | 0·50 | 20 | ? | 15·57 | ? | 3·25 | 26·84 | ? | *Jagannathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of July 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th May 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 8·49 | 12·25 | −3·76 | 13·20 | 15·46 | 25·20 | 25·37 | −0·17 | 36·60 | 30·63 |
| | | Birbhum ... | 7·54 | 12·49 | −4·95 | 12 50 | 16·10 | 23·89 | 26·07 | −2·18 | 31·66 | 31·67 |
| | | Bankura ... | 8·57 | 12·22 | −3·65 | 13·80 | 15 52 | 21·81 | 25·80 | −3·99 | 34·20 | 30·54 |
| | | Midnapore ... | 10·75 | 11·43 | −1·68 | 16·38 | 14·79 | 26·01 | 25·56 | +0·45 | 37·41 | 30·06 |
| | | Hooghly ... | 6·55 | 12·02 | −5·47 | 14·33 | 16·40 | 23·40 | 25·34 | −1·94 | 38 99 | 32·37 |
| | | Howrah ... | 9·34 | 11·53 | −2·19 | 17·67 | 17·03 | 30·43 | 25·33 | +5·10 | 40·67 | 38·88 |
| | Presidency ... | 24-Parganas ... | 9·87 | 12·98 | −3·11 | 17·75 | 16·64 | 31·32 | 26·87 | +4·45 | 41·12 | 33·18 |
| | | Calcutta ... | 9·94 | 12·31 | −2 37 | 23·00 | 18·96 | 35·66 | 26·30 | +9·36 | 47·00 | 35·52 |
| | | Nadia ... | 7·22 | 10·36 | −3·14 | 13·80 | 15·47 | 23·56 | 24·07 | −0·51 | 36·00 | 32·63 |
| | | Murshidabad ... | 8 67 | 10·90 | −2·23 | 12·00 | 15·31 | 27·23 | 24·29 | +2·94 | 32·00 | 31·42 |
| | | Jessore ... | 9·34 | 10·64 | −1·30 | 15 80 | 16·08 | 27·54 | 26·10 | +1·44 | 42·00 | 34 40 |
| | | Khulna ... | 12·92 | 13·10 | −0·18 | 20·00 | 17 60 | 33 73 | 29 37 | +4·36 | 45·40 | 36·10 |
| Bihar. | Patna ... | Patna ... | 11·34 | 12·40 | −1·06 | 12·50 | 14·37 | 24·41 | 21·28 | +3·13 | 26·73 | 23·69 |
| | | Gaya ... | 10·80 | 12·40 | −1·60 | 13·00 | 14·19 | 24·20 | 19·76 | +4·44 | 26·01 | 22·80 |
| | | Shahabad ... | 10·73 | 12·69 | −1·96 | 14 83 | 13·90 | 25·36 | 19 51 | +5·85 | 26 99 | 22·58 |
| | Tirhut ... | Saran ... | 10·06 | 11·77 | −1·71 | 12·00 | 13·34 | 25·27 | 20·52 | +4·75 | 26·27 | 22·28 |
| | | Champaran ... | 11·91 | 13·72 | −1·81 | 12·75 | 13 83 | 26·07 | 24·63 | +1·44 | 31·59 | 25·72 |
| | | Muzaffarpur ... | 9·16 | 12·03 | −2·87 | 12·00 | 13·03 | 26·71 | 20·88 | +5·83 | 28·43 | 22·88 |
| | | Darbhanga ... | 13·69 | 12·59 | +1·10 | 12·20 | 13·94 | 38·96 | 21 48 | +17·48 | 31·60 | 23·97 |
| | Bhagalpur ... | Monghyr ... | 9·94 | 13·33 | −3·39 | 14·00 | 14·62 | 27·66 | 22·18 | +5·48 | 30·10 | 24·66 |
| | | Bhagalpur ... | 8·21 | 12·72 | −4·51 | 9·88 | 14·75 | 26 83 | 23·12 | +3·71 | 27·01 | 26·69 |
| | | Darjeeling ... | 28·64 | 32·08 | −3·44 | 25·50 | 24·74 | 68·40 | 61·26 | +7·14 | 55·34 | 52·22 |
| | | Purnea ... | 10·73 | 18·16 | −7·43 | 11·71 | 17·40 | 39·22 | 34·22 | +5·00 | 33 37 | 33·19 |
| | | Sonthal Parganas. | 9·50 | 12·68 | −3·18 | 13 94 | 15·67 | 26·15 | 24·03 | +2·12 | 31·26 | 29·78 |
| Orissa. | Orissa ... | Sambalpur ... | 18·89 | 18·37 | +0·52 | 22·50 | 17·55 | 36·96 | 29·45 | +7·51 | 41·00 | 28·40 |
| | | Angul ... | 11·03 | 12·17 | −1·14 | 18·50 | 15·80 | 22·79 | 23·40 | −0·61 | 36·00 | 29 85 |
| | | Cuttack ... | 17·52 | 11·89 | +5 63 | 18·25 | 14·79 | 30·29 | 25·56 | +4·73 | 37·76 | 27·95 |
| | | Balasore ... | 14·63 | 12·03 | +2·60 | 16·00 | 14·03 | 28 78 | 24·37 | +4·41 | 36·33 | 28 96 |
| | | Puri ... | 15·20 | 10·23 | +4·97 | 17·00 | 12·64 | 28·24 | 20·43 | +7·81 | 34·05 | 24·85 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | 9·47 | 14 33 | −4·86 | 11·83 | 16·75 | 19·59 | 24·03 | −4·44 | 26·93 | 28·58 |
| | | Ranchi ... | 13·69 | 14·38 | −0·69 | 17·20 | 17·01 | 24·99 | 25·03 | −0·04 | 33·03 | 30 04 |
| | | Palamau ... | 3·37 | 13·85 | −0·48 | 17·50 | 16·01 | 24·90 | 21·41 | +3·49 | 30·50 | 25·23 |
| | | Manbhum ... | 8·45 | 12·80 | −4·35 | 14·43 | 16·34 | 20·28 | 14·19 | +6·09 | 31·72 | 30·00 |
| | | Singhbhum ... | 10·91 | 15·07 | −4·16 | 16·29 | 16·51 | 25·55 | 27·74 | −2·19 | 35·18 | 31 91 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF JULY 1909.

During July, the rainfall was below the average in all districts of the Province, excepting Darbhanga, Sambalpur, Cuttack, Balasore and Puri, where it was in excess. The deficiency varied from −0·18 inch in Khulna to −7·43 inches in Purnea.

Expressed in percentage figures, South-West Bengal received 76 per cent., Bihar 75 per cent., Orissa 146 per cent. and Chota Nagpur 68 per cent. of the normal fall. Orissa was the only division where the fall was in excess.

In South-West Bengal the rainfall of the first seven months expressed as a percentage was 103 per cent., in Bihar 111 per cent., in Orissa 136 per cent. and in Chota Nagpur 89 per cent.

The following table compares the rainfall in the four divisions during the month of July with the normal fall, the actual being given as a percentage of the normal. The table also shows the actual falls for each of the previous months of the year expressed in the same way, and the last column of the table shows the total rainfall of the past seven months of the year 1909:—

| Meteorological Divisions. | January. | February. | March. | April. | May. | June. | July. | Actual rainfall of first seven months of 1909 expressed as a percentage of the normal fall for the period. |
|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... ... | 61 | 17 | 1 | 308 | 82 | 126 | 76 | 103 |
| Bihar ... ... ... | 41 | 44 | 0 | 457 | 39 | 180 | 75 | 111 |
| Orissa ... ... .. | 31 | 179 | 10 | 411 | 95 | 130 | 146 | 136 |
| Chota Nagpur ... ... | 208 | 182 | 7 | 369 | 45 | 96 | 68 | 89 |

PERCENTAGE TABLE FOR JULY 1909.

| Division. | District. | Normal district rainfall for July. | Actual district rainfall for July 1909. | Percentage of actual to normal rainfall. | Percentage excess (+), deficit (—). |
|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... ... | 12·25 | 8·49 | 69 | — 31 |
| | Birbhum ... ... | 12·49 | 7·54 | 60 | — 40 |
| | Bankura ... ... | 12·22 | 8·57 | 70 | — 30 |
| | Midnapore ... ... | 12·43 | 10·75 | 87 | — 13 |
| | Hooghly ... ... | 12·02 | 6·55 | 55 | — 45 |
| | Howrah ... ... | 11·53 | 9·34 | 81 | — 19 |
| | 24-Parganas ... ... | 12·98 | 9·87 | 76 | — 24 |
| | Calcutta ... ... | 12·31 | 9·94 | 80 | — 20 |
| | Nadia ... ... | 10·36 | 7·22 | 70 | — 30 |
| | Murshidabad ... ... | 10·90 | 8·67 | 80 | — 20 |
| | Jessore ... ... | 10·64 | 9·34 | 88 | — 12 |
| | Khulna ... ... | 13·10 | 12·92 | 98 | — 2 |
| Bihar ... | Patna ... ... | 12·40 | 11·34 | 92 | — 8 |
| | Gaya ... ... | 12·40 | 10·80 | 87 | — 13 |
| | Shahabad ... ... | 12·69 | 10·73 | 85 | — 15 |
| | Saran ... ... | 11·77 | 10·06 | 86 | — 14 |
| | Champaran ... ... | 13·72 | 11·91 | 87 | — 13 |
| | Muzaffarpur ... ... | 12·03 | 9·16 | 76 | — 24 |
| | Darbhanga ... ... | 12·59 | 13·69 | 109 | + 9 |
| | Monghyr ... ... | 13·33 | 9·94 | 74 | — 26 |
| | Bhagalpur ... ... | 12·72 | 8·21 | 64 | — 36 |
| | Darjeeling ... ... | 32·08 | [illegible]·4 | 90 | — 10 |
| | Purnea ... ... | 18·16 | 10·[illegible]3 | 59 | — 41 |
| | Sonthal Parganas ... | 12·68 | 9·50 | 75 | — 25 |
| Orissa ... | Sambalpur ... ... | 18·37 | 18·89 | 103 | + 3 |
| | Angul ... ... | 12·17 | 11·03 | 90 | — 10 |
| | Cuttack ... ... | 11·89 | 17·52 | 147 | + 47 |
| | Balasore ... ... | 12·03 | 14·63 | 121 | + 21 |
| | Puri ... ... | 10·23 | 15·20 | 148 | + 48 |
| Chota Nagpur | Hazaribagh ... ... | 14·33 | 9·47 | 66 | — 34 |
| | Ranchi ... ... | 14·38 | 13·69 | 95 | — 5 |
| | Palamau ... .. | 13·85 | 13·37 | 97 | — 3 |
| | Manbhum ... ... | 12·80 | 8·45 | 66 | — 34 |
| | Singhbhum ... ... | 15·07 | 10·91 | 72 | — 28 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of July 1909:—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Rainfall since 16th May 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation | Average number in month. | Normal average number in month. | Variation. | Average. | Normal average. |
| South-West Bengal ... | 9·13 | 11·94 | —2·81 | 14·99 | 15·92 | —0·93 | 22·72 | 25·79 |
| Bihar ... ... | 9·76 | 13·05 | —3·29 | 12·19 | 14·68 | —2·49 | 24·75 | 22·86 |
| Orissa ... ... | 16·69 | 11·43 | +5·26 | 18·80 | 13·99 | +4·88 | 28·44 | 23·25 |
| Chota Nagpur ... | 9·58 | 14·08 | —4·50 | 13·20 | 16·55 | —3·35 | 18·41 | 84·77 |

CALCUTTA,
*The 17th August 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal.*

No

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 50,314 | 25,964 | 76,542 | ..... | 38 | 3,072 | ..... | 79,652 | 4,677,481 | 25 | ..... |
| Birbhum ... ... | 67,790 | ..... | 67,790 | ..... | ..... | ..... | ..... | 67,790 | ..... | 25 | ..... |
| Bankura ... ... | 4,703 | ..... | 4,703 | ..... | ..... | ..... | ..... | 4,703 | ..... | 80 | ..... |
| Midnapore ... ... | 166,404 | 7,256 | 170,939 | 2 | 26 | 648 | 385 | 172,000 | ..... | 21 | ..... |
| Hooghly ... ... | 131,848 | 7,821 | 136,736 | 85 | 12 | 3,166 | 50 | 140,049 | 8,617 | 13 | ..... |
| 24-Parganas ... ... | 327,889 | 52,103 | 360,453 | 225 | ..... | 1,378 | ..... | 362,056 | 17,040 | 2,967 | ..... |
| Nadia ... ... | 1,403 | ..... | 1,403 | 18,538 | ..... | 314,355 | 70,425 | 404,721 | ..... | 352 | ..... |
| Murshidabad ... ... | 3,307 | ..... | 3,307 | 9,684 | ..... | 50,194 | 7,719 | 7,904 | ..... | 94 | ..... |
| Jessore ... ... | 126 | ..... | 126 | ..... | ..... | 10,782 | 248 | 17,156 | ..... | 1,079 | ..... |
| Khulna ... ... | 1,381 | 15,050 | 10,787 | 400 | ..... | 5,499 | 154 | 16,840 | ..... | 375 | ..... |
| Total Bengal .. | 7,65,165 | 108,194 | 832,786 | 28,934 | 76 | 395,094 | 78,981 | 1,335,871 | 4,703,138 | 5,031 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna ... ... | 10 | ..... | 10 | 1,550 | ..... | 10,693 | 720 | 12,973 | ..... | ..... | ..... |
| Gaya ... .. | ..... | ..... | ..... | 22,486 | ..... | 13,261 | 742 | 36,489 | ..... | 18 | ..... |
| Shahabad .. ... | 19 | ..... | 19 | 53,027 | 2 | 19,195 | ..... | 72,243 | ..... | ..... | ..... |
| Saran ... ... | 2 | ..... | 2 | 9 | 40 | 816 | 7 | 874 | ..... | ..... | ..... |
| Champaran ... .. | ..... | ..... | ..... | 4,095 | ..... | 810 | ..... | 4,905 | ..... | 707 | ..... |
| Muzaffarpur ... ... | 2 | ..... | 2 | 1,645 | 1 | 2,997 | 276 | 4,921 | ..... | 180 | ..... |
| Darbhunga ... ... | ..... | ..... | .. | 378 | ..... | 837 | ..... | 1,215 | ..... | ..... | ..... |
| Monghyr ... ... | ..... | ..... | ..... | 8,167 | ..... | 30,608 | ..... | 38,775 | ..... | 147 | ..... |
| Bhagalpur ... ... | 5 | ..... | 5 | 20,868 | ..... | 10,141 | 103 | 31,117 | ..... | ..... | ..... |
| Purnea ... | ..... | ..... | ..... | ..... | ..... | 75 | ..... | 75 | ..... | 18 | ..... |
| Sonthal Parganas .. | 2 | ..... | 2 | 19,263 | ..... | 12,466 | 993 | 32,724 | ..... | 62 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 204 | 515 | ..... | ..... | 719 | ..... | ..... | ..... |
| Total Bihar ... | 40 | ..... | 40 | 131,692 | 558 | 101,899 | 2,841 | 237,030 | ..... | 1,132 | ..... |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 2,102 | ..... | 2,102 | ..... | ..... | 1,632 | ..... | 3,734 | ..... | 20 | ..... |
| Balasore ... ... | 61,027 | 5,631 | 64,546 | ..... | ..... | 669 | ..... | 65,215 | ..... | 160 | ..... |
| Puri ... ... | 31,342 | ..... | 31,342 | ..... | 8 | ..... | ..... | 31,350 | ..... | ..... | ..... |
| Sambalpur ... ... | 11,496 | ..... | 11,496 | ..... | ..... | ..... | ..... | 11,496 | ..... | ..... | ..... |
| Mourbhanj State .. | 2,681 | 356 | 2,903 | ..... | ..... | ..... | ..... | 2,903 | ..... | 13 | ..... |
| Total Orissa ... | 108,648 | 5,987 | 112,389 | ..... | 8 | 2,301 | ..... | 114,698 | ..... | 193 | ..... |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh ... ... | 8 | ..... | 8 | ..... | ..... | ..... | ..... | 8 | 218,534 | ..... | ..... |
| Ranchi ... ... | 11 | ..... | 11 | ..... | ..... | ..... | ..... | 11 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6 | ..... |
| Manbhum ... ... | 41 | ..... | 41 | ..... | 132 | 40 | ..... | 213 | 4,846,436 | ..... | ..... |
| Singhbhum ... ... | 4,296 | 958 | 4,895 | ..... | ..... | 2 | ..... | 4,897 | ..... | 3 | ..... |
| Total Chota Nagpur | 4,356 | 958 | 4,955 | ..... | 132 | 42 | ..... | 5,129 | 5,064,970 | 9 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 873,209 | 115,139 | 950,170 | 160,626 | 774 | 499,336 | 81,822 | 1,692,728 | 9,768,108 | 6,365 | ..... |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| E B and Assam ... | 116,841 | 44 | 116,869 | 13,106 | 12 | 35,638 | 10,138 | 175,763 | ..... | 32,772 | ..... |
| Burma .. | 686,488 | 365,019 | 914,625 | 2,033 | ... | 6,903 | 2,826 | 926,387 | ..... | 9,740 | ..... |
| U P of Agra and Oudh | 29 | ..... | 29 | 1,320,312 | 10,660 | 276,646 | 37,339 | 1,644,986 | ..... | 5,261 | ..... |
| Panjab .. .. | 87 | ..... | 87 | ..... | ..... | 4,134 | 1,166 | 5,387 | ..... | 3,546 | ..... |
| Central Provinces and Berar | 14,089 | 376 | 14,324 | 147,627 | ..... | 29,201 | ..... | 191,152 | ..... | 32,381 | ..... |
| Bombay ... .. | ..... | ..... | ..... | 696 | ..... | 3 | 1 | 700 | ..... | 1,022 | ..... |
| Madras ... ... | 920 | ..... | 920 | ..... | ..... | 3,158 | 923 | 5,001 | ..... | 3,285 | ..... |
| Rajputana and Central India | 21 | ..... | 21 | 6,528 | ..... | 8,029 | 19 | 14,597 | ..... | 6,903 | ..... |
| **GRAND TOTAL** 1909 .. | 1,696,684 | 480,578 | 1,097,045 | 1,650,928 | 11,446 | 803,048 | 134,234 | 4,656,701 | 9,768,108 | 104,275 | ..... |
| 1908 ... | 1,781,649 | 674,632 | 2,203,294 | 291,958 | 7,123 | 320,052 | 156,125 | 2,988,432 | 10,693,626 | 58,891 | 3 |
| 1907 . | 1,185,536 | 239,619 | 1,335,297 | 418,995 | 4,248 | 556,273 | 57,682 | 2,372,495 | 11,409,212 | 89,636 | 380 |

* One maund of paddy is equivalent to 25 seers of rice.
† Including gunny cloth, 2 yards = 1 bag

I

*by Rail, Road, River, Canal and Sea (coastwise) in April 1909*

| Jute. | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw. | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | Nos | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | **Bengal** |
| ..... | 13,195 | 915 | 136 | ..... | 2 | ..... | ..... | ..... | 27 | 2 | Burdwan |
| ..... | 4,165 | 282 | ..... | 9 | 16 | ..... | ..... | ..... | ..... | 1 | Birbhum |
| ..... | 1,120 | 44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 163 | Bankura |
| 70 | 12,891 | ..... | 2,414 | 2 | ..... | 32 | 3,077 | ..... | 2 | ..... | Midnapore |
| 10,555 | 3,832,643 | ..... | 1,677 | 112 | ..... | 282 | 1,685 | ..... | 8,138 | 391 | Hooghly |
| 47,373 | 10,116,551 | ..... | 78 | ..... | ..... | 28,630 | 9,919 | ..... | 1,612 | 800 | 24-Parganas |
| 9,069 | 220,235 | ..... | 19,255 | 296 | ..... | 6 | 8,527 | ..... | 1,463 | ..... | Nadia |
| 11,360 | 630 | 389 | 12,658 | 2,179 | 529 | ..... | 20 | ..... | ..... | ..... | Murshidabad |
| 6,011 | 1,155 | ..... | 533 | 276 | ..... | ..... | 12,843 | ..... | 1,220 | ..... | Jessore |
| 11,491 | 595 | ..... | 410 | 2,596 | ..... | ..... | 9,225 | ..... | 20 | ..... | Khulna |
| 95,929 | 14,203,180 | 1,630 | 37,161 | 5,464 | 547 | 28,950 | 43,296 | ..... | 12,482 | 1,356 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 143 | 455 | 211 | 68,171 | 22,220 | ..... | ..... | 21 | ..... | 1,163 | 1,336 | Patna |
| ..... | 3,010 | 3,242 | 84,051 | 13,907 | ..... | ..... | ..... | ..... | 390 | 1,012 | Gaya |
| ..... | 875 | ..... | 61,539 | 106 | ..... | 260 | 1,654 | ..... | ..... | 243 | Shahabad |
| ..... | 500 | 779 | 3,822 | 4,029 | ..... | ..... | 2,158 | ..... | 34 | ..... | Saran |
| 1,889 | ..... | ..... | 55,024 | 28,377 | ..... | ..... | ..... | ..... | ..... | ..... | Champaran |
| 755 | 1,365 | ..... | 72,022 | 51,846 | ..... | ..... | ..... | ..... | 740 | ..... | Muzaffarpur |
| 3,682 | 1,085 | ..... | 82,690 | 35,035 | ..... | ..... | 108 | ..... | 5,469 | ..... | Darbhanga |
| 2,692 | 14,630 | ..... | 15,775 | 26,825 | ..... | ..... | ..... | ..... | 658 | 834 | Monghyr |
| 6,070 | 2,275 | ..... | 37,881 | 84,102 | ..... | ..... | 3 | 1 | ..... | ..... | Bhagalpur |
| 56,399 | 7,420 | ..... | 2,362 | 13,370 | ..... | ..... | ..... | ..... | 28,553 | 89 | Purnea |
| 15,814 | 350 | 4,458 | 7,101 | 37,806 | ..... | ..... | ..... | ..... | ..... | ..... | Sonthal Parganas |
| 1,753 | 16,450 | ..... | ..... | 106 | ..... | ..... | ..... | 833 | 108 | ..... | Darjeeling |
| 12,438 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 924 | ..... | Cooch Behar |
| 102,235 | 48,475 | 8,690 | 491,638 | 307,789 | ..... | 260 | 4,444 | 834 | 38,039 | 3,514 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 648 | 210 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Cuttack |
| 10,362 | 1,705 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 35 | ..... | Balasore |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Puri |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Sambalpur |
| ..... | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mourbhanj State |
| 11,010 | 1,915 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | 35 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| ..... | 2,940 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Hazaribagh |
| ..... | 1,050 | 2,748 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Ranchi |
| ..... | 2,800 | 1,134 | 1,529 | 2,190 | ..... | ..... | ..... | ..... | ..... | ..... | Palamau |
| ..... | 2,660 | 6,284 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Manbhum |
| 2 | 630 | 649 | 2,448 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Singhbhum |
| 2 | 10,080 | 10,840 | 3,977 | 2,190 | ..... | ..... | ..... | ..... | ..... | ..... | Total Chota Nagpur |
| 209,176 | 14,263,650 | 21,168 | 532,776 | 315,443 | 547 | 29,210 | 49,740 | 834 | 50,556 | 4,870 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Places** |
| 739,963 | 214,025 | 1,830 | 43,040 | 57,491 | 430 | 13 | 109 | 4,552 | 22,678 | 2 | E B and Assam |
| ..... | ..... | 852 | ..... | ..... | ..... | 3,114 | ..... | ..... | ..... | 1 | Burma |
| 2,555 | 19,775 | 15,512 | 160,869 | 427,853 | ..... | 31 | 1,423 | 10 | 190 | 26 | U P of Agra and Oudh |
| ..... | ..... | ..... | ..... | 2,800 | ..... | ..... | ..... | ..... | 11 | 2 | Punjab |
| 631 | 6,335 | 334 | 24,147 | 2,431 | ..... | ..... | 83 | ..... | ..... | 40 | Central Provinces and Berar |
| ..... | ..... | ..... | ..... | ..... | ..... | 770 | ..... | ..... | 523 | 11 | Bombay |
| 13 | 6,455 | ..... | ..... | ..... | ..... | 5,130 | ..... | 12 | 266 | 90 | Madras |
| ..... | 10,255 | 2,316 | 80,733 | 2,083 | ..... | ..... | ..... | ..... | ..... | 1 | Rajputana and Central India |
| 952,388 | 14,520,495 | 42,002 | 841,565 | 807,901 | 577 | 38,268 | 51,355 | 5,408 | 74,184 | 5,043 | 1909 } Grand Total |
| 1,387,708 | 8,484,976 | ..... | 331,297 | 696,023 | 2,274 | 50,544 | 52,863 | 2,109 | 52,433 | 3,318 | 1908 } Grand Total |
| 1,081,770 | 12,097,142 | ..... | 653,324 | 725,083 | 1,751 | 39,321 | 48,294 | 7,810 | 71,267 | 4,228 | 1907 } Grand Total |

## No II

*Statement of the Routes by which the Articles enumerated in Table No. I were imported into the Calcutta Trade Block in April 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 461,937 | 57,519 | 4,252 | 38 | 108,136 | 224 | 500 | 1,278 | ..... |
| „ river steamer ... | 7,929 | 336 | 156 | ..... | 6,139 | ..... | ..... | 8,840 | ..... |
| „ rail: E. I. Railway | 92,090 | 5,930 | 1,491,400 | 10,873 | 404,676 | 42,997 | 7,633,713 | 20,608 | ..... |
| „ rail: E. B. S. Railway (including B. C. Railway) | 158,293 | 24,707 | 20,685 | 527 | 307,371 | 87,263 | 63,646 | 3,375 | ..... |
| „ rail: A.-B. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 434 | ..... |
| „ rail: B.-N. Railway ... | 145,808 | 13,293 | 142,402 | 8 | 24,536 | ..... | 2,050,745 | 33,053 | ..... |
| „ rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: B. P. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Shenkhala Light Railways | 3,323 | 6 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ road ... ... | 133,738 | 13,590 | ..... | ..... | 1,535 | ..... | 19,504 | 2,063 | ..... |
| „ sea ... ... ... | 693,566 | 365,197 | 2,033 | ..... | 10,664 | 3,750 | ..... | 34,624 | ..... |
| Total ... 1909 ... | 1,696,584 | 480,578 | 1,650,928 | 11,446 | 863,148 | 134,234 | 9,768,108 | 104,275 | ..... |
| Total ... 1908 ... | 1,781,649 | 674,632 | 291,938 | 7,123 | 329,952 | 150,125 | 10,693,626 | 58,691 | 3 |
| Total ... 1907 ... | 1,185,536 | 239,619 | 418,995 | 4,248 | 556,273 | 57,082 | 11,409,212 | 88,636 | 380 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Lac. | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Tea, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 114,147 | 13,577,075 | ... | 13,763 | 739 | ..... | 1,070 | 22,181 | ..... | 8,425 | 1 |
| „ river steamer ... | 285,475 | 12,145 | 55 | 6,600 | 45,076 | 14 | ... | 112 | 2,311 | 1,471 | 2,210 |
| „ rail: E. I. Railway | 13,604 | 88,655 | 29,609 | 736,527 | 727,396 | 26 | 291 | 5,576 | 11 | 8,743 | 1,338 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 500,523 | 654,710 | 1,765 | 56,518 | 32,573 | 937 | 13 | 14,163 | 1,382 | 51,994 | ..... |
| „ rail: A.-B. Railway | 15,040 | 210 | ..... | ..... | ..... | ..... | ..... | ..... | 221 | ..... | ..... |
| „ rail: B.-N. Railway | 885 | 12,215 | 9,721 | 27,177 | 2,117 | ..... | ..... | 83 | ..... | 779 | 234 |
| „ rail: D.-S. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 164 | ..... | ..... |
| „ rail: B. P. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Shenkhala Light Railways | ..... | 3,605 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | 4 |
| „ road ... ... ... | 12,471 | 165,880 | ..... | 980 | ..... | ..... | 27,880 | 9,233 | ..... | 2,725 | 1,186 |
| „ sea ... ... ... | 10,193 | 6,000 | 852 | ... | ..... | ..... | 9,014 | ..... | 1,319 | 47 | 70 |
| Total ... 1909 ... | 952,338 | 14,520,495 | 42,002 | 841,565 | 807,901 | 977 | 38,268 | 51,355 | 5,408 | 74,184 | 5,043 |
| Total ... 1908 ... | 1,387,708 | 8,494,976 | ... | 331,297 | 696,023 | 2,274 | 50,544 | 52,863 | 2,169 | 52,433 | 3,318 |
| Total ... 1907 ... | 1,081,770 | 12,097,142 | ..... | 652,324 | 725,693 | 1,751 | 30,321 | 48,294 | 7,810 | 71,367 | 4,226 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in April 1909*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosene oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom ... ... ... ... ... ... | 11,065 | ..... | 1,41,47,378 | ..... | ..... | 1,68,149 |
| Other countries ... ... ... ... ... ... | 2,095 | ..... | 30,707 | ..... | 1,08,208 | 846,576 |
| Total .. | 13,160 | ..... | 1,41,78,585 | ..... | 108,208 | 1,014,725 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bombay ... ... ... ... ... ... ... ... | ..... | 13,400 | ..... | 8,46,039 | ..... | 164,919 |
| Madras ... ... ... ... ... ... ... ... | ..... | ..... | ..... | 28,140 | ..... | ..... |
| Burma ... ... ... ... ... ... ... ... | ..... | 48 | 2,659 | ..... | 321,173 | ..... |
| Total ... | ..... | 13,448 | 2,659 | 8,74,179 | 321,173 | 164,919 |
| Total .. 1909 ... | 13,160 | 13,448 | 1,41,81,244 | 8,74,179 | 429,381 | 1,179,644 |
| Total .. 1908 ... | 13,310 | 10,879 | 1,41,15,241 | 11,10,695 | 347,055 | 1,363,775 |
| Total .. 1907 ... | 14,278 | 10,030 | 2,07,73,148 | 6,91,619 | 543,755 | 1,425,940 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in April 1909*

| | Food-grains | | | | | | | | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | | | |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,414 | ..... | 1,414 | ..... | 485 | 142 | ..... | 2,041 | 381 | ..... | ..... |
| Eastern Bengal and Assam. | ..... | ..... | ..... | ..... | 991 | ..... | ..... | 991 | 18,212 | ..... | ..... |
| Bombay ... .. | 20,694 | ..... | 20,694 | ..... | ..... | ..... | ..... | 20,694 | 2,380,013 | ..... | 37 |
| Sind and British Baluchistan. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,513,909 | ..... | ..... |
| Madras ... ... | 25,948 | ..... | 25,948 | ..... | 4,154 | 51,287 | 173 | 81,562 | 924,549 | ..... | 22 |
| Burma ... ... | 3,990 | ..... | 3,990 | 2,498 | 18,437 | 30,766 | 3,604 | 59,295 | 733,013 | ..... | ..... |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pondichery ... | ..... | ..... | ..... | ..... | 47 | 528 | ..... | 575 | 62,611 | 2,406 | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 185,492 | ..... | ..... |
| Alleppey ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | 52,046 | ..... | 52,046 | 2,498 | 24,114 | 82,723 | 3,777 | 165,158 | 6,018,180 | 2,406 | 59 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 80,078 | ..... | 80,078 | 257,551 | ..... | 153,035 | 11,573 | 502,237 | ..... | 2,005 | 1,142 |
| Other countries | 670,641 | ..... | 670,641 | 96,856 | 11,112 | 109,335 | 9,552 | 897,496 | 1,042,005 | 28,012 | 567 |
| Total ... | 750,719 | ..... | 750,719 | 354,407 | 11,112 | 262,370 | 21,125 | 1,399,733 | 1,042,005 | 30,017 | 1,649 |
| Total ... 1909 .. | 802,765 | ..... | 802,765 | 356,905 | 35,226 | 345,093 | 24,902 | 1,564,891 | 7,060,185 | 32,423 | 1,708 |
| Total ... 1908 ... | 371,114 | 21,290 | 384,420 | 1,136 | 22,5[illegible] | 43,229 | 7,956 | 459,277 | 7,304,212 | 21,617 | 2,929 |
| Total ... 1907 .. | 666,404 | ..... | 666,404 | 6,936 | 33,232 | 135,417 | 9,487 | 856,503 | 3,689,618 | 87,340 | 1,824 |

| | Jute | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | N. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... .. | ..... | 6,900 | ..... | ..... | ..... | ..... | 668 | 14 | ..... | 280 | 15 |
| Eastern Bengal and Assam. | ..... | 30,820 | 1 | ..... | ..... | ..... | 1,647 | 702 | 4 | 5 | ..... |
| Bombay ... .. | ..... | 3,149,[illegible] | ..... | ..... | ..... | ..... | 1,269 | ..... | 1,440 | ..... | 6 |
| Sind and British Baluchistan. | ..... | 521,700 | ..... | ..... | ..... | ..... | ..... | ..... | 117 | ..... | 12 |
| Madras ... ... | ..... | 442,600 | ..... | ..... | 3,695 | ..... | 372 | ..... | 93 | 2 | 133 |
| Burma ... ... | ..... | 3,855,625 | 4 | 42 | ..... | 5 | 2,092 | 1,832 | 737 | 2,066 | 430 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 20 | ..... | ..... |
| Pondichery ... | ..... | 69,100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | ..... | 7,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | ..... | 8,083,785 | 5 | 42 | 3,695 | 5 | 6,068 | 2,548 | 2,411 | 2,353 | 596 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 189,507 | 2,950,200 | 8,794 | 347,984 | 16,826 | 418 | ..... | ..... | 4,147 | ..... | 10 |
| Other countries | 720,832 | 71,670,807 | 44,643 | 77,028 | 106,231 | 519 | 5 | ..... | 2,616 | 1,229 | 177 |
| Total ... | 910,439 | 74,621,007 | 53,437 | 425,012 | 122,557 | 937 | 5 | ..... | 6,763 | 1,229 | 187 |
| Total ... 1909 ... | 910,439 | 82,704,792 | 53,442 | 425,054 | 126,252 | 942 | 6,073 | 2,548 | 9,174 | 3,582 | 783 |
| Total ... 1908 ... | 1,393,563 | 63,093,455 | ..... | 96,534 | 63,314 | 1,352 | 6,325 | 1,113 | 5,308 | 9,604 | 871 |
| Total ... 1907 ... | 830,926 | 77,553,579 | ..... | 325,587 | 114,206 | 1,687 | 9,574 | 3,318 | 12,381 | 15,646 | 853 |

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in April 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| **Bengal** | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| Burdwan | 103 | 988 | 2,60,723 | 25,815 | 69,310 | 313 | 11,171 | 31,560 |
| Birbhum | 447 | 1,407 | 2,46,952 | 11,909 | 61,810 | 32 | 3,765 | 21,426 |
| Bankura | 28 | 860 | 44,022 | 533 | 7,875 | 1 | ..... | 7,227 |
| Midnapore | 696 | 1,282 | 3,37,518 | 62,422 | 35,500 | 104 | 7,959 | 46,238 |
| Hooghly | 385 | 1,018 | 1,58,940 | 97,829 | 42,882 | 3,912 | 8,435 | 24,744 |
| 24-Parganas | 646 | 100 | 1,82,281 | 1,27,524 | 42,359 | 14,747 | 17,692 | 20,434 |
| Calcutta | ..... | ..... | ..... | .... | ..... | ..... | 84,044 | ..... |
| Nadia | 913 | 2,422 | 5,16,103 | 66,207 | 248,325 | 3,165 | 14,533 | 31,819 |
| Murshidabad | 5 | 716 | 2,32,632 | 11,094 | 154,130 | 562 | 4,675 | 28,849 |
| Jessore | ..... | 1,022 | 955 | 1,48,991 | 1,770 | 1,397 | 2,035 | 13,879 |
| Khulna | ..... | 176 | 10,371 | 1,49,839 | 8,855 | 3,721 | 2,140 | 8,057 |
| Total Bengal | 3,223 | 10,053 | 19,90,497 | 7,02,763 | 6,72,816 | 27,954 | 151,969 | 233,233 |
| **Bihar** | | | | | | | | |
| Patna | 791 | 690 | 2,96,681 | 4,266 | 160,195 | 12 | 16,984 | 30,680 |
| Gaya | 26 | 1,482 | 2,24,794 | 3,022 | 61,180 | 12 | 6,699 | 22,248 |
| Shahabad | ..... | 236 | 3,74,704 | 1,777 | 112,805 | 8 | 2,601 | 19,759 |
| Saran | 64 | 211 | 4,10,637 | 296 | 9,485 | 140 | 4,801 | 29,406 |
| Champaran | 6 | 388 | 3,28,331 | 20,974 | 66,815 | 42 | 5,018 | 24,156 |
| Muzaffarpur | 26 | 259 | 3,68,184 | 9,704 | 93,100 | 13 | 3,795 | 31,284 |
| Darbhanga | 59 | 1,056 | 6,03,293 | 355 | 29,825 | 51 | 6,394 | 39,240 |
| Monghyr | 57 | 945 | 2,47,392 | 3,496 | 57,645 | 354 | 8,507 | 19,137 |
| Bhagalpur | 57 | 1,082 | 4,16,449 | 3,140 | 79,975 | 61 | 9,079 | 41,529 |
| Purnea | ..... | 537 | 2,51,141 | 18,368 | 35,630 | 61 | 6,340 | 22,879 |
| Sonthal Parganas | 63 | 2,017 | 1,10,230 | ..... | 101,885 | 9 | 7,929 | 21,204 |
| Darjeeling | ..... | 367 | 1,06,490 | 21,508 | 13,335 | 170 | 3,230 | 15,168 |
| Cooch Behar | ..... | 59 | 89,259 | 12,562 | 3,500 | 15 | 1,473 | 7,128 |
| Total Bihar | 149 | 9,279 | 38,27,645 | 99,468 | 825,405 | 948 | 82,856 | 323,815 |
| **Orissa** | | | | | | | | |
| Cuttack | 313 | 2,440 | 52,852 | 5,925 | 15,925 | 44 | ..... | 495 |
| Balasore | 372 | 2,630 | 47,721 | 600 | 45,800 | ..... | ..... | 22,674 |
| Puri | 13 | 289 | 14,303 | 483 | 7,980 | 1 | ..... | ..... |
| Sambalpur | 25 | 55 | 12,936 | 205 | 19,145 | ..... | ..... | 5 |
| Mourbhanj State | ..... | 29 | 4,261 | ..... | 910 | 3 | ..... | 2,396 |
| Total Orissa | 723 | 5,443 | 1[illegible]1,773 | 7,213 | 89,760 | 48 | ..... | 25,570 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | ..... | 598 | [illegible] | 2,488 | 595 | 160 | 1,532 | 14,423 |
| Ranchi | ..... | 86 | 37,438 | 1,646 | 3,150 | 12 | 1,360 | 16,338 |
| Palamau | 9 | 49 | 41,380 | 652 | 1,330 | 1 | 937 | 8,698 |
| Manbhum | ..... | 1,179 | 1,00,120 | 2,903 | 4,235 | 220 | 6,963 | 19,473 |
| Singhbhum | ..... | 66 | 25,383 | 948 | 13,160 | ..... | ..... | 15,345 |
| Gangpur (Tributary State) | ..... | 8 | 5,843 | ..... | 2,905 | 2 | ..... | 198 |
| Total Chota Nagpur | 9 | 1,986 | 2,28,575 | 8,537 | 25,375 | 395 | 10,792 | 74,475 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 5,104 | 26,761 | 61,78,490 | 8,17,981 | 1,613,356 | 29,3[illegible] | 245,617 | 657,093 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 6,801 | 6,916 | 35,55,821 | 8,03,167 | 248,485 | 19,732 | 128,156 | 336,335 |
| Burma | 113 | 5,235 | 29,151 | 18,727 | 3,855,[illegible]25 | ..... | .. | 27 |
| U. P. of Agra and Oudh | 594 | 203 | 35,43,047 | 1,11,225 | 1,429,820 | 555 | 40,755 | 26,928 |
| Panjab | 482 | 18 | 8,15,785 | 4,799 | 538,090 | 222 | 2,451 | ..... |
| Sind and British Baluchistan | ..... | ..... | 298 | ..... | 521,700 | ..... | ..... | ..... |
| Central Provinces and Berar | 29 | 31 | 1,20,723 | 2,192 | 400,[illegible] | 62 | 1,155 | 792 |
| Bombay | ..... | ..... | 4,157 | 2,222 | 3,266,[illegible] | ..... | ..... | ..... |
| Madras | 47 | 779 | 42,766 | 6,649 | 524,300 | 25 | ..... | 4 |
| Rajputana and Central India | 95 | 6 | 1,68,073 | 780 | 45,[illegible]70 | 19 | 1,515 | ..... |
| Nizam's Territory | 12 | . | 11,783 | 119 | 350 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 298 | ..... | ..... | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 7,500 | ..... | ..... | ..... |
| Pondichery | ..... | ..... | ..... | ..... | 69,100 | ..... | ..... | ..... |
| Port Blair | ..... | 97 | 480 | 120 | 300 | ..... | 59 | ..... |
| **Grand Total** 1909 | 13,277 | 40,046 | 1,44,70,872 | 17,69,981 | 12,822,301 | 40,960 | 419,708 | 1,021,179 |
| **Grand Total** 1908 | 11,281 | 33,212 | 1,66,78,157 | 11,19,009 | 9,276,833 | 34,180 | 261,593 | 934,957 |
| **Grand Total** 1907 | 15,437 | 35,399 | 1,54,05,979 | 6,23,894 | 11,672,101 | 41,985 | 322,412 | 1,170,076 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

## No VI

*Statement of the Routes by which the Articles enumerated in Table No. V were exported from the Calcutta Trade Block in April 1909*

| Routes | Cotton twist and yarn | | Cotton piece-goods* | | Gunny-bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge-Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| By boat | 549 | 845 | 1,81,400 | 1,40,000 | 61,551 | 23,057 | 22,664 | 110,526 |
| ,, river steamer | 7,173 | 1,463 | 17,01,900 | 4,64,164 | 121,870 | 2,243 | 98,720 | 165,760 |
| ,, rail — E. I. Railway | 1,324 | 9,868 | 46,79,378 | 1,43,813 | 1,525,580 | 823 | 102,574 | 198,608 |
| ,, rail — E. B. S. Railway (including E. C. Railway) | 1,284 | 9,151 | 32,96,011 | 4,76,192 | 571,200 | 5,097 | 155,323 | 263,982 |
| ,, rail — A.-B. Railway | 517 | 1,278 | 1,33,853 | 2,86,574 | 19,530 | 820 | 770 | 3,363 |
| ,, rail — B.-N. Railway | 403 | 8,115 | 5,80,858 | 16,335 | 399,630 | 216 | 2,617 | 95,238 |
| ,, rail — B. and N.-W. Railway | 240 | 2,158 | 27,13,600 | 32,516 | 541,380 | 584 | 29,961 | 169,524 |
| ,, rail — O. and R. Railway | ..... | ..... | 5,52,426 | 17,420 | 358,330 | 429 | 9,504 | ..... |
| ,, rail — Howrah-Amta and Howrah-Sheakhala Light Railways | 102 | ..... | 55,987 | ..... | 2,835 | 251 | ..... | 1,024 |
| ,, rail — Minor Railways | 458 | 59 | 3,69,271 | 12,866 | 825,650 | 385 | 1,140 | ..... |
| ,, road | 712 | 294 | 1,62,407 | 1,47,294 | 11,050 | 15,125 | 1,336 | 12,037 |
| ,, sea | 425 | 6,815 | 43,721 | 23,807 | 8,083,785 | ..... | 59 | 517 |
| Total — 1909 | 13,277 | 40,046 | 1,44,70,872 | 17,69,981 | 12,522,391 | 49,960 | 419,708 | 1,021,170 |
| Total — 1908 | 11,281 | 33,212 | 1,66,78,157 | 11,19,009 | 9,276,833 | 34,180 | 261,593 | 934,957 |
| Total — 1907 | 15,437 | 35,399 | 1,54,05,979 | 6,32,894 | 11,672,101 | 41,985 | 322,412 | 1,170,076 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter
† Including gunny cloth, 2 yards = 1 bag

*August 16, 1909.*

F. Noël-Paton,
*Director-General of Commercial Intelligence.*

J. G. Cumming,
*Offg. Secretary to the Government of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 14th August 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 14th August 1909. | | | Week ending Saturday, the 15th August 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 417 | 37,121 | 588 | 544 | 1,14,025 | 1,289 |
| Jute ... ... | 70 | 6,800* | 255 | 97 | †31,407 | 469 |
| Firewood ... ... | 39 | 36,625 | 571 | 77 | 54,075 | 833 |
| Other articles ... ... | 505 | 1,69,701 | 1,712 | 708 | 2,06,424 | 2,077 |
| Total ... | 1,031 | 2,6[illegible] | [illegible]3,126 | 1,426 | 4,05,931 | 4,668 |

* Weight by canal measurement, 19,962½ maunds.
† Ditto ditto 38,537½ ,,

CALCUTTA,
*The 17th August 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of July 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... .. | 29·514 | | |
| The average pressure of July from 44 years' registers ... | 29·537 | | |
| The highest pressure in the month ... ... ... | 29·684 | 28th | 10 |
| The lowest pressure in the month ... ... ... | 29·333 | 16th | 16 |
| The range of pressure ... ... ... ... | 0·351 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 121·3 | | |
| The maximum possible number of hours of sunshine ... | 413·1 | | |
| | | | |
| The mean temperature of the month ... ... ... | 83·4 | | |
| The average temperature of July from 20 years' registers ... | 83·1 | | |
| The highest temperature in the month ... ... ... | 92·3 | 6th | |
| The lowest temperature in the month ... ... ... | 76·4 | 22nd | |
| The range of temperature during the month ... ... | 15·9 | | |
| The mean daily range of temperature ... ... ... | 9·7 | | |
| The greatest range of temperature in one day ... ... | 12·9 | 6th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 87 | | |
| The average humidity of July from 20 years' registers ... | 87 | | |
| | Inches. | | |
| The mean vapour tension of the month .. ... ... | 0·952 | | |
| The average vapour tension of July from 20 years' registers | 0·962 | | |
| The mean cloud proportion of the month ... ... | 8·50 | | |
| The average cloud proportion of July from 32 years' registers ... ... ... ... ... | 8·11 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 9·94 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 9·57 | | |
| The average fall of July from 24 years' registers ... | 12·31 | | |
| The greatest fall in 24 hours ... | 1·28 | 16th | |
| | Days. | | |
| The number of rainy days in the month ... ... | 23 | | |
| The average number of rainy days in July from 24 years' registers ... ... .. ... | 19 | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... ... ... | 142·0 | | |
| The mean difference of sun and air temperatures ... ... | 53·5 | | |
| The greatest sun temperature ... ... ... | 153·0 | 29th | |
| The greatest excess of sun over air temperature .. ... | 62·8 | 22nd | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... ... ... | 77·2 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... ... | 1·6 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... .. | 2·6 | 6th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 114·8 | | |
| The greatest movement of the wind in one day ... ... | 238 | 25th | |
| The greatest movement of the wind in one hour ... ... | 19 | 18th | 9 to 10 A.M. |

The number of hours with winds from each of the eight points—

N. 17, N.E. 20, E. 100, S.E. 197, S. 130, S.W. 160, W. 73, N.W. 25, Calm 22.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 16th August 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th August 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| August | 8th | 126·6 | 0·3 | 29·613 | 84·4 | 88·6 | 7·9 | 80·7 | 79·1 | 0·966 | 78·2 | 87 | SSW and WSW... | 132 | 0·17 | Chiefly cloudy, o, d. |
| " | 9th | 145·6 | 1·6 | ·689 | 82·6 | 89·5 | 13·2 | 76·3 | 77·0 | ·903 | 76·1 | 91 | SSW, WSW and S | 85 | 0·11 | Chiefly cloudy, o, g, d, p, K. |
| " | 10th | 141·3 | 2·7 | ·706 | 82·9 | 89·6 | 12·8 | 76·8 | 79·1 | ·959 | 78·0 | 86 | NNW, W by S and SW by W. | 86 | 1·45 | Chiefly cloudy, o, p, d. |
| " | 11th | 129·9 | 1·8 | ·676 | 81·5 | 86·6 | 9·6 | 77·0 | 79·3 | ·969 | 78·3 | 89 | SW by S and W by S. | 68 | 0·79 | Chiefly cloudy, o p, d. |
| " | 12th | 143·5 | 3·4 | ·632 | 83·7 | 91·1 | 14·2 | 76·9 | 79·2 | ·912 | 77·1 | 82 | W by S and WSW | 108 | 0·49 | Partially cloudy. |
| " | 13th | 148·4 | 8·9 | ·653 | 83·8 | 92·3 | 16·4 | 75·9 | 78·5 | ·895 | 75·9 | 76 | SSW, NNW and N by E. | 112 | 0·22 | Partially cloudy, p. |
| " | 14th | 136·2 | 4·2 | ·703 | 81·2 | 88·9 | 11·9 | 71·0 | 76·8 | ·876 | 75·2 | 81 | NNW and SSE ... | 74 | 0·35 | Partially cloudy o, p, d, t. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·667 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·590 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 22·9 |
| The maximum possible number of hours of sunshine ... ... ... | 90·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·9 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·1 |
| The extreme variation of temperature ... ... ... ... | 18·3 |
| The maximum temperature ... ... ... ... ... | 92·3 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 10 |
| | % |
| The mean relative humidity ... ... ... ... ... | 85 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 87 |
| The total fall of rain from 8th to 14th August 1909 ... ... ... | 3·58 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·29 |
| The total fall from 1st January to 14th August 1909 ... ... ... | 51·04 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 41·00 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; g, dark gloomy; t, thunder; p, passing temporary showers; K, thunderstorm.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 16th August 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 31st July 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| otal traffic for the week ... | 492,687 | 4,15,193 0 0 | 52,90,235 0 | 8,00,669 0 0 | 47,157 0 0 | 12,63,019 0 0 | 159,352 | 158,057 | 317,409 |
| r per mile of railway ... | ..... | 181 1 11 | ..... | 349 4 5 | 20 9 2 | 550 16 6 | ... .. | ... .. | ..... |
| or previous 3⅞ weeks of half-year | 1,774,892 | 14,40,194 0 0 | 2,02,09,884 0 | 31,89,986 0 0 | 1,58,729 0 0 | 47,87,909 0 0 | 544,888 | 609,318 | 1,154,206 |
| Total for 4⅞ weeks ... | 2,267,579 | 18,55,387 0 0 | 2,55,00,119 0 | 39,89,655 0 0 | 2,05,886 0 0 | 60,50,928 0 0 | 704,240 | 767,375 | 1,471,615 |
| **Comparison.** | | | | | | | | | |
| otal for corresponding week of previous year. | 497,536 | 4,13,415 13 3 | 69,17,569 30 | 10,92,347 5 4 | 42,671 5 0 | 15,48,434 8 4 | 158,280 | 222,607 | 380,887 |
| er mile of railway corresponding week of previous year. | ..... | 180 5 6 | ..... | 476 8 2 | 18 9 10 | 675 7 6 | ..... | ..... | ..... |
| otal for corresponding 4⅞ weeks of previous year. | 2,430,589 | 20,10,837 13 4 | 3,22,55,421 30 | 48,13,082 10 3 | 1,86,240 0 2 | 70,11,060 7 9 | 722,457 | 1,019,518 | 1,741,975 |

(a) Decrease is chiefly in upward coal.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,908 | 6,33,303 | 88,78,828 | 14,22,529 | 57,395 | 21,24,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 502,716 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, ... | 473,208 | 3,95,111 | 58,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,669 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| | Totals up to date .. | 2,267,579 | 18,55,387 | 2,55,00,119 | 39,89,655 | 2,05,886 | 60,50,928 | 536 | 1,471,615 | 4 1 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, .. | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | 42,342 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,843 | 43,468 | 15,45,652 | 674 | 377,027 | 4 1 6 |
| 2,292·38 | ,, ,, 31st Aug. ... | 497,536 | 4,13,416 | 69,17,570 | 10,92,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| | Totals up to date ... | 2,430,589 | 20,10,838 | 3,22,55,422 | 48,13,982 | 1,86,240 | 70,11,060 | 663 | 1,741,975 | 4 0 5 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 31st July 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| al traffic for the week ... ... | 18,256 | 3,961 0 0 | 13,809 0 | 419 0 0 | 13 0 0 | 4,393 0 0 | 1,381 | 159 | 1,540 |
| per mile of railway ... ... | ... | 178 5 6 | ... | 18 13 10 | 0 9 4 | 197 12 8 | ... | ... | ... |
| previous 3⅞ weeks of half-year | 85,612 | 18,867 0 0 | 38,768 0 | 1,613 0 0 | 37 0 0 | 20,517 0 0 | 4,586 | 518 | 5,104 |
| Total for 4⅞ weeks ... | 103,868 | 22,828 0 0 | 52,577 0 | 2,032 0 0 | 50 0 0 | 24,910 0 0 | 5,967 | 677 | 6,644 |
| **Comparison.** | | | | | | | | | |
| al for corresponding week of revious year ... ... ... | 19,748 | 4,481 14 8 | 19,066 0 | 357 11 0 | 3 2 0 | 4,842 11 8 | 1,342 | 154 | 1,496 |
| mile of railway corresponding eek of previous year .. .. | ... | 201 12 9 | ... | 16 1 8 | 0 2 3 | 218 0 8 | ... | ... | ... |
| al for corresponding 4⅞ weeks f previous year ... ... .. | 122,114 | 27,864 11 2 | 1,05,293 0 | 2,144 7 0 | 30 13 6 | 29,979 15 8 | 6,294 | 704 | 6,998 |

## TARKESSUR BRANCH RAILWAY—*concluded*

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 12·21 | First 10 days of July ... | 39,186 | [illegible]346 | 14,902 | 647 | 14 | 10,077 | 450 | 2,112 | 4 11 10 |
| 12·21 | Week ended 17th ,, ... | 26,502 | 5,[illegible]5 | 11,793 | 400 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | ,, ,, 24th ,, ... | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | ,, ,, 31st ,, ... | 18,256 | 3,961 | 13,809 | 419 | 13 | 4,393 | 198 | 1,540 | 2 13 8 |
| | Totals up to date ... | 103,668 | 23,828 | 52,577 | 2,032 | 50 | 24,910 | 253 | 6,644 | 3 12 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded 1908.

| | | No. of passengers. | Rs | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th ,, ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | ,, ,, 25th ,, ... | 20,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | ,, ,, 1st August .. | 19,718 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| | Totals up to date ... | 122,112 | 27,805 | 1,05,293 | 2,144 | 31 | 29,980 | 295 | 6,908 | 4 5 5 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 31st July 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 29,850 | 21,989 0 0 | 1,26,441 0 | 9,290 0 0 | 114 0 0 | 31,393 0 0 | 10,134 | 2,728 | 12,862 |
| Or per mile of railway ... ... | ..... | 135 6 11 | ... | 57 3 6 | 0 11 3 | 193 5 8 | ... | ... | ..... |
| For previous 3½ weeks of half-year | 96,772 | 81,651 0 0 | 4,01,550 0 | 32,866 0 0 | 454 0 0 | 1,14,971 0 0 | 32,065 | 10,710 | 42,775 |
| Total for 4½ weeks ... | 1,26,622 | 1,03,640 0 0 | 5,27,991 0 | 42,156 0 0 | 568 0 0 | 1,46,364 0 0 | 42,199 | 13,438 | 55,637 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 27,129 | 20,101 13 4 | 2,28,869 10 | 15,659 6 7 | 27 0 [illegible] | 35,788 4 5 | 11,284 | 4,664 | 16,243 |
| Per mile of railway corresponding week of previous year. | ..... | 123 13 0 | ..... | 96 7 2 | 0 2 8 | 220 6 10 | ..... | ..... | ..... |
| Total for corresponding 4½ weeks of previous year. | 1,37,636 | 97,399 10 7 | 10,23,352 0 | 66,171 14 4 | 174 [illegible] 3 | 1,63,746 2 2 | 53,070 | 20,887 | 73,957 |

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 30,127 | 33,656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 10,326 | 2 14 4 |
| 162·36 | Week ended 17th ,, ... | 28,637 | 25,294 | 1,21,567 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | ,, ,, 24th ,, ... | 28,008 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| 162·36 | ,, ,, 31st ,, ... | 29,850 | 21,989 | 1,26,441 | 9,290 | 114 | 31,393 | 193 | 12,862 | 2 7 1 |
| | Totals up to date ... | 126,622 | 1,03,640 | 5,27,991 | 42,156 | 568 | 1,46,364 | 204 | 55,637 | 2 10 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,785 | 33,292 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th ,, ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,065 | 2 5 7 |
| 162·36 | ,, ,, 25th ,, ... | 29,531 | 21,315 | 2,04,369 | 13,134 | 36 | 34,485 | 212 | 16,085 | 2 2 4 |
| 162·36 | ,, ,, 1st Aug. ... | 27,129 | 20,102 | 2,28,169 | 15,659 | 27 | 35,788 | 220 | 16,248 | 2 3 3 |
| | Totals up to date ... | 137,636 | 97,400 | 10,23,352 | 66,171 | 175 | 1,63,746 | 221 | 73,957 | 2 3 5 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 31st July 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 55,000 | 35,000 0 0 | 323,000 0 | 46,500 0 0 | 2,000 0 0 | 83,500 0 0 | 14,254 | 18,018 | 32,302 |
| Or per mile of railway ... ... | 71·61 | 45·57 | 418·94 | 60·31 | 2·59 | 108·47 | 18·56 | 23·41 | 41·97 |
| For previous 4 weeks of half-year ... ... ... ... | 202,000 | 1,32,500 0 0 | 902,000 0 | 1,44,000 0 0 | 11,500 0 0 | 2,88,000 0 0 | 49,471 | 66,341 | 115,812 |
| Total for 5 weeks ... | 257,000 | 1,67,500 0 0 | 1,225,000 0 | 1,90,500 0 0 | 13,500 0 0 | 3 71 500 0 0 | 63,725 | 84,359 | 148,114 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 47,588 | 25,307 0 0 | 328,732 0 | 47,627 0 0 | 19 47 0 0 | 74,881 0 0 | 15,601 | 21,209 | 36,810 |
| Per mile of railway corresponding week of previous year ... | 61·96 | 32·95 | 426 37 | 61·77 | 2·53 | 97·25 | 20·31 | 27 51 | 47·82 |
| Total to corresponding date of previous year .. .. ... | 235,954 | 1,38,960 0 0 | 1,200,837 0 | 1,94,217 0 0 | 15,428 0 0 | 3,49,005 0 0 | 74,025 | 84,798 | 158,823 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 31st July 1909. | | | Receipts for week ending 1st August 1908 | | | Total receipts from 1st April 1909 to 31st July 1909. | | | Total receipts from 1st April 1908 to 1st August 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 83,500 | 108 47 | 771 | 74,884 | 97·25 | 771 | 15,25,515 | ... | 771 | 14,51,023 | ... | 74,492 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 31st July 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs (a) | Mds. | Rs. (b) | Rs. (c) | Rs. | | (d) | |
| Total traffic for the week on 1,870 miles open ... .. ... | 325,420 | 2,16,240 | 832,360 | 1,02,410 | 26,440 | 2,45,090 | 58,373 | 33,320 | 91,693 |
| Or per mile of railway ... ... | 174·02 | 62 16 | 444·04 | 54·76 | 14·14 | 131·06 | ..... | ..... | ..... |
| For previous 3¾ weeks of half-year ... ... .. ... | 1,181,350 | 4,35,660 | 3,334,770 | 4,04,870 | 75,800 | 9,16,330 | 200,641 | 129,616 | 330,257 |
| Total for 4¾ weeks ... | 1,506,770 | 5,51,900 | 4,166,130 | 5,07,280 | 1,02,240 | 11,61,420 | 259,014 | 162,936 | 421,950 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 334,752 | 1,27,618 | 931,225 | 1,05,486 | 20,706 | 2,53,810 | 59,032 | (e) 42,149 | 101,181 |
| Per mile of corresponding week of previous year ... ... ... | 186·91 | 71·25 | 519·95 | 58·90 | 11·56 | 141·71 | ... | ... | ..... |
| Total to corresponding date of previous year ... .. ... | 1,513,082 | 5,88,174 | 4,540,170 | 5,32,374 | 1,14,164 | 12,34,712 | 263,711 | 190 491 | 456,202 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... .. | | 1 99 | | 3·07 | ·29 | 2·87 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·16 | | 2·50 | ·20 | 2·51 | | | |

(a) Decrease under passengers due to heavy traffic last year.
(b) Ditto mainly under local which to a great extent is compensated for by an increase under foreign outwards with long lead.
(c) Increase chiefly under sundries.
(d) Includes 5,913 miles of ballast trains.
(e) Ditto 7,578 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 31st July 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 469,010 | 1,57,690 0 0 | (e)2,523,070 0 | (e)2,87,300 0 0 | (e)58,300 0 0 | (e)5,03,290 0 0 | 76,218 | (d)80,952 | 157,170 |
| Or per mile of railway ... ... | (a)349 | (a)117 0 0 | 1,685 0 | 192 0 0 | (c)29 0 0 | (c)326 0 0 | ... | ... | ... |
| For previous 4 weeks of half-year ... ... ... ... | 1,559,060 | 6,07,580 0 0 | 4,628,400 0 | 6,78,100 0 0 | 54,410 0 0 | 13,40,120 0 0 | 264,950 | 135,367 | 400,317 |
| Total for 5 weeks ... | 2,028,070 | 7,65,270 0 0 | 7,151,470 0 | 9,65,400 0 0 | 1,12,710 0 0 | 18,43,410 0 0 | 341,168 | 216,319 | 557,487 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 475,381 | 1,61,503 0 0 | 1,459,549 0 | 2,13,018 0 0 | 13,776 0 0 | 3,88,297 0 0 | 74,933 | 36,852 | 111,785 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)387 | (b)131 0 0 | 1,146 0 | 167 0 0 | 2 0 0 | 296 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 2,154,738 | 8,13,631 0 0 | 8,003,898 0 | 8,93,752 0 0 | 1,06,929 0 0 | 18,14,312 0 0 | 345,491 | 197,532 | 543,023 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding steamer earnings, Rs. 15,200.
(d) Includes ballast train-miles, 41,762 and earnings Rs. 23,000.
(e) Increase is due to inclusion in this week of certain adjustments at end of month.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 31st July 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 38,090 | 10,400 0 0 | 53,960 0 | 3,500 0 0 | 180 0 0 | 14,080 0 0 | 5,796 | (a)2,716 | 8,512 |
| Or per mile of railway ... | 443 | 121 0 0 | 627 0 | 41 0 0 | 2 0 0 | 164 0 0 | ... | ... | ... |
| For previous 4 weeks of half-year ... ... ... ... | 140,670 | 35,520 0 0 | 100,030 0 | 8,73[illegible] 0 | [illegible]960 0 0 | 45,2[illegible] 0 0 | 19,892 | 2,470 | 22,362 |
| Total for 5 weeks ... | 178,760 | 45,920 0 0 | 153,990 0 | 12,230 0 0 | 1,140 0 0 | 59,290 0 0 | 25,688 | 5,186 | 30,874 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 30,984 | 11,501 0 0 | 36,047 0 | 3,272 0 0 | 38 0 0 | 14,811 0 0 | 5,656 | 1,204 | 6,8[illegible] |
| Per mile of railway corresponding week of previous year .. | 465 | 134 0 0 | 419 0 | 38 0 0 | ..... | 172 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 215,175 | 55,247 0 0 | 302,034 0 | 15,358 0 0 | 1,343 0 0 | 71,948 0 0 | 25,876 | 7,509 | 33,385 |

(a) Includes ballast train-miles, 2,000.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 31st July 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,340 | 1,280 0 0 | 10,640 0 | 1,160 0 0 | 10 0 0 | 2,450 0 0 | 441 | (a)6,945 | 7,386 |
| Or per mile of railway ... ... | 99 | 38 0 0 | 495 0 | 35 0 0 | ..... | 73 0 0 | .. | ... | .. |
| For previous 4 weeks of half-year ... ... ... ... ... | 11,470 | 4,670 0 0 | 58,790 0 | 5,610 0 0 | 40 0 0 | 10,320 0 0 | 1,526 | 3,860 | 5,386 |
| Total for 5 weeks ... | 14,810 | 5,950 0 0 | 75,430 0 | 6,770 0 0 | 50 0 0 | 12,770 0 0 | 1,967 | 10,805 | 12,772 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,550 | 1,407 0 0 | 20,052 0 | 1,823 0 0 | 3 0 0 | 3,233 0 0 | 441 | 819 | 1,260 |
| Per mile of railway corresponding week of previous year ... | 106 | 42 0 0 | 597 0 | 54 0 0 | ..... | 96 0 0 | . | ... | .. |
| Total to corresponding date of previous year ... ... ... | 16,745 | 6,653 0 0 | 100,019 0 | 8,692 0 0 | 62 0 0 | 15,407 0 0 | 2,030 | 8,313 | 10,343 |

(a) Includes ballast train-miles, 6,104.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 31st July 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 11,160 | 3,490 0 0 | 30,650 0 | 1,620 0 0 | 20 0 0 | 5,130 0 0 | 2,310 | (a) 288 | 2,598 |
| Or per mile of railway ... ... | 207 | 65 0 0 | 568 0 | 30 0 0 | ..... | 95 0 0 | ... | ... | ... |
| For previous 4 weeks of half-year ... ... ... ... | 37,700 | 11,420 0 0 | 90,130 0 | 5,160 0 0 | 70 0 0 | 16,650 0 0 | 7,920 | 1,220 | 9,140 |
| Total for 5 weeks ... | 48,860 | 14,910 0 0 | 120,780 0 | 6,780 0 0 | 90 0 0 | 21,780 0 0 | 10,230 | 1,508 | 11,738 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 15,270 | 4,456 0 0 | 27,702 0 | 1,578 0 0 | 26 0 0 | 6,060 0 0 | 1,981 | 377 | 2,358 |
| Per mile of railway corresponding week of previous year ... | 283 | 83 0 0 | 513 0 | 29 0 0 | ..... | 112 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 58,856 | 17,730 0 0 | 97,780 0 | 5,515 0 0 | 111 0 0 | 23,356 0 0 | 9,149 | 1,459 | 10,608 |

(a) Ballast train-miles, *Nil*.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ending 7th August 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 573,330 | 1,74,670 0 0 | 1,370,940 0 | 2,36,780 0 0 | 15,000 0 0 | 4,26,450 0 0 | 76,896 | (d) 40,767 | 117,663 |
| Or per mile of railway ... ... | (a) 426 | (a) 130 0 0 | 916 0 | 158 0 0 | (c) 1 0 0 | (c) 178 0 0 | ..... | ..... | ..... |
| For previous 5 weeks of half-year ... ... ... ... | 2,028,070 | 7,65,270 0 0 | 7,151,470 0 | 9,65,400 0 0 | 1,12,740 0 0 | 18,43,410 0 0 | 341,168 | 216,319 | 557,487 |
| Total for 6 weeks ... | 2,601,400 | 9,39,940 0 0 | 8,522,410 0 | 12,02,180 0 0 | 1,27,740 0 0 | 22,69,860 0 0 | 418,064 | 257,086 | 675,150 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 619,791 | 1,87,923 0 0 | 1,519,133 0 | 2,54,331 0 0 | 12,831 0 0 | 4,55,085 0 0 | 73,442 | 41,129 | 114,571 |
| Per mile of railway corresponding week of previous year (1,276 miles) ... ... ... | (b) 504 | (b) 153 0 0 | 1,192 0 | 200 0 0 | 1 0 0 | 348 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. | 2,774,529 | 10,01,554 0 0 | (e) 9,523,031 0 | 111,48,083 0 0 | 1,19,760 0 0 | 22,69,397 0 0 | 418,933 | 238,661 | 657,594 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding Steamer earnings, Rs. 13,100.
(d) Excluding ballast train-miles, Rs. 10,610.
(e) Includes heavy weights for Revenue stores and Loco. coal.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 7th August 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 38,860 | 10,290 0 0 | 37,870 0 | 2,730 0 0 | 160 0 0 | 13,180 0 0 | 5,208 | (a) 682 | 5,890 |
| Or per mile of railway ... | 452 | 119 0 0 | 440 0 | 32 0 0 | 2 0 0 | 153 0 0 | ..... | ..... | ..... |
| For previous 5 weeks of half-year ... ... ... ... | 178,760 | 45,920 0 0 | 153,990 0 | 12,230 0 0 | 1,140 0 0 | 59,290 0 0 | 25,688 | 5,186 | 30,874 |
| Total for 6 weeks ... | 217,620 | 56,210 0 0 | 191,860 0 | 14,960 0 0 | 1,300 0 0 | 72,470 0 0 | 30,896 | 5,868 | 36,764 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 53,699 | 12,042 0 0 | 40,446 0 | 4,026 0 0 | 55 0 0 | 16,123 0 0 | 5,656 | 1,280 | 6,936 |
| Per mile of railway corresponding week of previous year ... | 624 | 140 0 0 | 575 0 | 47 0 0 | ..... | 187 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 268,874 | 67,289 0 0 | 351,500 0 | 19,384 0 0 | 1,398 0 0 | 88,071 0 0 | 31,532 | 8,789 | 40,321 |

(a) Excluding ballast train-miles, 500.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 7th August 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,150 | 1,240 0 0 | 13,560 0 | 1,090 0 0 | 10 0 0 | 2,340 0 0 | 462 | (a) 798 | 1,260 |
| Or per mile of railway .. ... | 94 | 37 0 0 | 404 0 | 33 0 0 | ..... | 70 0 0 | ..... | ..... | ..... |
| For previous 5 weeks of half-year ... ... ... ... | 14,810 | 5,950 0 0 | 75,430 0 | 6,770 0 0 | 50 0 0 | 12,770 0 0 | 1,967 | 10,805 | 12,772 |
| Total for 6 weeks ... | 17,960 | 7,190 0 0 | 88,990 0 | 7,860 0 0 | 60 0 0 | 15,110 0 0 | 2,429 | 11,603 | 14,032 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,628 | 1,517 0 0 | 24,956 0 | 2,385 0 0 | 11 0 0 | 3,913 0 0 | 462 | 798 | 1,260 |
| Per mile of railway corresponding week of previous year ... | 108 | 45 0 0 | 743 0 | 71 0 0 | ..... | 116 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... . | 20,373 | 8,170 0 0 | 124,975 0 | 11,077 0 0 | 73 0 0 | 19,320 0 0 | 2,492 | 9,111 | 11,603 |

(a) Excluding ballast train-miles, 1,350.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 7th August 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 10,230 | 3,150 0 0 | 32,620 0 | 1,530 0 0 | 30 0 0 | 4,700 0 0 | 1,540 | (a)352 | 1,892 |
| Or per mile of railway ... ... | 189 | 58 0 0 | 604 0 | 28 0 0 | 1 0 0 | 87 0 0 | ..... | ..... | ..... |
| For previous 5 weeks of half-year ... ... ... ... | 48,860 | 14,910 0 0 | 120,780 0 | 6,780 0 0 | 90 0 0 | 21,780 0 0 | 10,230 | 1,508 | 11,738 |
| Total for 6 weeks ... | 59,090 | 18,060 0 0 | 153,400 0 | 8,300 0 0 | 120 0 0 | 26,480 0 0 | 11,770 | 1,860 | 13,630 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 15,362 | 4,745 0 0 | 41,555 0 | 2,070 0 0 | 35 0 0 | 6,850 0 0 | 1,968 | 534 | 2,502 |
| Per mile of railway corresponding week of previous year ... ... | 284 | 88 0 0 | 770 0 | [illegible] 0 0 | 1 0 0 | 127 0 0 | ..... | ..... | .... |
| Total to corresponding date of previous year ... . ... | 74,218 | 22,476 0 0 | 130,335 0 | 7,[illegible]5 0 0 | 145 0 0 | 30,206 0 0 | 11,117 | 1,993 | 13,110 |

(a) Ballast train-miles, nil.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 7th August 1909 ... | Coaching ... | 5,307 0 0 | 12,734 0 0 |
| | Goods ... | 7,414 0 0 | |
| | Other earnings ... | 73 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 6,073 0 0 | 15,989 0 0 |
| | Goods ... | 9,836 0 0 | |
| | Other earnings ... | 80 0 0 | |
| | Decrease | ... | 3,195 0 0 |
| Receipts per mile for the week ending 7th August 1909 ... | ... | ... | 350 13 10 |
| Ditto for the corresponding period of 1908 ... | ... | ... | 313 8 2 |
| | Decrease | ... | 62 10 4 |
| Receipts from 1st July to 7th August 1909 ... | ... | ... | 89,373 0 0 |
| Ditto for the corresponding period of 1908 ... | ... | ... | 82,222 0 0 |
| | Increase | ... | 7,151 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 18th August 1909.

REGISTERED No. C 209.]

No. 34 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, AUGUST 25, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the Gazette may receive the Supplement separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.


| | Page |
|---|---|
| Final Report on the Cotton Crops of Bengal, August 1909 | 1215—1221 |
| Preliminary Forecast of the Sugarcane Crop of Bengal, 1909 | 1222—1228 |
| Final Forecast of the early variety of the Sesamum (*til*) crop of Bengal for the year 1909-10 | 1229—1235 |
| Weather and Crop Report for the week ending the 23rd August 1909 | 1236—1241 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th August 1909 | 1242—1249 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the months of April and May 1909 | 1250—1256 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 21st August 1909 | 1257 |
| Area [illegible] for Irrigation up to end of July 1909 | 1258—1259 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st August 1909 | 126[illegible] |
| Railway Returns | 1261—126[illegible] |


## FINAL REPORT ON THE COTTON CROPS OF BENGAL, AUGUST 1909.

THE following report is published for general information.

C. G. H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 17th August 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FIRST REPORT ON THE COTTON CROPS OF BENGAL, AUGUST 1909.

(On an average of the five years ending 1907-08, the area under the cotton crop in the territory to which this forecast relates has represented some 0·35 per cent. of the total area under cotton in India).

*Explanatory.*—This report deals with the area sown and the prospects of the early crop and gives a brief summary of the progress of sowings of the late crop.

*Character of the season.*—The early crop is important in the Sonthal Parganas, Manbhum, Singhbhum, Sambalpur, Ranchi and Angul. The late crop is chiefly cultivated in North Bihar. Saran has an area under this crop amounting to almost half of the total late cotton area. Sowings of both varieties were effected in the normal season. The early crop which is generally sown before the rainy season is doing well. Fair progress has been made in sowings of the late crop in North Bihar, but in Bankura, Cuttack, Balasore and Angul the crop has not yet been sown. Some damage has been done to the crops in Shahabad by floods.

*Area sown.*—The area sown with the early crop is estimated at 34,193 acres as against 31,230 acres estimated last year.

Sowings of the late cotton crop have not yet been completed. The area sown up to now is reported to be 27,582 acres as against 28,760 acres given in the first forecast of the cotton crops issued in August last. The area under the crop as shown in the final cotton forecast of 1908 was 32,869 acres.

W. R. GOURLAY,

*Offg. Director of Agriculture, Bengal.*

CALCUTTA,

*The 6th August 1909.*

## *First Report on the Cotton Crops of Bengal, August 1909.*

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Average area in acres under cotton of preceding | | Figures from the Cadastral Survey. | | | Date at which the sowing of the crops was begun this year. | Brief remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
| | | | | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | | | |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Bankura ... | Early cotton ... | 300 | 200 | 332* | 332* | 16,348 | 1887 to 1902 and 1906-07. | ..... | 10th May | The general condition of the crop is good. Sowing of late cotton has not yet begun. The date of sowing was normal. | |
| | Late cotton ... | ..... | 1,400 | 1,660 | 1,680 | | | | | | |
| Midnapore ... | Early cotton ... | 1,700 | 1,700 | 1,780 | 1,810 | 35,342 | 1883 to 1898 | 338 | Latter part of May, Middle of July in the Sadar Subdivision and March in Contai and September in Tamluk. | The general condition of the crops is fair. The date of sowing of early variety was early and that of late variety normal. | |
| | Late cotton ... | 550 | 620 | 1,620 | 1,850 | | | | | | |
| Patna ... | Early cotton ... | ..... | ..... | ..... | ..... | 73,164 | 1900 to 1901 | 5 | 3rd week of June. | The weather has been favourable and the general condition of the crop is good. The date of sowing this year was normal. | |
| | Late cotton ... | 1,000 | 1,000 | 1,280 | 1,350 | | | | | | |
| Shahabad ... | Early cotton ... | 500 | 520 | 201† | 201† | ..... | ..... | ..... | July | The general condition of the crop is not satisfactory. In the Sadar Subdivision the crops have been damaged to a certain extent by floods. The date of sowing was normal. | |
| | Late cotton ... | 560 | 565 | 856‡ | 856‡ | | | | | | |

* Average of two preceding years only.
† " three " "
‡ " four " "

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Average area in acres under cotton of preceding | | Figures from the Cadastral Survey. | | | Date at which the sowing of the crops was begun this year. | Brief remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
| | | | | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | | | |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Saran ... | Early cotton ... | 900 | 900 | 542* | 542* | 2,633,435 | 1893 to 1901 | 14,839 | Middle of June. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal. | |
| | Late cotton ... | 13,400 | 12,900 | 13,635 | 17,957 | | | | | | |
| Champaran ... | Early cotton ... | 141 | 163 | 167† | 167† | 4,259,840 | 1892 to 1899 | 2,094 | 1st week of April. 15th May. | The weather is good and the general condition of the crop is fair. The date of sowing was normal. The cultivation of the crops is not considered profitable by the cultivators, hence the decrease in the area sown. | |
| | Late cotton ... | 161 | 237 | 1,357 | 1,808 | | | | | | |
| Muzaffarpur ... | Early cotton ... | ... | ... | ... | ... | 1,942,400 | 1891 to 1892 and 1899 to 1900. | 6,109 | 1st week of June. | The weather is seasonable and the general condition of the crop is good. The date of sowing was normal. | |
| | Late cotton ... | 4,000 | 4,000 | 4,857 | 5,268 | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Darbhanga ... | Early cotton ... | 155 | 137 | 87* | 87* | 2,142,690 | 1896 to 1903 | 2,300 | February and March in the Madhubani Subdivision, and June in the Sadar and Samastipore Subdivisions. | The weather is good and the condition of the crop is promising. The date of sowing was normal this year. |
| | Late cotton ... | 3,890 | 3,927 | 2,897 | 3,898 | | | | | |
| Monghyr ... | Early cotton ... | 140 | 135 | 114 | 247 | 985,552 | 1901 to 1904 | Not surveyed | June ... | The general condition of the crops is fair. The date of sowing was normal. |
| | Late cotton ... | 150 | 150 | 268 | 564 | | | | | |
| Bhagalpur ... | Early cotton ... | 320 | 320 | 324 | 4,723 | 3,403,764 | 1902 to 1904 | 402 | June ... | The weather and general condition of the crop is fair. The date of sowing was normal. |
| | Late cotton ... | 82 | 50 | 163 | 1,191 | | | | | |
| Sonthal Parganas. | Early cotton ... | 10,500 | 10,500 | 10,620 | 10,840 | 3,272,000 | 1889 to 1903-1904. | 16,902 | From May | The weather is favourable and the general condition of the crop is good. The date of sowing this year was normal. |
| | Late cotton ... | ..... | ..... | ..... | ..... | ..... | | | | |
| Cuttak ... | Early cotton ... | 400 | 400 | 1,300 | 2,190 | 2,058,437 | 1887 to 1895 and 1899 to 1907. | 2,604 | 1st to 23rd June. | The weather is favourable and the general condition of the crop is good. The date of sowing was normal this year. Sowing of late cotton has not yet begun. |
| | Late cotton ... | ..... | 2,800 | 300 | 3,750 | | | | | |
| Balasore ... | Early cotton ... | 63 | 63 | 68 | 354 | 1,095,778 | 1891 to 1892 and 1894 to 1895. | 111 | 1st week of June. | The weather and general condition of the crop is good. Sowing of late cotton has not yet begun. The date of sowing of the early crop was normal this year. |
| | Late cotton ... | ..... | 200 | 200 | 170 | | | | | |

* Average of three preceding years only.
† Figures for 1907 only.

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Average area in acres under cotton of preceding | | Figures from the cadastral survey. | | | | | |
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Brief remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Angul ... ... | Early cotton ... | 3,300 | 1,500 | 2,000 | 2,159 | 579,328 | 1888 to 1889 and 1905 to 1908. | ..... | Middle of June. | The weather has been favourable. The date of sowing was normal. Cotton is not grown in the Khondmal Subdivision. Figures in Column 6 have been taken from the Settlement report. | |
| | Late cotton ... | ..... | 500 | 1,414* | 1,414 | | | | | | |
| Puri ... ... | Early cotton ... | 130 | 208 | 644 | 1,922 | 1,274,790 | 1890 to 1900 ... | 433 | June and July. December 1908 and January 1909. | The condition of the crop is fair. The date of sowing was normal. | |
| | Late cotton ... | 289 | 290 | 342 | 1,560 | | | | | | |
| Sambalpur ... | Early cotton ... | 2,200 | 3,216 | 7,378 | 6,359 | 2,447,360 | 1884 to 1887 and 1891 to 1897. | 30,831 | 8th June ... | Last year's area was only an estimate but now the actual area has been given after careful checking. The weather has been favourable and the date of sowing was normal. Present prospects of the crop seem to be fair. | |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Hazaribagh ... | Early cotton ... | 969 * | 918 | 1,310 | 3,555 | ..... | ..... | ..... | June ... | The weather and general condition of the crop is good. The date of sowing was normal. |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | |
| Ranchi ... | Early cotton ... | 2,500 | 2,800 | 2,220 | 3,130 | The district is being cadastrally surveyed | | | Latter part of June. | The weather is favourable. The general condition of the crop is good. The date of sowing was normal. |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | |
| Palamau ... | Early cotton ... | 575 | 550 | 1,630 | 4,180 | 187,520 | 1896 to 1897 | 1,434 | Second half of June. | The weather and general condition of the crop is favourable. The date of sowing was early. |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | |
| Manbhum ... | Early cotton ... | 5,100 | 4,000 | 4,640 | 6,[illegible] | Not cadastrally surveyed | | | 1st part of June. End of June and beginning of July. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal this year. The decrease in the acreage under late cotton is due to larger cultivation of the early crop. |
| | Late cotton ... | 500 | 1,200 | 1,040 | [illegible] | | | | | |
| Singhbhum ... | Early cotton ... | 4,000 | 4,000 | 4,000 | 4,550 | 1,761,967 | 1895 to 1897 and 1900 to 1903. | 1,813 | May and June. July. | The general condition of the crop is fair. The date of sowing was normal. |
| | Late cotton ... | 3,000 | 3,000 | 3,000 | 2,650 | | | | | |
| Total ... ... | Early cotton ... | 34,193 | 31,230 | 39,427 | 54,028 | ..... | ..... | ..... | ..... | |
| | Late cotton ... | 27,582 | 32,869 | 37,869 | 47,176 | | | | | |

* Average for 7 years.

## PRELIMINARY FORECAST OF THE SUGARCANE CROP OF BENGAL FOR 1909.

THE following note is published for general information.

C. G. H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 18th August 1909.*

### DEPARTMENT OF AGRICULTURE, BENGAL.

PRELIMINARY FORECAST OF THE SUGARCANE CROP OF BENGAL, 1909.

(On an average of the five years ending 1907-08, the area under sugarcane in the territory to which this forecast relates has represented some 18·1 per cent. of the total area under this crop in British India.)

*Character of the season.*—Sugarcane is grown chiefly in Bihar. In the districts north of the Ganges, it is grown without irrigation, while in those on the south of the river as also in other parts of the Province, frequent irrigation is generally necessary in the hot months. In Lower Bengal and Bihar, the rainfall was defective at the time of planting and at the early part of the growth of the crop. Planting in these tracts, though commenced in normal time, was retarded in places, and the growth of the crop was affected for want of timely rain. The rain that followed, however, improved its condition which is reported to be good at present. In Orissa and Chota Nagpur, the weather conditions were generally favourable.

*Area planted.*—The area planted with sugarcane this year is estimated at 353,700 acres against 375,200 acres estimated to have been cultivated last year. The normal area under the crop has been shown as 430,200 acres. The decrease in the area planted this year is due to want of moisture at the time of planting.

*Outturn.*—From the district reports attached to this note, it will be seen that in two districts, viz., Sambalpur and the Sonthal Parganas, crops of 105 per cent. are expected to be harvested. Balasore, Angul, Ranchi and Palamau estimate 100 per cent. crops. Eight districts report from 90 to 99 per cent. crops, five districts from 80 to 89 per cent. and eight districts from 70 to 79 per cent. crops. In the remaining six districts, estimates of outturn are reported as follows :—Saran (69 per cent.), Darjeeling (65 per cent.), Patna (63 per cent.), Champaran (62 per cent.), Birbhum (60 per cent.) and Murshidabad (54 per cent.).

According to these estimates the total outturn of the crop for the Province amounts to 81 per cent. of the normal against 62 per cent. estimated for last year.

*Other sources of gúr.*—The quantity of *gúr* likely to be obtained from the juice of the date palm is estimated at 1,346,137 cwts. and the output of sugar from the palmyra palm is estimated at 15,309 cwts.

N. N. BANERJEA,
for *Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 13th August 1909.*

## *Preliminary Forecast of the Sugarcane Crop of 1909.*

| Division. | District. | Total area of district, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under sugarcane, in acres. | Approximate area under sugarcane last year (1908), in acres. | Estimated area under sugarcane this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under the crop during the cadastral survey. | Date at which the planting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Burawan ... | Burdwan ... | 1,721,990 | 1,284,200 | 25,800 | 22,900 | 24,000 | 62 | 84 | 85,226 | 1889 to 1892 and 1903-04 to 1907-08. | 530 | April and May. | The weather was favourable and the general condition of the crop is good. The area and outturn are below the normal for want of sufficient cuttings and for want of moisture at the planting season. The date of planting was slightly late in the Kalna and Asansol Subdivisions. |
| | Birbhum .. | 1,121,280 | 756,700 | 9,000 | 6,900 | [illegible] | 50 | 60 | 45,571 | 1889 to 1891 and 1906. | 164 | From the middle of May to the second week of June. | At the time of planting, there was sufficient rain, and the date of planting was normal. The condition of the crop is promising. |
| | Bankura ... | 1,677,440 | 642,800 | 15,000 | 12,000 | 11,000 | 50 | 75 | 16,348 | 1889 to 1902, 1906 and 1907. | ... | 14th May ... | The decrease in the acreage and outturn is due to excessive rain during the planting season. The date of planting was late. |
| | Midnapore ... | 3,319,040 | 2,190,600 | 20,300 | 16,900 | 16,900 | 60 | 73 | 33,342 | 1893 to 1898. | 372 | From the beginning of February to the first week of April. | The weather was favourable and the general condition of the crop is good everywhere. The date of planting was early in the Tamluk Subdivision and normal in the other subdivisions. |

| Division. | District. | Total area of district, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under sugarcane, in acres. | Approximate area under sugarcane last year (1908), in acres. | Estimated area under sugarcane this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under crop during the cadastral survey. | Date at which the planting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Burdwan—*concld.* | Hooghly ... | 761,210 | 445,900 | 7,200 | 6,700 | 1,600 | 33 | 96 | Not cadastrally surveyed. | | | Middle of March. | The general condition of the crop is good owing to favourable weather and to good rain. The date of planting was normal. | |
| | Howrah ... | 226,400 | 250,600 | 8,500 | 8,000 | 7,000 | 56 | 73 | ... | ... | ... | March ... | The decrease in the area planted is due to the cessation of rain during the planting season. The rainfall in May and June has improved the condition of the crop very much. A better outturn is expected than that of last year. The date of planting was normal this year. | |
| | 24-Parganas... | 3,100,533 | 1,066,700 | 5,100 | 3,200 | 4,000 | 59 | 80 | ... | ... | ... | From November 1908 to March 1909. | The weather was not favourable in the district, the Sadar Subdivision excepted. The general condition of the crop is good at the Barrackpur Subdivision and fair at the Barasat, Basirhat and Sadar Subdivisions. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Presidency ... | Nadia ... | 1,787,520 | 1,043,300 | 11,400 | 6,300 | 6,300 | 66 | 72 | Not cadastrally surveyed | | | February | The weather has been favourable and the general condition of the crop is good. The date of planting was normal. |
| | Murshidabad | 1,371,520 | 955,500 | 14,700 | 3,000 | 8,900 | 48 | 54 | ... | ... | ... | March | The weather was not favourable. The general condition of the crop is fair. The date of sowing was normal. |
| | Jessore ... | 1,872,153 | 1,191,[illegible] | 15,000 | 3,100 | 1,900 | 52 | 70 | ... | ... | ... | From 1st October 1908 to 1st April 1909. | The decrease in the area sown is due to want of rain at the time of planting. The weather was favourable. The general condition of the crop is good. The date of planting was late except in the Magura Subdivision, where it was normal. |
| | Khulna ... | 3,049,016 | 870,000 | 1,500 | 1,200 | 1,[illegible]00 | 75 | 97 | 130,766 | 1903-04 to 1907-08. | 33 | 1st February. | The weather and general condition of the crop are favourable. The date of planting was normal. The increase in the area is due to the introduction of sugarcane cultivation in the Sadar Subdivision. The outturn is estimated to be 97 per cent. for want of seasonable rain. |
| Patna ... | Patna ... | 1,328,000 | 1,082,100 | 20,200 | 18,700 | 13,[illegible]0 | 72 | 63 | 73,164 | 1900 to 1901. | 296 | Between January and March. | The weather was unfavourable in the beginning of the season. The general condition of the crop is now good. The date of planting was normal except in the Dinapur and Barh Subdivisions. |
| | Gaya ... | [illegible]815,630 | 2,118,100 | 36,100 | 36,400 | 36,600 | 77 | 91 | 517,900 | 1893 to 1895, 1900-1902 to 1907-08. | 6,535 | Second week of January. | The weather has been favourable. The general condition of the crop is good. The date of planting was normal. |
| | Shahabad ... | 2,800,843 | 1,843,600 | 45,900 | 40,000 | 40,200 | 80 | 79 | ... | ... | ... | 15th March. | The prospects of the crop seem to be favourable. The date of planting was |

| Division. | District. | Total area of the district, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under sugarcane, in acres. | Approximate area under sugarcane last year (1908), in acres. | Estimated area under sugarcane this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the cadastral survey. | Date at which the planting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Tirhut ... | Saran ... | 1,711,286 | 1,357,200 | 36,500 | 36,900 | [illegible],200 | 40 | 69 | 1,711,286 | 1893 to 1901. | 36,500 | From January to March. | The weather has been seasonable. The general condition of the crop is fair. The date of sowing was normal. There was little moisture at the time of planting, but subsequent rain in April improved the prospects of the crop. | |
| | Champaran ... | 2,259,840 | 1,447,600 | 10,300 | 16,000 | 12,[illegible]90 | 62 | 62 | 2,079,815 | 1892 to 1899. | 11,155 | Beginning of February. | The decrease in the acreage is due to drought at the planting season. The weather is, at present, favourable. The drought hindered the germination of the crop in several places and the outturn is expected to be 62 per cent. for the whole district. The date of planting was normal. | |
| | Muzaffarpur... | 1,942,400 | 1,637,[illegible] | 8,[illegible] | 11,000 | 8,000 | 50 | 90 | 1,941,254 | 1891-1892 and 1899-1900. | 8,765 | From December to March. | The weather was favourable and the general condition of the crop is good. The recent rain has done much good to the crop. The date of planting was normal. | |
| | Darbhanga ... | 2,142,690 | 1,678,000 | 17,000 | 19,000 | 15,200 | 34 | 86 | 2,142,690 | 1896 to 1903. | 17,000 | January and February in Sadar, March in Samastipur and October in the Madhubani Subdivisions. | The weather has been favourable. The general condition of the crop is good. The date of planting was late in the Samastipur Subdivision. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bhagalpur ... | Monghyr ... | 2,510,080 | 1,882,800 | 6,900 | 7,000 | 7,100 | 59 | 74 | ... | ... | ... | February | The date of planting was normal. The weather and general condition of the crop appear to be favourable. |
| | Bhagalpur ... | 2,704,640 | 2,073,300 | 20,300 | 20,300 | 20,300 | 49 | 90 | 1,214,080 | 1902 to 1904. | 3,700 | 15th January | The weather has been favourable and the general condition of the crop is good. The date of planting was normal. |
| | Purnea ... | 3,128,183 | 1,694,400 | 12,400 | 11,900 | 6,400 | 44 | 75 | 2,506,346 | 1901-1902 to 1905-1906. | 27 | March ... | The decrease in the acreage is due to want of sufficient cuttings especially in the Kishanganj Subdivision. The condition of the crop is not favourable on account of heavy rain in the beginning of the season. The planting this year was done at the normal time |
| | Darjeeling ... | 744,956 | 166,600 | 1,200 | 100 | 100 | 65 | 65 | 200,519 | 1897-1898 and 1901-1902. | ... | Last week of February. | The date of planting was normal. The crop suffered from drought at its early stage; hence the prospects are not very favourable. |
| | Sonthal Parganas. | 3,500,850 | 1,545,300 | 13,400 | 13,800 | 13,800 | 73 | 105 | 2,756,180 | 1889 to 1903. | 11,327 | Middle of October. | The weather was favourable, and the general condition of the crop is good. The date of planting was normal. |
| Orissa ... | Cuttack ... | 2,233,560 | 1,223,500 | 3,100 | 2,200 | [illegible] | 63 | 94 | 2,088,437 | 1888-1895 to 1901-1907. | 1,909 | Between 7th February to 22nd April. | The weather was favourable. The general condition of the crop is good. The date of planting was normal. |
| | Balasore ... | 1,334,388 | 932,200 | 2,900 | 2,100 | 2,100 | 100 | 100 | 1,095,778 | 1891-1892 to 1894-1895. | 471 | April ... | The weather has been favourable and the general condition of the crop is good. The date of planting was normal. |
| | Angul ... | 1,075,840 | 263,000 | 3,300 | 2,300 | 2,300 | 77 | 100 | ... | ... | ... | End of February. | The weather has been favourable. The date of planting was normal. |
| | Puri ... | 1,899,360 | 750,200 | 3,100 | 2,400 | 3,000 | 80 | 86 | 1,347,790 | 1890-1900. | 612 | February, March and April. | The decrease in area is due to want of timely rain. The date of planting was normal. |

| Division. | District. | Total area of the district, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under sugarcane, in acres. | Approximate area under sugarcane, last year (1908), in acres. | Estimated area under sugarcane this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the planting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Orissa—*contd.* | Sambalpur ... | 2,447,360 | 945,300 | 3,700 | 3,600 | [illegible] | 75 | 105 | 2,447,360 | 1884-1887 and 1891-1897. | 6,460 | 5th March... | The area in Column 6 was only an estimate given last year, but now the actual area has been given after careful checking. The weather was favourable and the condition of the crop is good. The date of planting was normal. | |
| | Hazaribagh ... | 4,423,440 | 1,703,000 | 35,600 | 24,900 | 25,800 | 82 | 97 | ... | ... | ... | January ... | The weather has been favourable and the general condition of the crop is good. | |
| | Ranchi ... | 4,561,920 | 1,[illegible] | 300 | 300 | [illegible] | 100 | 100 | The district is being cadastrally surveyed. | | | 1st week of April. | The date of planting was normal and the weather has been favourable. | |
| Chota Nagpur. | Palamau ... | 3,144,960 | 627,[illegible] | 4,200 | 3,000 | 3,000 | 70 | 100 | 97,520 | 1896-1897. | 387 | February ... | The date of planting was normal. The weather was favourable and the general condition of the crop is good. | |
| | Manbhum ... | 2,654,080 | 1,419,[illegible] | 12,500 | 12,200 | 12,100 | 75 | 80 | Not cadastrally surveyed | | | March ... | There was very little rain at the time of planting. The rainfall in May and June has improved the condition of the crop. The date of planting was normal. | |
| | Singhbhum ... | 2,492,240 | 840,700 | 1,000 | 600 | 600 | 94 | 90 | 1,761,984 | 1895-1897 and 1900-1902. | 90 | Last week of April. | The weather was favourable. The date of sowing was delayed somewhat for want of rain. | |
| | Total ... | 74,105,598 | 39,[illegible],500 | 430,200 | 375,200 | 353,700 | 62 | 81 | ... | ... | ... | ... | | |

## FINAL FORECAST OF THE EARLY VARIETY OF THE SESAMUM (*TIL*) CROP OF BENGAL FOR THE YEAR 1909-10.

THE following note is published for general information.

C. G. H. ALLEN,

*Offg. Chief Secy. to the Govt. of Bengal.*

*The 19th August 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FINAL FORECAST OF THE EARLY VARIETY OF THE SESAMUM (*til*) CROP OF BENGAL FOR THE YEAR 1909-10.

(On an average of the five years ending 1907-08, the area under *til* in the territory to which this forecast relates has represented some 5·7 per cent. of the total area under this crop in British India.)

*Character of the season.*—Of the 24 districts in which the crop is cultivated, Midnapur, Angul, Manbhum, Singhbhum, Jessore, Shahabad and Burdwan are the most important. In Angul, Singhbhum and also in Gaya, sowings begin generally in August and acreages sown with the crop in these three districts are not yet available. In most of the districts, it was found that the soil lacked moisture at the time of sowing. In Jessore only, a very small area could be sown and in Bhagalpur, the crop was not sown. The season was on the whole unfavourable.

*Area sown.*—The total area sown with the crop is estimated at 35,800 acres (exclusive of the areas in Gaya, Angul and Singhbhum for which estimates are not now available). The area sown last year amounted to 50,000 acres. The normal area under the crop is returned as 63,400 acres.

*Outturn.*—In Sambalpur alone, more than a normal crop is expected. The 24-Parganas report a 100 per cent. crop. In four districts, the crops vary from 90 to 99 per. cent. and in five districts, they are between 71 and 77 per cent. In nine districts, crops are estimated to be between 40 to 69

per cent. According to the returns of District Officers, the total outturn for the Province works out to 72 per cent. of a normal crop against 70 per cent., which was the estimate shown last year.

N. N. BANERJEI,

for *Offg. Director of Agriculture, Bengal.*

CALCUTTA,

*The 13th August 1909.*

*Final forecast of the early variety of the* Til *crop of Bengal for 1909-10.*

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represents the normal outturn, how much will represent this year's outturn (1909-10) | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | | |
| Burdwan ... | 1,721,990 | 1,284,200 | Beginning of March. | 3,300 | 3,200 | 3,100 | [illegible]00 | 99 | 35,226 | 1889-92 and 1903-04 to 1907-08. | *115 | End of June. | There was want of seasonable rain at the beginning. The general condition of the crop, however, was good. The date of sowing was normal and that of harvesting slightly early. | |
| Birbhum ... | 1,121,280 | 786,700 | Beginning of March. | 400 | 600 | 300 | 3[illegible] | 40 | 45,571 | 1889 to 1891 and 1906. | ... | 3rd week of June. | The weather was not favourable owing to the cessation of rain. The condition of the crop was in consequence not good. The date of sowing was late. | |
| Bankura ... | 1,677,440 | 642,[illegible] | 1st March | 2,700 | 3,000 | 2,500 | 50 | 60 | 16,348 | 1889 to 1902 and 1906-07. | Not known. | 10th June 1909. | The weather was not favourable. Want of rain affected the crops. The date of harvesting was normal. | |

* Represents all kinds of *til*.

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10)? | Figures from the Cadastral Survey. | | | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | | |
| Midnapore ... | 3,319,040 | 2,190,600 | January to March. | 13,830 | 10,600 | 12,600 | 67 | 63 | 33,342 | 1893 to 1895 | 110 | March at Contai, April at Tamluk, May at Sadar and June at Ghatal. | The weather was not favourable. The general condition of the crop is not good in the Sadar and Ghatal Subdivisions. It is good in the Tamluk and Contai Subdivisions. The date of sowing was normal in the Sadar and Contai Subdivisions and late in the Tamluk and Ghatal Subdivisions. The date of harvesting was early in the Sadar Subdivision and normal in the other subdivisions. | |
| Hooghly ... | 761,210 | 445,900 | Latter part of March | 1,000 | 1,000 | 1,000 | 50 | 90 | Not cadastrally surveyed. | | | Beginning of June. | The weather was not favourable at the time of sowing and sowings were delayed in consequence. Subsequent rain improved the condition of the crops. The date of harvesting was normal. | |
| Howrah ... | 335,400 | 250,600 | January | 300 | 200 | 100 | 54 | 50 | ... | ... | ... | ... | The general condition of the crop was not favourable for want of seasonable rain: hence the low outturn. The dates of sowing and harvesting were normal. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24-Parganas ... | 3,100,533 | 1,068,700 | April ... | 100 | 100 | 100 | 75 | 100 | ... | ... | ... | June | The weather was favourable for the cultivation of the crop. The dates of sowing and harvesting were normal. The general condition of the crop is good. |
| Nadia ... | 1,767,590 | 1,043,600 | June ... | 200 | 500 | 200 | 25 | 69 | Not cadastrally surveyed | | | Not yet begun. | The weather was favourable and the general condition of the crop is good. The dates of sowing were normal. |
| Murshidabad... | 1,371,520 | 985,500 | April ... | 1,000 | 200 | 1,700 | 67 | 54 | ... | ... | ... | July ... | The weather was not favourable. The general condition of the crop is fair. The dates of sowing and harvesting were normal. |
| Jessore ... | 1,872,153 | 1,191,000 | From the middle of May. | 4,600 | 3,300 | 1,000 | 60 | 50 | ... | ... | ... | Not yet commenced. | The abnormal decrease in the area sown with this crop is due to total failure of rain at the time of sowing. In the Sadar Subdivision only one *thana* reports the cultivation of this crop on an area of 50 acres, while the Bongaon Subdivision returns a blank statement. The date of sowing was late except at the Magura and Narail Subdivisions. The weather has been unfavourable. |
| Khulna ... | 3,049,016 | 870,000 | 15th February. | 1,200 | 1,200 | 1,200 | 96 | 92 | 130,746 | 1903-04 to 1907-08. | 4 | Ditto ... | The weather and general condition of the crop are not favourable. The date of sowing was normal this year. The decrease in the outturn is due to the want of timely rain. |
| Gaya ... | 3,015,650 | 2,118,199 | ... | 600 | [illegible]00 | ... | 75 | ... | 517,900 | 1893—1895, 1900—1902 and 1907-08. | 390 | .. | ..... |
| Shahabad ... | 2,800,843 | 1,843,680 | ... | 3,900 | 1,300 | 1,100 | 75 | 77 | ... | ... | ... | Not yet begun. | This year, the rain was unfavourable for the crop at the time of sowing: hence the smaller area sown. The date of sowing was normal. The condition of the crop is good. |

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | | |
| Saran ... | 1,711,286 | 1,257,200 | End of November 1908. | 400 | 500 | 1,000 | 75 | 71 | 1,633,435 | 1893 to 1901 | 553 | End of April. | The weather was seasonable. The general condition of the crop is fair. The dates of sowing and harvesting were normal. | |
| Muzaffarpur ... | 1,942,400 | 1,627,000 | January | 300 | 200 | 200 | 62 | 50 | 1,942,400 | 1892-93 to 1898-99 | ... | April ... | The dates of sowing and harvesting were late. The crop suffered from want of moisture. | |
| Monghyr ... | 2,510,080 | 1,582,800 | June ... | 600 | 500 | 1,300 | 50 | 75 | ... | ... | ... | The harvesting will commence in December. | The weather and general condition of the crop appear to be favourable. The date of sowing was normal. | |
| Bhagalpur ... | 2,704,640 | 2,073,300 | ... | 2,400 | 2,700 | ... | 42 | ... | 1,057,900 | 1902-04 | 400 | ... | Owing to an insufficient rain last rainy season and subsequent cessation of rain during this season, there was very little moisture left in the soil in the cold weather for the sowing of this crop and the cultivators therefore did not sow this crop. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cuttack ... | 2,338,560 | 1,223,500 | Middle of May. | 1,700 | 1,300 | 1,200 | 57 | 75 | 2,088,437 | 1887-95 and 1901-07 | 761 | Not yet begun. | The weather was favourable. The general condition of the crop is good. The date of sowing was normal this year. |
| Balasore ... | 1,234,362 | 232,200 | April ... | 1,500 | 1,500 | 1,500 | 95 | 95 | 1,095,779 | 1891-92 to 1894-95 | ... | Ditto ... | The weather was favourable. The general condition of the crop is good. The date of sowing was early. |
| Angul ... | 1,087,283 | 263,000 | ... | 9,000 | 14,000 | ... | 50 | ... | ... | ... | ... | ... | ..... |
| Puri ... | 1,599,360 | 750,200 | 2nd and 3rd week of December. | 600 | 500 | 700 | 55 | 69 | 1,274,790 | 1890-1900 | 435 | March and June. | The low outturn is due to want of timely rain. The date of sowing was normal. |
| Sambalpur ... | 2,447,360 | 845,300 | 5th June | 2,000 | 2,000 | 1,000 | 75 | 165 | 2,447,360 | 1884-87 and 1891-97 | ... | Not yet begun. | The decrease in the area sown is due to excessive rain in the beginning of the season. The date of sowing was normal. The present prospects of the crop are good. |
| Manbhum ... | 2,654,080 | 1,419,200 | March ... | 6,300 | 4,700 | 4,0[illegible] | 68 | 75 | Not cadastrally surveyed. | | | Ditto ... | The weather has been generally favourable. The date of sowing was normal. Owing to untimely heavy rain, the outturn is not good. |
| Singhbhum ... | 2,440,240 | 810,700 | ... | 6,500 | 16,500 | ... | 100 | ... | 1,761,984 | 1905-07 | 3,223 | ... | ..... |
| Total .. | 48,744,282 | 27,655,900 | ... | 63,400 | 50,000 | 35,800 | 70 | 72 | ... | ... | ... | ... | |

## WEATHER AND CROP REPORT.

*For the week ending the 23rd August 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, actual state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 6·30 | 8¾ | 8¾ | Rainfall heavy and general. Weather seasonable. Transplantation of *aman* paddy and harvesting of jute continuing. Condition of *aus* paddy and sugarcane good. Stocks of food-grains and fodder sufficient. No cattle-disease. |
| 2 | BIRBHUM ... | 6·05 | 9 | 9 | Rainfall at Rampur Hât 2·27 inches. Paddy seedlings being transplanted. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 7·80 | 9¼ | 9 | Rainfall at Vishnupur 2·43 inches. Weather seasonable. Transplantation of winter paddy completed. Condition of standing crops good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 0·73 | 9 | 9 | Rainfall at Contai 0·94, at Tamluk 0·77, and at Ghatal 3·54 inches. Weather seasonable. Transplantation of winter rice still going on. Its condition good. Prospects of *bhadoi* crops, jute and maize fair and that of autumn rice good No cattle-disease. Fodder and water sufficient. Common rice selling at 11 seers per rupee at Contai, at 8½ seers at Tamluk and at 9½ seers at Ghatal. |
| 5 | HOOGHLY ... | 1·18 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Prospects of jute fair. Transplantation of winter paddy going on. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 2·52 | 8½ | 8½ | Transplantation of winter rice almost finished. Harvesting of jute and *aus* paddy going on. Outturn of autumn rice and jute estimated at 75 and 50 per cent. respectively. Prospects of sugarcane fair Stocks of food-grains and fodder and water sufficient. Common rice selling at 8½ seers per rupee at Ulubaria and at 9 to 9½ seers. in the interior. |
| 7 | 24-PARGANAS | 1·06 | 9 | 9 | Weather seasonable. Rain wanted at Barasat and Basirhat. Transplantation of *aman* paddy and harvesting of jute and *aus* paddy progressing. Common rice selling at 8 seers per rupee at Barasat, at 9⅝ seers at Basirhat, at 9¼ seers at Diamond Harbour and at 8½ seers at Barrackpore. |
| 8 | NADIA ... | 2·54 | 8⅝ | 8 9/16 | Rainfall at Ranaghat 3·06, at Meherpur 1·52 at Chuadanga 1·68 and at Kushtia 0·63 inches. Prospects of standing crops fair. Harvesting of *aus* paddy and transplantation of *aman* paddy progressing. Weather seasonable for jute. Condition of the crop good. Harvesting and steeping continuing. Prices of staple food-grains almost stationary. Stocks of food-grains sufficient. Cattle-disease prevailing in thanas Gangani and Karimpur. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 8·60 | 8½ | 8½ | Weather seasonable. Rainfall at Kandi 8·08, at Lalbagh 2·20, and at Jangipur 2·05 inches. More rain wanted at Lalbagh for *aman* paddy. Transplantation of *aman* paddy going on. Condition of mulberry, sugarcane and *bhadoi* crops good. Harvesting of *bhadoi* paddy continuing. Jute prospering. Weather and rainfall normal. Harvesting commenced in the Lalbagh subdivision. Prospects better. Fodder and water sufficient. Agricultural stock in good condition. No cattle-disease. |
| 10 | JESSORE ... | 1·54 | 9 11/16 | 9⅞ | Rainfall at Jhenidah 4·18, at Magurah 2·54, at Narail 0·54 and at Bangaon 1·50 inches. Weather seasonable. Rainfall fairly general. Harvesting of *aus* paddy and jute going on. Prospects good. Condition of jute favourable. Stocks of food-grains and fodder and water sufficient. Condition of agricultural stock good. No cattle-disease. |
| 11 | KHULNA ... | 1·61 | 10 | 10 | Rainfall at Bagerhat 1·38 and at Satkhira 0·79 inches. Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of winter rice progressing. The present condition of agricultural stock fair. Prospects of standing crops fair. Jute suffered to some extent. Harvesting of jute commenced in some parts. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 3·24 | 9¼ | 9¼<br>12¾* | Weather warm and cloudy. *Bhadoi* crops being harvested. Transplantation of winter paddy going on. Standing crops doing well. Condition of sugarcane good. Import of food-grains continuing. Fodder and water sufficient. Cattle-disease reported from three villages of the Dinapore subdivision. |
| 13 | GAYA ... | 1·60 | 10¼†<br>12 6/16* | 10¼†<br>12⅔* | Weather showery. Transplantation of winter paddy and harvesting of *marua* going on. Prospects of *bhadoi* crops and sugarcane good. Prices almost stationary. Cattle-disease in two villages in the Nawadah subdivision. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | 0·16 | 9¾†<br>13⅓* | 9¾†<br>12* | Rainfall at Buxar 3·40 at Bhabhua 1·29 and at Dehri 1·42 inches. Transplantation of winter paddy in progress, but more rain wanted at Bhabhua. *Bhadoi* crops being harvested. Sugarcane doing well. The crops damaged to some extent at Buxar by continuous rain. Prices of food-grains stationary. Food-stocks below the normal. Fodder and water sufficient. |
| 15 | SARAN ... | 1·70 | 9¾<br>13* | 9¾<br>14* | Rainfall at Gopalganj 4·41 and at Siwan 5·40 inches. Weather seasonable. *Bhadoi* crops and winter paddy doing well. *Marua* being cut in places. Prices of staple food-crops stationary. Agricultural stock in fair condition. No cattle-disease. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 2·10 | 10<br>15½* | 9¾<br>15½* | Weather seasonable. Rainfall at Bettiah 4·46 inches. Transplantation of winter paddy going on. Standing crops doing well, but some damage done to maize and *arhar* by excessive rain. Fodder and water sufficient. Cattle-disease reported from thanas Bettiah and Bagaha. |
| 17 | MUZAFFARPUR | 4·47 | 9<br>13½* | 9<br>13½* | Weather hot and cloudy at times. Rainfall at Sitamarhi 1·75 and at Hajipur 3·02 inches. Common rice and *makai* selling at 8 and 17 seers a rupee, respectively, at Sitamarhi, and at 8 and 13½ seers a rupee, respectively, at Hajipur. Prospects of standing crops excellent. Slight damage done to late *bhadoi* crops in low lands by floods of the Bagmati and Burgandak rivers. Fodder and water sufficient. Cattle-disease reported in Mahuwa and Sakra thanas. |
| 18 | DARBHANGA ... | 0·82 | 9<br>13½* | 9½<br>13½* | Weather hot and cloudy. Transplantation of winter paddy still going on at places. Harvesting of *marua sama* and early sown *makai* going on. Prospects of crops good. Food-stocks and fodder and water sufficient. No cattle-disease reported. *Makai* selling at 13½ seers per rupee in the Darbhanga *bazar*, but dearer in the interior. |
| 19 | MONGHYR ... | 1·74 | 8½<br>13* | 8½<br>13* | Weather cloudy with occasional sunshine. Rainfall moderate this week. Transplantation of paddy continuing. Condition of standing crops satisfactory. Price of staple food-grains stationary. No cattle-disease reported. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 3·81 | 8⅞<br>14* | 8⅞<br>12⅔* | Weather seasonable. Condition and prospects of standing crops very good. Harvesting of *bhadoi* paddy and *marua* going on. Transplantation of *aghani* paddy in progress. Condition of jute good. Much good done to standing crops by the rain this week. Condition of agricultural stock good. Cattle-disease reported from two villages in Bongong police-station in the Madhipura subdivision and from Supaul and Darkha thanas in the Supaul subdivision Fodder and water sufficient. Prices of food-grain. stationary. |
| 21 | PURNEA ... | 0·41 | 10½† | 8¾ | Weather hot and cloudy. Rainfall at Kishanganj 2·32 and at Araria 2·16 inches. Dust-storm over the town at noon on the 22nd instant. Transplantation of *aghani* paddy on high lands at a standstill for want of sufficient rain in parts of the Sadar subdivision. More rain urgently required. *Bhadoi* paddy and jute being harvested. Prospects good. Cattle-disease reported from several thanas. Fodder and water sufficient. Old common rice selling at 8 seers a rupee at the Sadar and Araria subdivisions and at 8½ seers rupee at Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† New *aus* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 4·82 | 8<br>13* | 8<br>13* | Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua* and *bhadoi* paddy growing. Terai—Transplantation of winter rice not yet finished. Harvesting of jute in progress, that of *bhadoi* paddy commenced. Prospects of all crops not good. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 3·42 | $9\frac{7}{8}$<br>15* | $9\frac{3}{4}$<br>13* | Rainfall at Deoghar 6·02, at Godda 1·20, at Jamtara 5·18, at Pakour 10·10 and at Rajmahal 2·61 inches. Transplantation of paddy almost over. Maize doing well. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Pakour. Fodder and water sufficient. Prospects of jute unfavourable. |
| 24 | CUTTACK ... | 5·30 | $11\frac{13}{16}$ | $11\frac{13}{16}$ | *Saradh* paddy being transplanted and weeded. *Beali* paddy and *mandia* ripening. Reaping of *beali* paddy commenced. Jute being cut. Cotton and sugarcane growing well. *Biri* being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 5·04 | 12 | $11\frac{3}{4}$ | Rainfall at Bhadrak 4·12 inches. Weather seasonable. Transplanting and weeding of *saradh* paddy continuing. Harvesting of *beali* paddy commenced at places. Sugarcane and *bhadoi* crops progressing well. Jute thriving. Its condition good. Fodder and water sufficient. Common rice selling at $11\frac{1}{2}$ seers per rupee at Bhadrak. Prices falling at the Sadar subdivision and stationary at Bhadrak. |
| 26 | ANGUL ... | 1·29 | $15\frac{3}{4}$ | $15\frac{3}{4}$ | Rainfall at Phulbani 4·18 inches. Weather hot and cloudy. More rain wanted for puddling and for the transplantation of winter rice on high lands. Weeding commenced at places. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | 1·74 | $9\frac{3}{16}$ | $9\frac{1}{16}$ | Rainfall at Khurda 1·83 inches. Weeding and transplantation of *saradh* paddy going on. Harvesting of *beali* paddy begun. *Mandia* in ear. Sugarcane and cotton thriving well. Cattle-disease reported from Jatni and Becharpatna. Common rice selling at $11\frac{13}{16}$ seers a rupee at Khurda. Fodder and water-supply sufficient. |
| 28 | SAMBALPUR ... | 3·43 | $13\frac{1}{2}$ | $12\frac{3}{8}$ | Thinning operations stopped in some villages of Bargarh *tahsil* for want of rain. Weeding of autumn and winter rice and sowing of *til*, *urad* and *kulthi* continuing. *Goolji* being reaped. Condition of sugarcane and *bhadoi til* good. Autumn rice in Bheden circle of Bargarh *tahsil* suffering for want of rain. Insects appearing in rice fields. Stocks of food grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, pleuro-pneumonia and foot-and-mouth diseases reported. Common rice selling at 15 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 7·94 | 9<br>13* | $8\frac{1}{2}$*<br>$12\frac{1}{2}$* | Weather seasonable. Transplantation of paddy progressing rapidly. Condition of standing crops good. Food-stocks and fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 4·38 | 9 | 8 | Weather seasonable. Harvesting of *gondli* continuing. Transplantation of paddy nearly finished. Sowings of *sirguja* and *kurthi* in progress. Appearance of *Saurha* disease in paddy reported from thana Torpa. Condition of agricultural stock good. Fodder and water sufficient. |
| 31 | PALAMAU ... | 2·01 | 8¾ | 8¾ | Weather seasonable. *Bhadoi* crops and winter paddy doing well. Sowing of *til* continuing. Fodder and water sufficient. Some cattle-disease reported from one thana. |
| 32 | MANBHUM ... | 3·20 | 10 | 11 | Rainfall at Dhanbaid 4·27 inches. Weather seasonable. State of standing crops good. Condition of autumn rice and maize favourable. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 6·55 | 8 | 8 | Weather seasonable. Transplantation of paddy completed. Weeding in progress. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 6·32 | $7\frac{9}{11}$ | $7\frac{9}{34}$ | Weather hot and rainy. Transplantation of *haimantik* paddy seedlings and steeping of jute continuing. Condition of jute good. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... Nil<br>Athmallik ... 0·10<br>Baramba ... 0·45<br>Baud ... Nil<br>Bonai ... 1·40<br>Daspalla ... 0·70<br>Dhenkanal ... 1·62<br>Gangpur ... 1·30<br>Hindol ... 0·12<br>Kalahandi ... 1·64<br>Keonjhar ... 1·05<br>Khandpara ... Nil<br>Mayurbhanj ... 1·59<br>Narsinghpur ... Nil<br>Nayagarh ... 3·85<br>Nilgiri ... 0·28<br>Pal-Lahara ... Nil<br>Patna ... 0·93<br>Rairakhol ... 0·49<br>Ranpur ... 0·38<br>Sonpur ... 1·02<br>Talcher ... 0·12<br>Tigiria ... Nil<br>Weather seasonable. Maize and *sawan* in Dhenkanal and Nayagarh, *gulji* in Kalahandi and Talcher and *bhadoi rasi* and *sawan* in Talcher being harvested. The estimated outturn of *beali* (*gora* crop) 14 annas in Hindol. Transplantation and weeding operations in progress. State of standing crops good. Fodder and water sufficient. Price of common rice varying from 10 seers in Tigiria and 11 seers in Mayurbhanj to 18 seers in Pal-Lahara and 20 seers in Talcher. |

* The report is for the week ending the 14th August 1909.

GENERAL SUMMARY.—The rainfall was general throughout the Province. It was heavy in Burdwan, Birbhum, Bankura, Murshidabad, the Sonthal Parganas, Cuttack, Balasore, Hazaribagh, Singhbhum and Cooch Behar, moderate in North Bihar, Jessore, Bhagalpur, Darjeeling, Sambalpur, Ranchi and Manbhum and light elsewhere. The harvesting of autumn paddy, *marua* and jute is still going on. Transplantation of paddy is also in progress. More rain is wanted in parts of the 24-Parganas, Shahabad, Purnea, Angul and Sambalpur. The condition and prospects of standing crops are fair. Some injury has been done by excessive rain in parts of Khulna, Shahabad, Champaran and Darjeeling and by floods in Muzaffarpur. Insect-pests are reported from Sambalpur and Ranchi. The price of common rice has risen in Jessore, Darbhanga and Manbhum and has fallen in Bankura, Nadia, Champaran, the Sonthal Parganas, Balasore, Sambalpur, Hazaribagh and Ranchi Cattle-disease is reported from Nadia, Patna, Gaya, Champaran, Muzaffarpur, Bhagalpur, Purnea, the Sonthal Parganas, Angul, Puri, Sambalpur and Palamau. The fodder and water supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 24th August 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| | | BENGAL. | | | | | | | | | | | | | | | | | | |
| PRESIDENCY DIVISION. | 1 | Burdwan ... | ... | ... | ... | ... | ... | ... | 8 0 | 8 0 | 7 0 | 8 10 | 8 10 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum ... | 9 0 | 9 0 | 7 8 | ... | ... | ... | 8 4 | 8 14 | 7 2 | 8 8 | 8 0 | 7 2 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 8 8 | 8 8 | 8 0 | ... | ... | ... | 8 8 | 8 8 | 7 4 | 9 0 | 9 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 9 0 | 10 0 | ... | ... | ... | 9 13½ | 9 13½ | 6 8 | 10 8 | 10 4 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly ... | ... | ... | ... | ... | ... | ... | 7 0 | 7 0 | 6 4 | 8 0 | 8 0 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 6 | Howrah ... | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 0 | 8 8 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 7 | 24-Parganas ... | ... | ... | 7 12 | ... | ... | ... | 8 0 | 8 0 | 6 12 | 9 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta ... | 9 0 | 8 0 | 7 6 | 12 8 | 12 0 | 10 0 | 7 12 | 7 12 | 6 6 | 10 0 | 10 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia ... | 8 9 | 9 2 | 7 8 | 10 9 | 11 4 | 10 8 | 8 [illegible] | 8 0 | 6 2 | 8 9 | 8 9 | 6 4 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 9 12 | 9 8 | 8 0 | 16 0 | [illegible] 0 | 12 8 | 7 8 | 7 8 | 6 4 | 9 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore ... | 6 8 | 6 8 | 6 8 | 8 0 | 8 0 | [illegible] | 8 12 | 8 14 | 7 4 | 9 8 | 10 0 | 7 4 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna ... | ... | ... | ... | ... | ... | ... | 8 0 | 8 0 | 7 0 | 9 8 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| PATNA DIVISION. | 13 | Patna ... | 10 4 | 9 12 | 8 8 | ... | 13 8 | 12 0 | 9 4 | 8 8 | 6 14 | 10 4 | 9 12 | 8 4 | 13 4 | 13 8 | 9 0 | ... | ... | ... |
| | 14 | Gaya ... | 9 8 | 9 4 | 7 8 | 14 10 | 14 6 | 10 0 | 8 14 | 8 13 | 6 8 | 10 4 | 9 14 | 7 4 | ... | ... | 10 8 | ... | ... | ... |
| | 15 | Shahabad ... | 9 8 | 9 8 | 8 0 | 14 8 | 14 8 | 10 8 | 8 12 | 8 8 | 7 3 | 9 12 | 8 12 | 8 0 | ... | ... | ... | ... | ... | ... |
| TIRHUT DIVISION. | 16 | Saran ... | 9 8 | 9 8 | 8 4 | 16 0 | 15 8 | 11 8 | 8 0 | 8 0 | 7 0 | 9 12 | 9 8 | 8 4 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 8 | 9 8 | 8 8 | 17 8 | 17 8 | 12 0 | 9 0 | 9 0 | 7 0 | 9 12 | 9 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 7 8 | 15 0 | 14 0 | 11 8 | 6 0 | 6 0 | 6 0 | 9 0 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 9 4 | 8 12 | 7 11 | 15 6 | 16 8 | 11 0 | 8 0 | 7 11 | 6 9 | 9 8 | 9 0 | 8 4 | ... | ... | ... | ... | ... | ... |

A. At Kalna the retail price of salt is 22¾ seers.
B. At Rampur Hât the retail price of salt is 23 seers.
C. At Vishnupur the retail price of salt is 23 seers per rupee.
D. At Contai the retail price of salt is 20 seers.
E. In the subdivisions the retail prices of salt per rupee are—Arambagh 18 seers.
F. Ulubaria 20 seers.
G. At Mograhat the retail price of salt is 21 seers.
H. Ranaghat 21 seers.

*ation Bazars of the districts of Bengal on the 15th August 1909.*

| ERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHOLA, KADALAI OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | Number. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 11 8 | 11 6 | 8 0 | ... | ... | ... | 8 8 | 8 6 | 6 8 | A 21 0 | 21 0 | 18 12 | 1 10 3 | Panga. 1 11 0 | 1 1 6 | | | | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 8 0 | ... | ... | ... | 6 12 | 7 2 | 6 0 | B 20 0 | 19 14 | 18 0 | 1 14 0 | Karkatch. 1 14 8 | 2 0 0 | | | | 2 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 0 | 8 0 | ... | ... | ... | 9 0 | 9 0 | 7 8 | C 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | | | 3 |
| ... | ... | ... | ... | ... | ... | 11 8 | 12 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 0 | D Bombay ... / Crushed 20 0 | Bombay ... / Crushed 20 0 | 18 8 / 20 0 | ... / 1 12 0 | Bombay ... / Crushed 1 12 0 | 2 0 0 / 1 12 0 | | | | 4 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 8 8 | 9 0 | 6 8 | E 20 0 | 20 0 | 16 0 | 1 14 0 | Panga. 1 14 0 | 2 8 0 | | | | 5 |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 7 0 | F 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 2 8 0 | | | | 6 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 8 8 | ... | ... | ... | 9 0 | 9 0 | 7 8 | G 22 8 | 22 8 | 25 0 | 1 12 0 | Liverpool 1 12 0 | 1 9 6 | | | | 7 |
| ... | ... | ... | 9 0 | 8 8 | 9 0 | 11 0 | 10 0 | 8 8 | 13 0 | 13 0 | 9 0 | 8 8 | 8 0 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | | | | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | ... | ... | ... | 8 0 | 7 4 | 6 7 | H 16 0 | 16 0 | 16 0 | 1 13 0 | White Karkatch. 2 2 0 | 1 14 0 | | | | 9 |
| ... | ... | ... | ... | ... | ... | 13 8 | 13 0 | 9 0 | ... | ... | ... | 10 0 | 10 0 | [illegible] | I 21 0 | 21 0 | 18 0 | 1 14 0 | 1 14 0 | 2 4 0 | | | | 10 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 11 4 | [illegible] 4 | 10 0 | J 20 0 | 20 0 | 20 0 | 1 12 0 | Panga. 1 12 0 | 1 13 0 | | | | 11 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 8 0 | ... | ... | ... | 5 8 | 5 8 | 6 8 | K [illegible] 0 | 16 0 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 2 2 0 | | | | 12 |
| ... | ... | ... | 13 4 | ... | 9 0 | 12 12 | 12 0 | 10 0 | 12 12 | 13 0 | 10 0 | 11 4 | 10 12 | 8 4 | L 19 8 | 19 8 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | | | 13 |
| ... | 13 13 | ... | 13 5 | 10 12 | 8 0 | 12 13 | 12 5 | [illegible] 0 | 13 0 | 12 11 | 9 8 | 9 7 | 9 9 | 7 8 | M 21 12 | 21 12 | 20 0 | 1 9 6 | Panga. 1 9 6 | 2 0 0 | | | | 14 |
| ... | ... | ... | ... | ... | ... | 14 0 | 13 8 | 10 0 | ... | ... | ... | 11 0 | 11 0 | 8 0 | N 21 0 | 20 0 | 20 0 | 1 14 6 | 2 0 0 | 2 0 0 | | | | 15 |
| 14 0 | 14 0 | ... | ... | ... | ... | 13 8 | 13 8 | 9 12 | 14 0 | 14 0 | 10 8 | 11 8 | 11 8 | 8 8 | O 22 0 | 22 0 | 20 0 | 1 13 0 | Panga. 1 13 0 | 1 14 6 | | | | 16 |
| 16 0 | 16 0 | 11 4 | ... | ... | ... | 13 8 | 13 0 | 9 12 | 15 8 | 15 0 | 10 8 | 10 0 | 10 0 | 8 0 | P 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | | | | 17 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 9 0 | 13 0 | 13 0 | 10 12 | 9 0 | 9 0 | 8 0 | Q 20 0 | 20 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 1 6 | | | | 18 |
| 17 9 | 16 8 | 12 1 | ... | ... | ... | 12 1 | 12 1 | 9 14 | 14 12 | [illegible] 4 | 9 14 | 8 12 | 8 12 | 7 11 | R 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | | | | 19 |

I. In the subdivisions the retail prices of salt per rupee are—Kandi 22½ seers and Jangipur 20 seers (Karkatch).
J. In the subdivisions the retail prices of salt per rupee are—Bongaon 21 seers.
K. In the subdivisions the retail prices of salt per rupee are—Bagerhat 16 seers (panga); Satkhira 22½ seers.
L. Bihar report not received.
M. In the subdivisions the retail prices of salt per rupee are—Aurangabad 20 seers.
N. In the subdivisions the retail prices of salt per rupee are—Buxar 20 seers and Sasaram 20 seers.
O. At Siwan the retail price of salt is 22 3/4 seers.
P. At Bettiah the retail price of salt is 20 seers per rupee.
Q. In the subdivisions the retail prices of salt per rupee are—Sitamarhi 21 seers; Hajipur report not received.
R. In the subdivisions the retail prices of salt per rupee are—Samastipur 21 seers; Madhubani 20½ seers.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division | 20 | Monghyr ... | 10 0 | 10 0 | 9 0 | 13 0 | 12 8 | 12 4 | 8 4 | 8 1 | 6 13 | 8 8 | 8 4 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 8 14 | 8 14 | 8 6 | 12 6 | 12 10 | 11 6 | 7 14 | 7 10 | 7 2 | 8 14 | 8 4 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 8 | 8 8 | 9 8 | ... | ... | ... | 7 8 | 7 4 | 7 0 | Rangoon. 10 0 Local. 8 12 | Rangoon. 10 0 Local. 8 12 | 7 8 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling... | 6 0 | 6 0 | 6 0 | 8 0 | 6 0 | 7 0 | 6 0 | 4 0 | 6 0 | 8 0 | 8 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 24 | South Parganas. | 8 0 | 8 0 | 6 8 | 13 0 | 13 0 | 8 0 | 9 2 | 9 0 | 6 0 | 9 12 | 9 8 | 6 4 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 11 2 | 10 8 | 7 2 | 10 2 | 10 8 | 7 8½ | ... | ... | — | ... | ... | ... |
| | 26 | Balasore . | 7 8 | 8 4 | 7 0 | ... | ... | ... | 10 8 | 10 8 | 7 8 | 11 12 | 11 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | ... | ... | 5 0 | ... | .. | ... | 16 12 | 16 0 | 6 0 | 16 12 | 17 1 | 6 0 | | — | ... | ... | ... | ... |
| | 28 | Puri ... | 8 3 | 8 3 | 7 8 | .. | ... | ... | 9 3 | 9 3 | 6 9 | 10 8 | 10 8 | 7 3 | ... | ... | — | — | — | ... |
| | 29 | Sambalpur... | 9 0 | 8 12 | 8 0 | ... | | ... | 4 | 10 10 | 9 0 | 12 6 | 11 10 | 10 0 | ... | ... | — | ... | ... | ... |
| CHOTA NAGPUR | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 8 | 8 8 | 7 8 | 12 0 | 12 0 | 9 0 | 8 8 | 8 4 | 6 0 | 9 0 | 8 12 | 7 8 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 8 8 | 8 4 | 6 8 to 7 4 | 10 0 | 12 0 | 10 0 | 8 0 | 8 0 | 6 8 | 10 0 | 9 8 | 7 4 | ... | — | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 9 | 10 2 | 7 14 | 13 8 | 13 8 | 10 11 | 6 12 | 9 0 | 7 14 | 7 14 | 9 9 | 8 2 | ... | — | ... | ... | — | — |
| | 33 | Manbhum .. | 8 0 | 8 0 | 7 8 | 10 0 | 10 0 | 9 0 | 9 0 | 9 0 | 6 8 | 10 0 | 10 0 | 7 8 | ... | ... | ... | 11 0 | 11 0 | — |
| | 34 | Singhbhum | 8 0 | 8 0 | 7 0 | ... | ... | ... | 7 0 | 7 0 | 6 0 | 9 0 | 9 0 | 6 8 | ... | — | ... | ... | ... | ... |

S. In the subdivisions the retail prices of salt per rupee are—Begusarai 20 seers; Jamui 20 seers.
T. In the subdivisions the retail prices of salt per rupee are—Banka 17½ seers; Madhipura 13 seers; Supaul 20 seers.
U. In the subdivisions the retail prices of salt per rupee are—Kishanganj 17 seers.
V. In the subdivisions the retail prices of salt per rupee are—Siliguri 16 seers.
W. In the subdivisions the retail prices of salt per rupee are—Godda 16 seers; Deoghur 16 seers; Pakur 18 seers; Rajmahal 20 seers, and Jamtara not received.

CALCUTTA,
*The 24th August 1909.*

***Station Bazars of the districts of Bengal on the 15th August 1909*** —concld.

| SEERS OF EIGHTY TOLAS | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHOLA, KADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | Number. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| ... | ... | ... | ... | ... | ... | 13 0 | 12 8 | 10 0 | 13 0 | 12 0 | 10 0 | 9 8 | 9 7 | 7 8 | S 20 0 | 20 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 2 0 | 20 |
| ... | ... | ... | | ... | ... | 12 0 | 11 8 | 8 14 | 12 10 | 12 10 | 10 2 | 8 14 | 8 14 | 7 4 | T 21 8 | 22 0 | 20 0 | 1 13 5 | Panga. 1 13 0 | 1 14 3 | 21 |
| ... | ... | ... | ... | ... | ... | 9 0 | 8 12 | 8 0 | 15 0 | 13 0 | 9 0 | 7 8 | 7 8 | 6 8 | U 17 0 | 17 0 | 17 0 | 2 4 3 | Panga. 2 4 3 | 2 4 0 | 22 |
| 11 4 | 11 4 | 11 8 | ... | ... | ... | 9 0 | 8 8 | 7 0 | 13 0 | 13 0 | 14 0 | 5 8 | 5 8 | 5 4 | V 13 0 | 14 0 | 13 0 | 3 0 0 | 2 12 0 | 2 14 0 | 23 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 8 0 | 13 0 | 13 0 | 9 0 | 8 8 | 9 0 | 6 0 | W 18 0 | 18 0 | 16 0 | 2 3 6 | Karkatch. 2 3 6 | 2 8 0 | 24 |
| ... | ... | ... | ... | ... | ... | Biri or ka. 9 8 | 9 8 | 8 8 | ... | ... | ... | 10 8 | 10 8 | 10 8 | X 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 7 0 | 1 13 0 | 25 |
| ... | ... | ... | ... | ... | ... | Chhola. 11 8 / Biri. 10 8 | 11 8 / 10 8 | 7 12 / 9 0 | ... | ... | ... | 8 0 | 7 0 | 6 0 | Y 22 8 | 21 0 | 20 0 | 1 12 0 | Panga. 1 14 0 | 1 13 0 | 26 |
| ... | ... | ... | ... | ... | ... | Biri. 9 7 | 8 6 | 6 0 | ... | ... | ... | 11 0 | 13 10 | 6 8 | Z 16 12 | 16 13 | 10 8 | 2 0 0 | Karkatch. 2 0 0 | 3 0 0 | 27 |
| ... | ... | ... | ... | ... | ... | Bir. 10 13 | 10 8 | 9 3 | ... | ... | ... | 7 14 | 7 14 | 9 | a 26 0 | 26 0 | 26 0 | 1 8 0 | 1 8 0 | 1 8 0 | 28 |
| ... | ... | ... | ... | ... | ... | Biri. 11 0 | 11 8 | 7 12 | ... | ... | ... | 7 | 7 0 | 6 0 | b 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | 29 |
| 16 0 | 14 8 | 9 8 | ... | ... | ... | 11 0 | 11 0 | 8 4 | 12 8 | 12 8 | 8 8 | 8 0 | 8 0 | 6 | 16 0 | 16 0 | 16 0 | 2 8 0 | Panga. 2 8 0 | 2 8 0 | 30 |
| 20 0 | 17 0 | 10 0 | ... | ... | ... | 10 0 | 10 4 | 8 0 | 12 0 | 12 0 | 8 0 | 7 0 | 7 0 | 5 0 / 7 0 | 18 0 | 18 0 | 16 0 | 2 3 0 | Panga. 2 3 0 | 2 6 0 | 31 |
| ... | ... | ... | ... | ... | ... | 11 13 | 11 13 | 8 11 | ... | ... | 8 7 | 9 0 | 10 2 | 6 12 | 18 9 | 19 2 | 16 14 | ... | ... | ... | 32 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | ... | 10 0 | 8 0 | 7 8 | 7 0 | c 18 0 | 18 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 4 0 | 33 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 2 0 | Panga. 2 0 0 | 2 4 0 | 34 |

X. In the subdivisions the retail prices of salt per rupee are—Jajpur 22 seers.
Y. The retail price of salt at Bhadrak is 18 seers.
Z. In the marts in the interior of the district the retail prices of salt per rupee are—Phulbani 12 seers (Karkatch).
a. The retail price of salt per rupee at Khurda is 24 seers.
b. The retail price of salt per rupee at Bargarh is 12 seers (Bombay).
c. In the subdivisions the retail prices of salt per rupee are—Dhanbaid not received ; Jhalda not received.

**Published for general information.**

N. N. BANERJEI,
for *Director of Agriculture, Bengal, on tour.*

***PRICES-CURRENT** (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| MARTS. | RICE (BEST SORT). | | | COMMON RICE. | | | | | | WHEAT (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Average. | | | Cheapest. | | | | | |
| | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| Calcutta ... | 6 12 0 | 7 0 0 | 7 2 0 | 5 0 0 | 5 2 0 | 6 2 0 | 3 10 0 | 3 10 0 | 5 12 0 | 4 8 0 | 4 12 0 | 5 2 0 |
| Burdwan ... | 5 12 0 | 5 12 0 | 6 14 0 | 4 14 0 | 4 14 0 | 5 13 0 | 4 10 6 | 4 10 0 | 5 6 0 | ... | ... | ... |
| Midnapore ... | 4 13 0 | 4 15 10 | 7 0 0 | 4 1 6 | 4 5 3 | 6 0 0 | 3 9 9 | ... | 5 4 0 | ... | ... | ... |
| Patna ... | 7 4 0 | 7 4 0 | 9 0 0 | 4 4 0 | 4 10 0 | 5 12 0 | 3 13 6 | 4 0 0 | 4 12 0 | 3 13 6 | 4 0 0 | 4 10 0 |
| Muzaffarpur | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 6 10 6 | 4 7 0 | 4 7 0 | 5 0 0 | 4 7 0 | 4 7 0 | 5 0 0 |
| Bhagalpur .. | 6 4 0 | 7 0 0 | 6 5 0 | 5 9 6 | 5 9 6 | 5 9 0 | 4 8 [illegible] | 4 13 0 | 4 14 0 | 4 8 0 | 4 8 0 | 4 12 3 |
| Cuttack .. | 6 1 6 | 6 1 6 | 7 3 0 | 3 9 0 | 3 12 11 | ... | [illegible] 9 0 | 3 12 11 | 5 4 9 | 4 6 0 | 4 6 0 | 5 1 3 |
| Sambalpur .. | 5 12 0 | 5 15 0 | 6 10 0 | 3 5 6 | 3 8 0 | 4 3 0 | 3 1 3 | 3 3 0 | 3 10 0 | 4 5 3 | 4 7 0 | 4 13 0 |
| Ranchi ... | 5 4 0 | 5 4 0 | 8 0 0 | 5 0 0 | 4 15 0 | 6 4 0 | 4 0 0 | 4 3 0 | 5 8 0 | 4 12 0 | 4 12 0 | 5 8 0 to 5 12 0 |

| c. | MARTS | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR DAL OR THUR—CADJAN PEA (*Cajanus indicus*). | | | LINSEED. | | | MUSTARD AND RAPESEED. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P | Rs. A. P | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 3 0 0 | 3 0 0 | 4 4 0 | 4 8 0 | 4 10 0 | 5 8 0 | 5 8 0 | 5 8 0 | 5 8 0 | 4 12 0 | 5 0 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 2 0 | 4 7 0 | 6 1 9 | ... | ... | ... | 5 4 0<br>5 0 0 | White.<br>5 4 0<br>Kajil.<br>5 0 0 | ...<br>7 4 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 0 0 | 5 4 0 | 5 4 0 | 5 4 0 | 5 12 0<br>4 14 0 to 5 4 0 | Black mustard.<br>5 8 0<br>Rapeseed.<br>5 0 0 | 7 0 0<br>6 8 0 |
| 4 | Patna ... | 3 1 6 | 3 0 6 | New.<br>3 15 0 | 3 8 0 | 3 10 6 | ... | 5 12 0 | 5 14 0 | ... | 5 0 0 | 5 0 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 3 1 3 | 3 1 3 | 3 11 6 | 4 7 0 | 4 7 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 3 2 6 | 3 2 6 | 3 15 0 | 4 8 0 | 4 8 0 | 5 8 3 | 5 8 0 | 5 9 0 | 5 11 0 | 4 8 0<br>4 2 0 | Mustard.<br>4 8 0<br>Rapeseed.<br>4 3 0 | 6 3 0<br>6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 0 0 | 5 4 0 | 6 4 0 | ... | ... | ... | No sale | 5 0 0 | 7 4 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 12 0 | 4 12 0 | 5 12 0 to 8 0 0 | 5 0 0 | 6 8 0 | 8 0 0 | 5 0 0 to 5 8 0 | 5 8 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th August 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 14 0 | 3 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 12 0 | 4 8 0 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 2 0 | 3 8 0 | 4 14 0 | 2 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 0 0 | 3 |
| 2 1 0 | 2 14 6 | 3 4 0 | ... | ... | 4 6 0 | ... | ... | ... | ... | ... | ... | 3 1 6 | 3 2 6 | 3 15 0 | 4 |
| 2 10 6 | 2 13 9 | 3 8 0 | ... | ... | ... | ... | ... | ... | 2 10 6 | 2 10 6 | ... | 3 5 3 | 3 5 3 | 4 7 0 | 5 |
| 3 2 6 | 3 2 6 | 3 8 3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 5 0 | 3 7 0 | 4 8 0 | 6 |
| | | | | | | | | | | | | Biri or kalai. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 3 9 | 4 3 9 | 4 3 4 | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 5 6 | 3 7 6 | 5 0 0 | 8 |
| 4 0 0 | 3 4 0 | 5 9 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 3 12 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 4 12 0 | 5 6 0 | 6 8 0 | 6 0 0 | 6 0 0 | 5 12 0 | 22 0 0 | 20 0 0 | 18 0 0 | 5 2 0 | 5 0 0 | 5 8 0 | 1 |
| ... | ... | ... | 9 0 0 | 9 4 0 | 5 12 0 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 4 0 | 8 4 0 | 7 0 0 | 22 0 0 to 24 0 0 | 22 0 0 | 12 0 0 to 15 0 0 | ... | ... | ... | 3 |
| 4 0 | 5 0 0 | 7 0 0 | 6 0 0 | 6 0 0 | 6 0 0 | 20 0 0 | 19 8 0 | 18 8 0 | ... | ... | 5 8 0 | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 3 10 0 | ... | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 6 2 0 | 6 2 0 | 4 8 0 | 21 8 0 | 21 8 0 | 20 0 0 | ... | ... | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| | | | | | | | | | Kauria | | | |
| 4 12 0 | 4 12 0 | 6 8 0 | 5 12 0 | 6 0 0 | 5 8 0 | ... | ... | ... | No sale. | 4 8 0 | 5 8 0 | 8 |
| ... | ... | ... | 6 0 0 | 6 2 0 | 6 12 0 | 23 0 0 | 20 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*]

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 43 0 0 | 8 4 0 | 8 4 0 | 8 0 0 | 385 0 0 | Per 100 pieces. 385 0 0 | 390 0 0 |
| 2 | Burdwan ... | 39 0 0 | 40 0 0 | 42 0 0 | ... | ... | ... | ... | ... | ... |
| 3 | Midnapore ... | 42 0 0 to 43 0 0 | 43 0 0 | 37 0 0 to 40 0 0 | 13 0 0 | Madhukhali. 11 8 0 | 12 0 0 | Unclean per piece. 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 2 0 0 to 2 12 0 |
| | | | | | 15 0 0 | Palta. 12 8 0 | 13 8 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 2 4 0 to 3 0 0 |
| 4 | Patna ... | 34 0 0 to 36 0 0 | 34 0 0 to 35 0 0 | 36 0 0 to 38 0 0 | 3 0 0 to 6 0 0 | 3 0 0 to 6 0 0 | 2 0 0 to 4 0 0 | ... | ... | 30 0 0 |
| 5 | Muzaffarpur ... | 40 0 0 | 37 10 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | ... | — |
| 6 | Bhagalpur ... | 39 0 0 | 40 0 0 | 43 0 0 | 13 0 0 | 13 0 0 | 10 0 0 | ... | ... | ... |
| 7 | Cuttack ... | 45 11 5 | 45 11 0 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 0 0 | 37 0 0 | 39 0 0 | 20 0 0 | 20 0 0 | 18 0 0 | 40 0 0 | Per maund. 40 0 0 | 30 0 0 |
| 9 | Ranchi ... | 40 0 0 | 37 0 0 | 40 0 0 | 11 0 0 | 11 0 0 | 10 0 0 to 16 0 0 | 0 8 0 | Per lb. 0 7 6 | Per piece. 2 4 0 to 2 12 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 1 12 0 | 2 0 0 | ... |
| 2 | Burdwan ... | ... | ... | ... | 0 10 0 | 0 10 0 | 0 9 0 | 1 10 3 | Panga. 1 11 0 | 1 11 6 | ... | ... | ... |
| 3 | Midnapore ... | 4 0 0 to 4 4 0 | 4 0 0 to 4 4 0 | 2 8 0 to 4 0 0 | 0 6 0 | 0 6 0 | 0 4 0 | 1 12 0 ... | Crushed. 1 12 0 Bombay. ... | 1 12 0 2 0 0 | ... | ... | ... |
| 4 | Patna ... | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 7 6 | 0 8 0 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 8 0 | 1 5 0 | ... |
| 5 | Muzaffarpur ... | 3 0 0 | 8 0 0 | 8 0 0 | 0 4 6 | 0 5 3 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 1 6 | 1 0 0 | 1 0 0 | ... |
| 6 | Bhagalpur ... | 4 4 0 | 4 8 0 | 5 0 0 | 0 5 3 | 0 5 0 | 0 6 6 | 1 13 6 | 1 13 0 | 1 14 3 | 0 9 0 | 0 9 0 | ... |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur ... | ... | ... | ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 5 0 0 | 5 0 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 5 3 | 2 3 0 | Panga. 2 3 0 | 2 6 0 | 2 2 0 | 2 4 0 | ... |

CALCUTTA,
*The 23rd August 1909.*

*the undermentioned Marts of Bengal on the 15th August 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 1 0 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 9 0 | 0 9 0 | 0 10 0 | — | ... | ... | Burdwan ... | 2 |
| ... | ... | ... | 0 8 0 | 0 7 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | 0 8 0 | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | ... | — | ... | ... | ... | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | — | ... | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 7 0 | 0 7 0 | 0 8 0 | 0 13 0 | 0 12 0 | 1 8 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 2 0 | 2 6 0 | ... | 3 12 0 | 3 12 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| 4 0 0 | 4 2 0 | ... | ... | ... | ... | Per tin. (Bull brand.) 1 9 0 | 1 8 6 | ... | Burdwan ... | 2 |
| ... | ... | ... | ... | ... | ... | Per tin. (Elephant brand.) 1 8 3 | [illegible] 0 | ... | Midnapore ... | 3 |
| 2 4 0 | 2 4 0 | ... | ... | ... | ... | Per tin. (Victoria brand.) 1 8 6 | 1 10 0 | ... | Patna ... | 4 |
| 2 8 0 | 2 8 0 | ... | 3 8 0 | 3 8 0 | ... | Per tin. (Victoria brand.) 2 0 2 | 1 12 0 | ... | Muzaffarpur ... | 5 |
| 2 3 0 | 2 2 0 | ... | 3 8 0 | 3 7 0 | ... | Per tin. 1 7 6 to 3 4 0 | 1 [illegible] 0 to 3 4 0 | (Swan brand.) (Snowflake brand.) | Bhagalpur ... | 6 |
| ... | ... | ... | 5 1 4 | 5 1 4 | ... | 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | Per tin. (Victoria brand.) 1 10 6 | 1 10 6 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | ... | 3 2 0 | 4 4 0 | ... | Per tin. [illegible] 0 0 | 2 2 0 | ... | Ranchi ... | 9 |

N. N. BANERJEI,
for *Director of Agriculture, Bengal, on tour.*

No

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 72,215 | 61,976 | 110,950 | 6 | 38 | 4,222 | ..... | 115,216 | 9,848,821 | 28 | ..... |
| Birbhum ... ... | 68,334 | ..... | 68,334 | ..... | ..... | 1 | ..... | 68,335 | ..... | 272 | ..... |
| Bankura ... ... | 5,405 | ..... | 5,465 | ..... | ..... | 204 | ..... | 5,669 | ..... | 391 | ..... |
| Midnapore ... ... | 375,120 | 12,449 | 382,901 | 2 | 26 | 1,138 | 385 | 384,452 | ..... | 987 | ..... |
| Hooghly ... ... | 206,552 | 15,178 | 216,038 | 97 | 23 | 7,089 | 70 | 223,316 | 14,836 | 22 | ..... |
| 24-Parganas ... ... | 616,255 | 121,644 | 692,282 | 225 | ..... | 23,516 | ..... | 716,023 | 33,097 | 4,953 | ..... |
| Nadia ... ... | 2,219 | 340 | 2,431 | 26,938 | 20 | 446,350 | 94,528 | 570,267 | ..... | 2,980 | ..... |
| Murshidabad ... ... | 5,130 | ..... | 5,130 | 15,624 | ..... | 61,429 | 19,880 | 1 1,463 | ..... | 347 | ..... |
| Jessore ... ... | 213 | ..... | 213 | 2,292 | ..... | 30,214 | 249 | 32,968 | ..... | 1,544 | ..... |
| Khulna ... ... | 2,846 | 20,375 | 15,580 | 400 | ..... | 8,262 | 550 | 24,792 | ..... | 630 | ..... |
| Total Bengal ... | 1,354,349 | 231,062 | 1,499,324 | 44,984 | 106 | 582,425 | 115,662 | 2,242,501 | 9,896,816 | 12,112 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna .. ... | 15 | ..... | 15 | 2,324 | ..... | 32,567 | 17,151 | 52,057 | ..... | 256 | ..... |
| Gaya ... .. | 35 | ..... | 35 | 31,518 | ..... | 19,395 | 742 | 51,690 | ..... | 333 | ..... |
| Shahabad .. ... | 21 | ..... | 21 | 87,000 | 2 | 42,901 | 1,079 | 131,003 | ..... | ..... | ..... |
| Saran ... ... | 2 | ..... | 2 | 291 | 40 | 4,592 | 13 | 4,938 | ..... | 21 | ..... |
| Champaran ... .. | ..... | ..... | ..... | 7,639 | ..... | 2,163 | ..... | 9,851 | ..... | 966 | 22 |
| Muzaffarpur ... ... | 2 | 20 | 15 | 1,645 | 1 | 3,537 | 553 | 5,751 | ..... | 598 | 3 |
| Darbhanga .. ... | ..... | ..... | ..... | 334 | ..... | 840 | ... | 1,234 | ..... | ..... | ..... |
| Monghyr ... .. | 4 | ..... | 4 | 14,646 | ..... | 78,316 | 536 | 93,502 | 43 | 1,207 | ..... |
| Bhagalpur ... ... | 10 | ..... | 10 | 31,030 | ..... | 21,332 | 1,896 | 54,268 | ..... | ..... | ..... |
| Purnea ... ... | 4 | ..... | 4 | ..... | ..... | 165 | ..... | 169 | ..... | 20 | ..... |
| Sonthal Parganas ... | 28 | ..... | 28 | 30,363 | ..... | 21,644 | 993 | 52,028 | 4,927 | 109 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | ..... |
| Cooch Behar ... .. | ..... | ..... | ..... | 1,095 | 713 | ..... | ..... | 1,808 | ..... | ..... | ..... |
| Total Bihar ... | 121 | 20 | 134 | 207,895 | 756 | 227,457 | 22,963 | 459,205 | 4,970 | 3,510 | 25 |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 5,013 | 8,340 | 10,229 | ..... | ..... | 5,393 | ..... | 15,622 | ..... | 43 | ..... |
| Balasore .. ... | 94,589 | 12,327 | 102,293 | ..... | ..... | 1,009 | ..... | 103,302 | ..... | 245 | ..... |
| Puri ... ... | 39,585 | 956 | 40,183 | ..... | 8 | ..... | ..... | 40,191 | ..... | ..... | ..... |
| Sambalpur ... ... | 11,839 | ..... | 11,839 | ..... | ..... | ..... | ..... | 11,839 | ..... | ..... | ..... |
| Mourbhanj State .. | 4,522 | 356 | 4,745 | ..... | ..... | 3 | ..... | 4,748 | ..... | 65 | ..... |
| Total Orissa ... | 155,548 | 21,985 | 169,289 | ..... | 8 | 6,405 | ..... | 175,702 | ..... | 353 | ..... |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh .. ... | 8 | ..... | 8 | ..... | ..... | ..... | ..... | 8 | 495,960 | 72 | ..... |
| Ranchi ... ... | 11 | ..... | 11 | ..... | ..... | ..... | ..... | 11 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 490 | 6 | ..... |
| Manbhum ... ... | 43 | ..... | 43 | ..... | 132 | 40 | ..... | 215 | 11,393,836 | 5 | ..... |
| Singhbhum ... ... | 5,254 | 938 | 5,853 | ..... | 7 | 2 | ..... | 5,862 | ..... | 4 | ..... |
| Total Chota Nagpur | 5,316 | 938 | 5,915 | ..... | 139 | 42 | ..... | 6,096 | 11,890,286 | 87 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 1,515,334 | 254,925 | 1,674,662 | 252,879 | 1,009 | 816,329 | 138,625 | 2,883,504 | 21,792,072 | 16,062 | 25 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| E B and Assam ... | 154,520 | 5,582 | 158,009 | 27,604 | 12 | 70,659 | 12,482 | 277,766 | ..... | 56,909 | ..... |
| Burma .. | 1,964,525 | 702,113 | 2,423,346 | 2,033 | ... | 14,471 | 6,921 | 2,446,771 | ..... | 27,915 | ..... |
| U P of Agra and Oudh | 64 | ..... | 64 | 2,736,231 | 11,985 | 416,420 | 81,219 | 3,235,919 | 3,130 | 10,751 | ..... |
| Panjab .. | 154 | ..... | 154 | 1,117 | ..... | 13,339 | 1,288 | 15,898 | ..... | 5,157 | ..... |
| Sind and British Baluchistan. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Central Provinces and Berar | 23,637 | 376 | 23,637 | 213,865 | ..... | 49,622 | ..... | 286,759 | ..... | 42,140 | ..... |
| Bombay .. ... | ..... | ..... | ..... | 696 | ..... | 7 | 2 | 705 | ..... | 5,009 | ..... |
| Madras ... ... | 982 | 1,560 | 1,937 | ..... | ..... | 15,416 | 922 | 18,296 | ..... | 14,104 | ..... |
| Rajputana and Central India | 30 | ..... | 30 | 28,236 | ..... | 10,629 | 19 | 42,911 | ..... | 8,839 | ..... |
| **GRAND TOTAL** 1909 .. | 3,678,646 | 964,556 | 4,281,494 | 3,252,658 | 13,006 | 1,419,892 | 241,479 | 9,208,529 | 21,795,202 | 186,886 | 25 |
| 1908 ... | 3,144,036 | 1,788,928 | 4,262,116 | 808,624 | 14,448 | 789,703 | 237,712 | 6,161,662 | 24,205,157 | 115,289 | 28 |
| 1907 .. | 2,093,201 | 815,416 | 2,602,526 | 917,404 | 16,995 | 1,063,523 | 111,196 | 4,701,965 | 21,181,310 | 223,557 | 472 |

* One maund of paddy is equivalent to 25 seers of rice

† Including gunny cloth, 2 yards = 1 bag

I

*by Rail, Road, River, Canal and Sea (coastwise) in the months of April and May 1909*

| Jute. | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw. | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | Nos | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | **Bengal** |
| ..... | 23,044 | 2,185 | 311 | ..... | 4 | ..... | 30 | ..... | 1,166 | 2 | Burdwan |
| 7 | 6,965 | 804 | 408 | 9 | 43 | ..... | ..... | ..... | ..... | 1 | Birbhum |
| ..... | 4,515 | 85 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 310 | Bankura |
| 317 | 28,956 | 1 | 3,202 | 202 | 36 | 32 | 5,928 | ..... | 3 | ..... | Midnapore |
| 17,728 | 8,314,176 | ..... | 3,261 | 732 | ..... | 368 | 3,102 | ..... | 14,790 | 924 | Hooghly |
| 83,715 | 20,936,372 | ..... | 346 | 270 | ..... | 56,636 | 18,904 | ..... | 3,149 | 1,872 | 24-Parganas |
| 18,038 | 224,475 | ..... | 30,545 | 1,075 | ..... | 6 | 17,693 | ..... | 4,859 | 3 | Nadia |
| 14,526 | 700 | 593 | 16,869 | 3,569 | 1,377 | ..... | 20 | ..... | ..... | ..... | Murshidabad |
| 10,457 | 2,660 | ..... | 1,600 | 276 | ..... | 25 | 23,969 | ..... | 2,411 | ..... | Jessore |
| 13,620 | 840 | ..... | 547 | 2,775 | ..... | ..... | 14,005 | ..... | 73 | ..... | Khulna |
| 158,414 | 29,337,703 | 3,968 | 57,188 | 8,908 | 4,460 | 57,067 | 85,741 | ..... | 25,451 | 3,112 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 306 | 945 | 307 | 110,644 | 34,580 | ..... | ..... | 85 | ..... | 2,013 | 5,194 | Patna |
| ..... | 4,550 | 7,591 | 122,756 | 15,811 | ..... | ..... | 119 | 1 | 390 | 2,394 | Gaya |
| ..... | 1,505 | ..... | 115,928 | 118 | ..... | 922 | 2,907 | ..... | ..... | 397 | Shahabad |
| 16 | 665 | 1,304 | 14,994 | 7,245 | ..... | ..... | 2,699 | ..... | 34 | ..... | Saran |
| 2,173 | ..... | 18 | 98,312 | 36,019 | ..... | ..... | 6 | ..... | ..... | ..... | Champaran |
| 1,432 | 1,680 | ..... | 137,029 | 71,117 | ..... | ..... | 202 | ..... | 1,601 | ..... | Muzaffarpur |
| 3,820 | 3,745 | ..... | 142,226 | 43,435 | ..... | ..... | 608 | ..... | 10,630 | ..... | Darbhanga |
| 3,460 | 15,015 | ..... | 31,050 | 54,856 | ..... | ..... | ..... | ..... | 802 | 1,670 | Monghyr |
| 7,660 | 2,485 | ..... | 61,250 | 111,972 | 2 | ..... | 3 | 1 | ..... | ..... | Bhagalpur |
| 80,262 | 18,025 | ..... | 3,352 | 30,401 | ..... | ..... | ..... | ..... | 40,364 | 112 | Purnea |
| 15,814 | 1,960 | 9,830 | 9,451 | 56,423 | ..... | ..... | ..... | ..... | ..... | ..... | Sonthal Parganas |
| 4,157 | 33,390 | ..... | ..... | 106 | ..... | ..... | ..... | 2,635 | 5,461 | ..... | Darjeeling |
| 29,761 | 105 | ..... | ..... | 179 | ..... | ..... | ..... | ..... | 5,177 | ..... | Cooch Behar |
| 148,870 | 84,070 | 19,140 | 816,992 | 402,[illegible]01 | 2 | 922 | 6,629 | 2,637 | 64,472 | 9,776 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 95 | 630 | 26 | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Cuttack |
| 24,006 | 3,640 | 3 | ..... | ..... | ..... | ..... | ..... | ..... | 88 | ..... | Balasore |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Puri |
| 163 | ..... | ..... | ..... | 32 | ..... | ..... | ..... | ..... | ..... | ..... | Sambalpur |
| ..... | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mourbhanj State |
| 25,134 | 4,270 | 34 | 30 | 32 | ..... | ..... | ..... | ..... | 88 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| ..... | 3,675 | 187 | 1,174 | 37 | ..... | ..... | ..... | ..... | ..... | ..... | Hazaribagh |
| ..... | 1,505 | 6,905 | ..... | ..... | ..... | ..... | ..... | 172 | ..... | ..... | Ranchi |
| ..... | 3,465 | 9,818 | 4,611 | 3,196 | ..... | ..... | ..... | ..... | ..... | ..... | Palamau |
| ..... | 3,010 | 18,455 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Manbhum |
| 2 | 770 | 1,253 | 2,511 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Singhbhum |
| 2 | 12,425 | 29,618 | 8,296 | 3,233 | ..... | ..... | ..... | 173 | ..... | ..... | Total Chota Nagpur |
| 332,420 | 29,638,468 | 52,760 | 912,506 | 474,434 | 1,402 | 57,989 | 90,370 | 2,809 | 90,011 | 12,889 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Places** |
| 1,074,898 | 290,360 | 2,402 | 77,136 | 136,510 | 684 | 13 | 636 | 49,358 | 40,672 | 2 | E B and Assam |
| ..... | ..... | 1,839 | ..... | ..... | ..... | 4,729 | ..... | 1 | 1,254 | 38 | Burma |
| 3,006 | 28,595 | 33,253 | 339,676 | 605,316 | ..... | 37 | 2,910 | 296 | 255 | 44 | U P of Agra and Oudh |
| ..... | 525 | ..... | ..... | 5,683 | ..... | ..... | ..... | 33 | 14 | 2 | Panjab |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 | Sind and British Baluchistan. |
| 631 | 6,050 | 661 | 38,358 | 2,575 | ..... | ..... | 480 | 1 | ..... | 76 | Central Provinces and Berar |
| ..... | ..... | ..... | ..... | ..... | ..... | 977 | ..... | 1 | 636 | 11 | Bombay |
| 13 | 55,655 | ..... | ..... | ..... | 6 | 5,130 | ..... | 48 | 2,754 | 178 | Madras |
| ..... | 10,465 | 4,836 | 95,198 | 5,157 | ..... | ..... | ..... | ..... | ..... | 2 | Rajputana and Central India |
| 1,411,568 | 30,030,718 | 95,841 | 1,462,851 | 1,229,675 | 2,152 | 68,875 | 94,405 | 52,547 | 135,596 | 13,250 | 1909 } Grand Total |
| 2,578,720 | 21,560,224 | ..... | 970,167 | 996,064 | 3,773[illegible] | 97,550 | 102,476 | 26,474 | 109,529 | 8,801 | 1908 } Grand Total |
| 1,610,800 | 26,824,393 | ..... | 1,717,685 | 1,181,836 | [illegible]608 | 90,048 | 84,964 | 50,722 | 134,954 | 8,594 | 1907 } Grand Total |

## No II

*Statement of the Routes by which the Articles enumerated in Table No. I were imported into the Calcutta Trade Block in the months of April and May 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 829,702 | 118,004 | 8,235 | 48 | 184,422 | 257 | 1,564 | 2,455 | ..... |
| „ river steamer ... | 10,107 | 5,919 | 1,209 | 20 | 11,785 | 29 | 43 | 13,546 | ..... |
| „ rail: E. I. Railway | 100,984 | 16,297 | 2,977,093 | 12,198 | 677,802 | 107,850 | 17,049,464 | 30,830 | 25 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 235,143 | 55,982 | 47,230 | 725 | 473,137 | 125,497 | 104,980 | 8,621 | ..... |
| „ rail: A.-B. Railway ... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | 1,713 | ..... |
| „ rail: B.-N. Railway ... | 211,428 | 31,551 | 216,868 | 15 | 42,948 | 1 | 4,600,537 | 44,230 | ..... |
| „ rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: B. P. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 6,272 | 63 | ..... | ..... | 2 | ..... | ..... | ..... | ..... |
| „ road ... ... | 284,134 | 30,005 | ..... | ..... | 1,783 | ..... | 38,614 | 3,495 | ..... |
| „ sea ... ... ... | 2,000,870 | 706,735 | 2,033 | ..... | 27,953 | 7,845 | ..... | 81,996 | ..... |
| Total ... 1909 ... | 3,678,646 | 964,556 | 3,252,658 | 13,006 | 1,419,85[illegible] | 241,479 | 21,705,202 | 186,886 | 25 |
| Total ... 1908 ... | 3,144,036 | 1,788,928 | 808,024 | 14,448 | 788,762 | 287,712 | 24,205,157 | 115,289 | 28 |
| Total ... 1907 ... | 2,093,201 | 815,416 | 917,404 | 16,905 | 1,053,522 | 111,196 | 21,181,310 | 222,557 | 472 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Lac. | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Tea, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 185,157 | 28,700,868 | ..... | 25,458 | 6,570 | ..... | 1,182 | 41,300 | ..... | 15,809 | 10 |
| „ river steamer ... | 424,208 | 23,800 | 57 | 24,620 | 99,397 | 61 | ..... | 367 | 26,013 | 2,052 | 6,531 |
| „ rail: E. I. Railway | 38,556 | 133,945 | 64,965 | 1,289,745 | 1,054,669 | 85 | [illegible]59 | 9,256 | 332 | 14,843 | 2,990 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 683,197 | 764,960 | 2,436 | 78,241 | 66,287 | 2,000 | 38 | 23,831 | 37,407 | 93,107 | 8 |
| „ rail: A.-B. Railway | 37,440 | 770 | ..... | ..... | 260 | ..... | ..... | ..... | 4,341 | ..... | ..... |
| „ rail: B.-N. Railway | 1,305 | 20,615 | 26,544 | 42,327 | 2,486 | ..... | ..... | 489 | 173 | 3,362 | 443 |
| „ rail: D.-S. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,896 | ..... | ..... |
| „ rail: B. P. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 929 | 6,405 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | ..... | 4 |
| „ road ... ... ... | 16,879 | 322,955 | ..... | 2,260 | ..... | ..... | 55,860 | 19,094 | ..... | 6,009 | 2,785 |
| „ sea ... ... ... | 23,897 | 56,400 | 1,839 | ..... | ..... | 6 | 10,836 | ..... | 1,365 | 1,354 | 183 |
| Total ... 1909 ... | 1,411,568 | 30,030,718 | 95,841 | 1,462,851 | 1,229,675 | 2,152 | 68,875 | 94,405 | 52,547 | 135,596 | 13,259 |
| Total ... 1908 ... | 2,575,720 | 21,560,224 | ..... | 970,167 | 990,064 | 3,773[illegible] | 97,556 | 162,476 | 26,674 | 109,529 | 8,801 |
| Total ... 1907 ... | 1,610,800 | 26,824,393 | ..... | 1,717,035 | 1,181,836 | 2,608 | 90,048 | 84,964 | 50,722 | 134,954 | 8,594 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the months of April and May 1909.*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosene oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom ... ... ... ... ... ... | 18,131 | ..... | 2,39,62,490 | ..... | ..... | 401,263 |
| Other countries ... ... ... ... ... ... | 3,179 | ..... | 1,96,436 | ..... | 168,374 | 1,237,286 |
| Total ... | 21,310 | ..... | 2,41,58,926 | ..... | 168,374 | 1,638,549 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal ... ... ... ... ... ... ... ... | ..... | 18 | ..... | ..... | ..... | ..... |
| Bombay ... ... ... ... ... ... ... ... | 186 | 23,450 | 3,750 | 12,98,781 | ..... | 208,236 |
| Madras ... ... ... ... ... ... ... ... | ..... | ..... | ..... | 44,600 | ..... | ..... |
| Burma ... ... ... ... ... ... ... ... | ..... | 140 | 2,659 | 8,017 | 586,286 | ..... |
| Total ... | 186 | 23,608 | 6,409 | 13,51,398 | 586,286 | 208,236 |
| Total ... 1909 ... | 21,496 | 23,608 | 2,41,65,335 | 13,51,398 | 754,660 | 1,846,785 |
| Total ... 1908 ... | 23,974 | 23,929 | 2,40,82,633 | 19,62,148 | 857,164 | 2,587,423 |
| Total ... 1907 ... | 26,371 | 25,394 | 3,64,69,998 | 17,54,719 | 862,720 | 2,915,817 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the months of April and May 1909*

| | Food-grains | | | | | | | | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | | | |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,422 | ..... | 1,422 | ..... | 666 | 217 | ..... | 2,245 | 2,395 | 3 | ..... |
| Eastern Bengal and Assam. | ..... | ..... | ..... | 4 | 2,080 | 429 | ..... | 2,513 | 165,158 | ..... | ..... |
| Bombay ... ... | 22,723 | ..... | 22,723 | ..... | ..... | ..... | 696 | 23,419 | 5,113,066 | ..... | 37 |
| Sind and British Baluchistan. | 200 | ..... | 200 | ..... | ..... | ..... | ..... | 200 | 3,034,461 | ..... | ..... |
| Madras ... ... | 30,474 | ..... | 30,474 | ..... | 8,364 | 68,019 | 720 | 107,577 | 1,922,271 | ..... | 40 |
| Burma ... ... | 7,026 | ..... | 7,026 | 6,132 | 39,821 | 70,588 | 6,103 | 129,670 | 1,730,952 | 1 | ..... |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pondichery ... | ..... | ..... | ..... | ..... | 500 | 688 | ..... | 1,188 | 214,919 | 4,837 | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 185,492 | ..... | ..... |
| Alleppey ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | 61,845 | ..... | 61,845 | 6,134 | 51,371 | 139,941 | 7,519 | 266,812 | 12,369,614 | 4,841 | 77 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 154,438 | 4 | 154,440 | 1,573,952 | 1,126 | 259,359 | 34,716 | 2,023,590 | 1,252 | 4,483 | 1,142 |
| Other countries | 1,118,500 | 30 | 1,118,519 | 159,771 | 22,546 | 226,356 | 12,345 | 1,539,537 | 2,240,545 | 59,249 | 1,179 |
| Total ... | 1,272,938 | 34 | 1,272,959 | 1,733,723 | 23,669 | 485,715 | 47,061 | 3,563,127 | 2,241,797 | 63,732 | 2,321 |
| Total ... 1909 ... | 1,334,783 | 34 | 1,334,804 | 1,739,859 | 75,040 | 625,656 | 54,580 | 3,829,939 | 14,611,411 | 68,573 | 2,398 |
| Total ... 1908 ... | 638,708 | 57,462 | 674,721 | 9,342 | 40,66[illegible] | 105,787 | 13,128 | 852,570 | 13,789,142 | 50,905 | 3,329 |
| Total ... 1907 ... | 1,150,122 | ..... | 1,15[illegible]22 | 56,741 | 84,968 | 271,988 | 17,063 | 1,580,882 | 11,641,940 | 2[illegible]2,806 | 2,129 |

| | Jute | | Lac, | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... .. | ..... | 24,500 | ..... | ..... | ..... | ..... | 1,154 | 14 | 3 | 634 | 36 |
| Eastern Bengal and Assam. | ..... | 35,590 | 1 | ..... | ..... | ..... | 2,170 | 1,071 | 4 | 10 | 18 |
| Bombay ... ... | ..... | 4,3[illegible]40 | ..... | ..... | 1,725 | ..... | 1,477 | ..... | 2,704 | ..... | 125 |
| Sind and British Baluchistan. | ..... | 1,310,800 | ..... | ..... | ..... | ..... | ..... | ..... | 236 | ..... | 225 |
| Madras ... ... | ..... | 1,070,500 | ..... | ..... | 5,844 | ..... | 663 | 4,083 | 193 | 2 | 201 |
| Burma ... ... | ..... | 6,415,700 | 7 | 65 | ..... | 8 | 3,634 | 4,157 | 1,481 | 9,224 | 1,160 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... |
| Pondichery ... | ..... | 119,100 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | ..... | 8,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | ..... | 13,296,530 | 8 | 65 | 7,569 | 8 | 9,098 | 10,225 | 4,644 | 9,870 | 1,765 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 254,665 | 6,727,900 | 17,214 | 835,229 | 35,878 | 602 | ..... | ..... | 11,324 | 0 | 11 |
| Other countries | 1,147,047 | 129,598,864 | 93,949 | 220,967 | 235,169 | 1,182 | 15 | ..... | 4,556 | 3,052 | 214 |
| Total ... | 1,401,712 | 136,326,764 | 111,163 | 1,056,196 | 271,047 | 1,784 | 15 | ..... | 15,880 | 3,058 | 225 |
| Total ... 1909 ... | 1,401,712 | 149,623,294 | 111,171 | 1,056,261 | 278,616 | 1,792 | 9,113 | 10,225 | 20,524 | 12,928 | 1,990 |
| Total ... 1908 ... | 2,366,653 | 123,962,000 | ..... | 374,403 | 246,996 | 1,937 | 9,495 | 2,949 | 17,426 | 15,819 | 1,568 |
| Total ... 1907 ... | 1,473,950 | 144,448,210 | ..... | 853,744 | 200,431 | 3,870 | 16,764 | 8,037 | 38,668 | 27,518 | 5,049 |

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the months of April and May 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| **Bengal** | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| Burdwan | 177 | 2,014 | 4,74,810 | 48,200 | 160,818 | 792 | 19,128 | 67,970 |
| Birbhum | 481 | 2,524 | 3,98,332 | 36,083 | 110,460 | 54 | 6,616 | 48,031 |
| Bankura | 62 | 1,422 | 93,044 | 1,669 | 11,375 | 1 | ..... | 25,343 |
| Midnapore | 1,646 | 2,370 | 5,86,539 | 1,24,924 | 71,398 | 220 | 10,231 | 99,165 |
| Hooghly | 682 | 1,354 | 3,06,597 | 2,18,008 | 85,359 | 8,303 | 15,098 | 56,407 |
| 24-Parganas | 1,222 | 305 | 3,72,532 | 2,97,483 | 84,476 | 29,035 | 22,433 | 40,700 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 124,491 | ..... |
| Nadia | 1,685 | 3,835 | 8,57,906 | 1,14,668 | 310,529 | 4,042 | 22,444 | 71,269 |
| Murshidabad | 19 | 1,043 | 3,82,708 | 20,604 | 182,935 | 588 | 10,507 | 59,545 |
| Jessore | 2 | 2,177 | 8,154 | 3,05,529 | 3,555 | 2,405 | 5,775 | 29,658 |
| Khulna | 20 | 313 | 28,048 | 3,18,834 | 13,090 | 5,204 | 2,577 | 18,777 |
| Total Bengal | 5,996 | 17,217 | 35,08,569 | 14,85,987 | 1,033,995 | 50,734 | 239,294 | 516,860 |
| **Bihar** | | | | | | | | |
| Patna | 1,174 | 1,135 | 5,58,673 | 6,043 | 427,140 | 741 | 26,605 | 70,226 |
| Gaya | 42 | 2,315 | 3,70,406 | 3,674 | 95,410 | 13 | 11,090 | 51,907 |
| Shahabad | 5 | 538 | 7,35,162 | 6,102 | 235,025 | 45 | 6,006 | 32,369 |
| Saran | 172 | 310 | 7,98,020 | 296 | 21,175 | 165 | 8,294 | 49,401 |
| Champaran | 19 | 490 | 6,94,305 | 25,892 | 96,810 | 368 | 7,153 | 50,628 |
| Muzaffarpur | 26 | 384 | 7,08,881 | 9,882 | 278,915 | 65 | 8,194 | 63,766 |
| Darbhanga | 59 | 2,014 | 7,97,432 | 533 | 51,730 | 102 | 22,035 | 76,464 |
| Monghyr | 111 | 2,118 | 6,25,629 | 18,723 | 159,215 | 369 | 14,600 | 54,749 |
| Bhagalpur | 65 | 1,262 | 6,16,298 | 3,318 | 120,260 | 64 | 16,653 | 76,747 |
| Purnea | ..... | 1,163 | 4,60,902 | 20,264 | 41,405 | 64 | 14,535 | 64,100 |
| Sonthal Parganas | 90 | 3,784 | 2,17,853 | 574 | 134,120 | 52 | 12,839 | 52,500 |
| Darjeeling | ..... | 597 | 1,30,400 | 31,640 | 22,155 | 349 | 5,025 | 22,631 |
| Cooch Behar | ..... | 109 | 1,26,823 | 14,339 | 8,505 | 26 | 2,005 | 12,474 |
| Total Bihar | 763 | 16,219 | 68,41,024 | 1,41,180 | 1,691,865 | 2,423 | 155,724 | 683,962 |
| **Orissa** | | | | | | | | |
| Cuttack | 624 | 4,744 | 1,35,898 | 24,379 | 27,160 | 65 | ..... | 3,861 |
| Balasore | 707 | 4,862 | 83,572 | 1,074 | 98,360 | 6 | 3,890 | 38,395 |
| Puri | 13 | 443 | 27,311 | 601 | 8,855 | 15 | ..... | |
| Sambalpur | 45 | 75 | 50,451 | 383 | 45,290 | 1 | ..... | 5 |
| Mourbhanj State | ..... | 142 | 9,724 | ..... | 4,340 | 3 | ..... | 5,366 |
| Total Orissa | 1,389 | 10,266 | 3,06,951 | 26,437 | [illegible]4,005 | 90 | 3,890 | 47,627 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | ..... | 1,090 | 65,57[illegible] | 7,656 | 1,155 | 215 | 1,904 | 28,390 |
| Ranchi | ..... | 282 | 82,370 | 2,257 | 5,110 | 38 | 1,300 | 35,75[illegible] |
| Palamau | 9 | 49 | 91,993 | 1,541 | 7,910 | 7 | 1,310 | 21,345 |
| Manbhum | 2 | 2,189 | 1,99,582 | 6,162 | 13,790 | 609 | 11,242 | 55,429 |
| Singhbhum | ..... | 290 | 47,129 | 948 | [illegible]70 | 63 | ..... | 34,510 |
| Gangpur (Tributary State) | ..... | 16 | 11,630 | ..... | [illegible]65 | 10 | ..... | 386 |
| Total Chota Nagpur | 11 | 4,016 | 4,98,278 | 18,564 | [illegible],300 | 942 | 15,816 | 175,853 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 9,159 | 47,618 | 1,11,54,822 | 16,72,168 | 2,965,165 | 54,189 | 414,724 | 1,424,302 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 14,599 | 12,702 | 65,50,518 | 15,34,049 | 423,856 | 33,535 | 199,134 | 719,856 |
| Burma | 775 | 6,606 | 88,031 | 48,790 | 6,415,709 | ..... | ..... | 54 |
| U. P. of Agra and Oudh | 1,830 | 451 | 67,58,203 | 1,80,240 | 2,686,425 | 1,844 | 89,336 | 75,344 |
| Panjab | 955 | 70 | 14,01,220 | 1,06,414 | 1,830,215 | 400 | 3,966 | 21 |
| Sind and British Baluchistan | ..... | ..... | 417 | ..... | 1,327,[illegible] | ..... | ..... | ..... |
| Kashmir State | ..... | ..... | 810 | ..... | 35 | ..... | ..... | ..... |
| Central Provinces and Berar | 112 | 88 | 2,06,672 | 6,348 | 601,[illegible]55 | 114 | 3,242 | 1,584 |
| Bombay | ..... | ..... | 12,447 | 3,589 | 4,524,885 | ..... | ..... | ..... |
| Madras | 186 | 1,816 | 85,971 | 13,076 | 1,181,975 | 29 | ..... | 197 |
| Rajputana and Central India | 174 | 6 | 3,30,550 | 1,203 | 115,640 | 22 | 2,968 | ..... |
| Nizam's Territory | 53 | ..... | 24,658 | 119 | 38,045 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 298 | 205 | ..... | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 8,500 | ..... | ..... | ..... |
| Pondichery | ..... | ..... | ..... | ..... | 119,100 | ..... | ..... | ..... |
| Port Blair | 2 | [illegible]9 | 480 | 120 | 300 | ..... | 105 | ..... |
| Grand Total — 1909 | 27,345 | 69,676 | 2,66,75,097 | 35,72,321 | 22,247,810 | 90,133 | 713,475 | 2,222,558 |
| Grand Total — 1908 | 25,199 | 72,913 | 3,64,45,410 | 20,58,953 | 19,585,501 | 75,681 | 496,612 | 2,160,604 |
| Grand Total — 1907 | 33,778 | 66,405 | 3,25,78,061 | 14,84,584 | 22,316,216 | 84,717 | 704,445 | 2,019,080 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

## No VI

*Statement of the Routes by which the Articles enumerated in Table No. V were exported from the Calcutta Trade Block in the months of April and May 1909*

| Routes | Cotton twist and yarn | | Cotton piece-goods* | | Gunny-bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge-Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| By boat ... ... ... ... ... ... ... ... | 1,148 | 908 | 3,16,500 | 3,50,300 | 93,433 | 23,364 | 28,908 | 297,999 |
| „ river steamer ... ... ... ... ... ... | 15,280 | 2,953 | 42,73,596 | 7,64,195 | 269,710 | 10,353 | 143,739 | 433,693 |
| „ rail — E. I. Railway ... ... ... ... ... | 2,416 | 17,768 | 84,20,059 | 3,98,634 | 3,470,565 | 2,895 | 175,839 | 429,461 |
| „ rail — E. B. S. Railway (including B. C. Railway) | 1,910 | 14,715 | 47,87,948 | 10,23,832 | 747,915 | 8,503 | 247,029 | 511,446 |
| „ rail — A.-B. Railway ... ... ... ... ... | 1,336 | 3,662 | 3,23,806 | 5,64,842 | 59,410 | 1,117 | 965 | 7,468 |
| „ rail — B.-N. Railway ... ... ... ... ... | 1,105 | 15,278 | 11,12,040 | 45,845 | 628,865 | 467 | 4,252 | 216,838 |
| „ rail — B. and N.-W. Railway ... ... ... ... | 337 | 3,751 | 48,70,072 | 30,145 | 1,123,640 | 1,080 | 70,004 | 348,859 |
| „ rail — O. and R. Railway ... ... ... ... | 54 | 17 | 12,37,606 | 17,538 | 609,840 | 945 | 25,303 | ..... |
| „ rail — Howrah-Amta and Howrah-Sheakhala Light Railways | 167 | ..... | 1,22,111 | ..... | 4,165 | 513 | ..... | 4,859 |
| „ rail — Minor Railways ... ... ... ... ... | 902 | 116 | 7,59,053 | 19,983 | 1,939,445 | 932 | 5,734 | 256 |
| „ road ... ... ... ... ... ... ... ... | 1,314 | 544 | 3,42,406 | 2,96,042 | 34,590 | 30,464 | 3,701 | 27,061 |
| „ sea ... ... ... ... ... ... ... ... | 1,376 | 0,964 | 1,09,805 | 34,526 | 13,296,530 | ..... | 3,981 | 3,457 |
| Total ... 1909 ... | 27,345 | 69,676 | 2,66,75,097 | 3,72,321 | 22,247,810 | 90,133 | 713,475 | 2,223,358 |
| Total ... 1908 ... | 25,199 | 72,913 | 3,04,45,410 | 26,58,953 | 19,585,501 | 75,661 | 496,612 | 2,160,604 |
| Total ... 1907 ... | 33,778 | 66,405 | 3,25,78,061 | 14,84,584 | 23,316,216 | 54,717 | 704,445 | 2,049,980 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter
† Including gunny cloth, 2 yards = 1 bag

F. NOEL-PATON,
*Director-General of Commercial Intelligence.*

*August 23, 1909.*

J. G. CUMMING,
*Offg. Secretary to the Government of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 21st August 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 21st August 1909. | | | Week ending Saturday, the 22nd August 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 559 | 50,432 | 803 | 557 | 62,557 | 751 |
| Jute ... ... | 170 | 20,633* | 352 | 53 | 8,960† | 145 |
| Firewood ... ... | 45 | 34,220 | 538 | 55 | 40,545 | 618 |
| Other articles ... ... | 704 | 2,56,757 | 2,561 | 685 | 2,09,623 | 2,028 |
| Total ... | 1,478 | 3,62,042 | 4,254 | 1,350 | 3,21,685 | 3,542 |

* Weight by canal measurement, 24,187½ maunds.
† Ditt ditto 11,250 ,,

CALCUTTA,
*The 24th August 1909.*

R. H. HALFHIDE,
for *Under-Secy. to the Govt. of Bengal.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of July 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilized. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system .. ... ... | 1,342 | 523 | 377 | 62,[illegible] | 71,252 | 62,928 | ... | ... | ... | ... | ... | 62,928 | 25·49 | 43·54 | 12·90 | 38·09 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 981 | 656 | 79,25[illegible] | 76,270 | 86,2[illegible]4 | 2,602 | ... | ... | 40 | 9,642 | 95,846 | 18·96 | 44·40 | 10·20 | 26·29 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 217 | 213 | 24,956 | 27,655 | 24,956 | ... | ... | ... | ... | ... | 24,956 | 17·86 | 39·99 | 9·84 | 20·76 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 728 | 24 | 15 | 5,434 | 5,128 | 5,434 | ... | ... | ... | ... | ... | 5,434 | 18·97 | 45·10 | 8·87 | 10·11 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jajpur Canal ... ... ... ... | 700 | 198 | 174 | 16,952 | 20,229 | 16,943 | 2 | ... | 5 | 6 | 13 | 16,955 | 17·88 | 38·38 | 10·30 | 24·18 | Jajpur. |
| | Balasore | Dudhai Canal ... ... ... | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 230 | 203 | 34,911 | 37,341 | 34,498 | ... | ... | 372 | 6 | 378 | 34,876 | 19·66 | 43·64 | 7·63 | 16·[illegible] | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 234,432 | 238,175 | 230,962 | 2,604 | ... | 377 | 52 | 10,033 | 240,995 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 253,770 | 4,844 | ... | 463 | 29 | 5,336 | 259,106 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 389 | 290 | 56,947 | 32,105 | 45,598 | 14,308 | ... | ... | ... | 14,308 | 60,206 | 10·01 | 30·74 | 18·17 | 35·99 | |
| | | Panchkura ... ... ... | 522 | 24 | 6 | 5,082 | 840 | 4,897 | 344 | ... | ... | ... | 344 | 5,241 | 10·63 | 28·81 | 12·80 | 32·67 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 11·15 | 36·93 | 24·54 | 49·07 | |
| | | Total Midnapore Canal ... | ... | ... | ... | 62,029 | 32,945 | 50,795 | 14,652 | ... | ... | ... | 14,652 | 65,447 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 52,109 | ... | ... | ... | ... | ... | 52,109 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... ... | 1,000 | 275 | 275 | 10,442 | 13,513 | 17,324 | 676 | 1 | ... | ... | 677 | 18,001 | 6·50 | 46·41 | 20·37 | 49·96 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 19,765 | 204 | ... | ... | ... | 204 | 19,969 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,850 | 3,255 | 159 | 19,682 | 20,908 | 15,685 | 4,092 | ... | ... | 584 | 4,676 | 20,361 | 15·23 | 27·74 | 11·53 | 15·47 |
| | | Buxar | - | 904 | 479 | 104,707 | 101,697 | 87,419 | 9,932 | ... | ... | 10,053 | 19,985 | 107,404 | 10·75 | 23·72 | 6·06 | 10·09 |
| | | Arrah | 2,650 | 1,811 | 1,165 | 171,235 | 167,029 | 133,762 | 22,742 | ... | ... | 15,830 | 38,572 | 172,384 | | | | |
| | Patna and Gaya | Eastern Main | 1,850 | 1,283 | 813 | 3,777 | 3,667 | 2,970 | 889 | ... | ... | ... | 889 | 3,859 | 8·74 | 20·99 | 3·81 | 6·84 |
| | | Patna | | | | 117,267 | 104,497 | 85,176 | 24,672 | ... | ... | 9,169 | 33,841 | 119,017 | | | | |
| | | Total Sone Canals | ... | ... | ... | 416,668 | 397,798 | 325,012 | 62,327 | ... | ... | 35,636 | 97,963 | 423,975 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 327,339 | 60,348 | ... | ... | 21,752 | 82,100 | 409,439 | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | Nil | Nil | 115 | 294 | ... | ... | ... | ... | 66 | 66 | 66 | 19·11 | 35·48 | 9·70 | 14·27 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 43 | ... | ... | 233 | 276 | 276 | ... | ... | ... | ... |
| | | Dhaka | 309 | 9 | 7 | 745 | 922 | .. | [illegible] | ... | ... | 240 | 841 | 841 | 14·91 | 34·97 | 8·55 | 14·61 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 335 | 335 | 335 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 714,4[illegible] | 682,947 | 624,093 | 87,860 | 1 | 377 | 35,904 | 134,232 | 748,335 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 652,923 | 65,499 | .. | 463 | 22,349 | 83,311 | 741,234 | ... | ... | ... | ... |

* Provisional lease.
† Covering lease.

CALCUTTA,
*The 23rd August 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st August 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| August | 15th | 143·3 | 5·8 | 29·704 | 83·0 | 89·0 | 11·4 | 77·6 | 79·1 | 0·948 | 77·6 | 85 | SSE, SW by W and S. | 60 | 0·01 | Partially cloudy, o. |
| ,, | 16th | 149·5 | 7·8 | 694 | 84·2 | 90·7 | 12·4 | 78·3 | 78·8 | ·935 | 77·2 | 84 | S and SSW ... | 77 | Nil | Partially cloudy. |
| ,, | 17th | 148·2 | 6·8 | ·665 | 84·6 | 90·7 | 11·7 | 79·0 | 79·8 | ·955 | 77·5 | 81 | SSW and WSW... | 100 | Nil | Partially cloudy. |
| ,, | 18th | 127·7 | 0·4 | ·677 | 82·9 | 88·6 | 10·8 | 77·8 | 79·2 | ·967 | 78·2 | 89 | SSW, WSW and W by S. | 78 | 0·45 | Chiefly cloudy, o, d, p. |
| ,, | 19th | 151·5 | 3·9 | ·689 | 84·8 | 89·9 | 9·7 | 80·2 | 80·8 | ·999 | 79·2 | 83 | W by S, SW and SSW. | 74 | 0·02 | Partially cloudy, o. |
| ,, | 20th | 148·1 | 0·9 | ·623 | 82·3 | 86·9 | 8·6 | 78·3 | 79·1 | ·957 | 77·9 | 87 | SSE and SSW ... | 54 | 0·45 | Chiefly cloudy, o, g, d, t, p. |
| ,, | 21st | 149·4 | 7·2 | ·598 | 85·5 | 91·8 | 12·0 | 79·8 | 80·4 | ·987 | 78·8 | 85 | SSW, E by S and SW by S. | 76 | 0·02 | Partially cloudy, o. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·664 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·590 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 32·8 |
| The maximum possible number of hours of sunshine ... ... ... | 89·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 83·9 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·1 |
| The extreme variation of temperature ... ... ... ... | 14·2 |
| The maximum temperature ... ... ... ... | 91·8 |
| | Miles. |
| The highest velocity of the wind in one ... ... ... | 11 |
| | % |
| The mean relative humidity ... ... ... ... ... | 85 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 87 |
| The total fall of rain from 15th to 21st August 1909 ... ... ... | 0·95 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·63 |
| The total fall from 1st January to 21st August 1909 ... ... ... | 51·99 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 44·63 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; t, thunder; d, drizzling rain; p, passing temporary showers.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 23rd August 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of May 1909, as compared with the same month of the previous year.*

| No. | STAPLES. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | EXPLANATIONS OF FLUCTUATIONS BY TRAFFIC SUPERINTENDENT. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 29 | 33 | ..... | 4 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 61,487 | 52,015 | 9,472 | ..... | |
| 3 | Cotton— | | | | | |
| | (1) Raw ... ... ... ... ... ... | 263 | 266 | ..... | 3 | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European ... ... | 77 | 69 | 8 | ..... | |
| | (b) Ditto, Indian ... ... | 392 | 468 | ..... | 76 | |
| | (c) Piece-goods, European ... ... | 1,383 | 1,695 | ..... | 312 | |
| | (d) Ditto, Indian ... ... | 496 | 687 | ..... | 191 | |
| | (e) Others ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| 4 | Chemicals, excepting saltpetre ... ... | 154 | 136 | 18 | ..... | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium ... ... | 8 | 5 | 3 | ..... | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations ... ... | 18 | 8 | 10 | ..... | |
| | (b) Others ... ... ... ... ... | 39 | 49 | ..... | 10 | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes ... ... | ..... | ..... | ..... | ..... | |
| | (3) Cutch ... ... ... ... ... ... | 19 | 36 | ..... | 17 | |
| | (4) Indigo ... ... ... ... ... ... | 2 | 1 | 1 | ..... | |
| | (5) Myrabolams ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Turmeric ... ... ... ... ... | 377 | 578 | ..... | 201 | |
| | (8) Others ... ... ... ... ... ... | 9 | 13 | ..... | 4 | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake ... ... ... ... ... ... | 1,331 | 1,148 | 183 | ..... | |
| | (2) Hay, straw and grass ... ... ... | 2,505 | 3,491 | ..... | 986 | |
| 8 | Fruits and vegetables, fresh ... ... ... | 1,974 | 1,615 | 359 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse ... ... ... ... | 7,909 | 5,132 | 2,777 | ..... | |
| | (2) Jawar and bajra ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (3) Rice in the husk ... ... ... ... | 24,223 | 13,454 | 10,769 | ..... | |
| | (4) Do. not in the husk ... ... ... | 24,993 | 8,188 | 16,805 | ..... | |
| | (5) Wheat ... ... ... ... ... ... | 837 | 514 | 323 | ..... | |
| | (6) Do. flour ... ... ... ... ... | 814 | 750 | 64 | ..... | |
| | (7) Others ... ... ... ... ... ... | 1,534 | 870 | 664 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Raw ... ... ... ... ... | 885 | 695 | 190 | ..... | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Raw ... ... ... ... ... | 134 | 44 | 90 | ..... | |
| 11 | Horns ... ... ... ... ... ... | 6 | 1 | 5 | ..... | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 1,126 | 229 | 897 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw ... ... ... ... ... ... | 12,414 | 69,878 | ..... | 57,464 | |
| | (2) Gunny-bags and cloth ... ... ... | 2,060 | 1,336 | 724 | ..... | |
| 14 | Lac ... ... ... ... ... ... ... | 40 | 107 | ..... | ..... | |
| 15 | Leather— | | | | | |
| | (1) Unwrought ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Wrought, excepting boots and shoes ... | ..... | 1 | ..... | 1 | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer ... ... ... ... | 25 | 58 | ..... | 33 | |
| | (2) Spirits of all kinds, including country spirit. | 159 | 68 | 91 | ..... | |
| | (3) Wine ... ... ... ... ... ... | | | | | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | ..... | ..... | ..... | ..... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought ... ... ... ... | 44 | 43 | 1 | ..... | |
| | (2) Do., manufactured ... ... ... | 184 | 227 | ..... | 43 | |
| | (3) Copper, unwrought ... ... ... ... | 2 | 1 | 1 | ..... | |
| | (4) Do., manufactured ... ... ... | 22 | 1 | 21 | ..... | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought ... ... ... ... | ..... | 36 | ..... | 36 | |
| | (b) Wrought ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 2,460 | 2,989 | ..... | 529 | |
| | (ii) Machinery and mill works ... | 215 | 813 | ..... | 598 | |
| | (iii) Other manufactured, including hardware and cutlery. | 795 | 1,264 | ..... | 469 | |
| | (6) Metallic ores ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Others ... ... ... ... ... ... | 1,369 | 806 | 563 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone ... ... ... ... | 2,551 | 2,278 | 273 | ..... | |
| | (2) Chalk ... ... ... ... ... ... | | | | | |
| | (3) Lime ... ... ... ... ... ... | 1,910 | 2,442 | ..... | 532 | |
| | (4) Others ... ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| 19 | Oils— | | | | | |
| | (1) Kerosine ... ... ... ... ... | 7,756 | 12,762 | ..... | 5,006 | |
| | (2) Castor ... ... ... ... ... | 13 | 16 | ..... | 3 | |
| | (3) Cocoanut ... ... ... ... ... | 176 | 153 | 23 | ..... | |
| | (4) Mustard and rape ... ... ... ... | 565 | 744 | ..... | 179 | |
| | (5) Others ... ... ... ... ... | 461 | 56 | 375 | ..... | |

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 20 | Oilseeds— | | | | | |
| | (1) Castor ... | 196 | 47 | 149 | ..... | |
| | (2) Earthnuts ... | ..... | ..... | ..... | ..... | |
| | (3) Linseed ... | 969 | 724 | 245 | ..... | |
| | (4) Poppy ... | ..... | ..... | ..... | ..... | |
| | (5) Rape and mustard ... | 3,770 | 2,980 | 790 | ..... | |
| | (6) Til or jinjilli ... | 161 | 97 | 64 | ..... | |
| | (7) Others ... | 184 | 53 | 131 | ..... | |
| 21 | Opium ... | 6 | 1 | 5 | ..... | |
| 22 | Paper and pasteboard ... | 925 | 655 | 270 | ..... | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts ... | 1 | 8 | ..... | 7 | |
| | (2) Ghee ... | 69 | 62 | 7 | ..... | |
| | (3) Others ... | 930 | 1,045 | ..... | 115 | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates ... | 196 | 270 | ..... | 74 | |
| | (b) Sleepers and keys of steel and cast-iron. | 6 | ..... | 6 | ..... | |
| | (c) Others ... | 248 | 529 | ..... | 281 | |
| 25 | Salt ... | 11,468 | 9,801* | 1,667 | ..... | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre ... | 5 | 43 | ..... | 38 | |
| | (2) Other saline substances ... | 173 | 206 | ..... | 33 | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign ... | ..... | ..... | ..... | ..... | |
| | (b) Indian ... | 44 | 46 | ..... | 2 | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign ... | ..... | ..... | ..... | ..... | |
| | (b) Indian ... | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts ... | 911 | 991 | ..... | 80 | |
| | (2) Cardamoms ... | 22 | 42 | ..... | 20 | |
| | (3) Chillies ... | 519 | 647 | ..... | 128 | |
| | (4) Ginger ... | 184 | 126 | 58 | ..... | |
| | (5) Pepper ... | 28 | 71 | ..... | 43 | |
| | (6) Others ... | 509 | 475 | 34 | ..... | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallised, including sugar-candy. | 1,373 | 1,414 | ..... | 41 | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar ... | 1,296 | 1,594 | ..... | 298 | |
| | (b) Gur, *rab*, jaggery, molasses, and other saccharine produce. | 3,031 | 1,627 | 1,404 | ..... | |
| 30 | Tea— | | | | | |
| | (1) Foreign ... | ..... | ..... | ..... | ..... | |
| | (2) Indian ... | 503 | 624 | ..... | 121 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured ... | 5,396 | 4,250 | 1,146 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars ... | ..... | ..... | ..... | ..... | |
| | (b) Other sorts ... | 73 | 93 | ..... | 20 | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought ... | 5,836 | 5,201 | 635 | ..... | |
| | (2) Manufactured ... | 433 | 724 | ..... | 291 | |
| 33 | Wool— | | | | | |
| | (1) Raw ... | 235 | 78 | 157 | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs ... | ..... | ..... | ..... | ..... | |
| | (b) Piece-goods, European ... | 13 | 4 | 9 | ..... | |
| | (c) Ditto, Indian ... | | | | | |
| | (d) Other sorts of manufactures ... | ..... | ..... | ..... | ..... | |
| 34 | All other articles of merchandise ... | 7,128 | 8,457 | ..... | 1,329 | |
| | Total ... | 212,985 | 231,183 | 51,487 | 69,685 | |

CALCUTTA, *the 18th August 1909.*

P. C. MOLE,
*Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 7th August 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 491,544 | 4 37,830 0 0 | 50,76,285 0 | 7,81,643 0 0 | 47,157 0 0 | 12,66,630 0 0 | 159,155 | 148,431 | 307,586 |
| Or per mile of railway ... | ..... | 190 15 11 | ..... | 340 15 7 | 20 9 2 | 552 8 8 | ..... | ..... | ..... |
| For previous 4½ weeks of half-year | 2,267,579 | 18,55,387 0 0 | 2,55,00,119 0 | 39,89,655 0 0 | 2,05,886 0 0 | 60,50,928 0 0 | 704,240 | 767,375 | 1,471,615 |
| Total for 5½ weeks ... | 2,759,123 | 22,93,217 0 0 | 3,05,76,404 0 | 47,71,298 0 0 | 2,53,043 0 0 | 73,17,558 0 0 | 863,395 | 915,806 | 1,779,201 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 507,181 | 4,48,391 9 9 | 67,89,405 20 | 10,53,816 14 6 | 45,692 6 0 | 15,47,900 14 3 | 162,073 | 214,023 | 376,096 |
| Per mile of railway corresponding week of previous year. | ..... | 195 9 8 | ..... | 459 11 3 | 19 14 11 | 675 3 10 | ..... | ..... | ..... |
| Total for corresponding 5½ weeks of previous year. | 2,937,770 | 24,59,229 7 1 | 3,90,44,827 10 | 58,67,799 8 9 | 2,31,932 6 2 | 85,58,961 6 0 | 884,530 | 1,233,541 | 2,118,071 |

(a) The decrease is chiefly in coal and general merchandise.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | [illegible],303 | 88,76,828 | 14,22,529 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th " ... | 502,716 | 4,[illegible],780 | 54,45,775 | 8,93,870 | 44,177 | 13,46,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | " " 24th " ... | 473,208 | 3,9[illegible]11 | 58,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | " " 31st " ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,069 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| 2,292·37 | " " 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| | Totals up to date ... | 2,759,123 | 22,93,217 | 3,05,76,404 | 47,71,298 | 2,53,043 | 73,17,558 | 588 | 1,779,201 | 4 1 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th " ... | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | 42,34[illegible] | 14,89,182 | 650 | 3[illegible],907 | 3 13 9 |
| 2,292·38 | " " 25th " ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,843 | 45,4[illegible] | 15,45,652 | 674 | 377,627 | 4 1 6 |
| 2,292·38 | " " 1st Aug. ... | 497,536 | 4,13,416 | 69,17,570 | 10,92,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | " " 8th " ... | 507,181 | 4,48,391 | 67,89,405 | 10,53,817 | 45,6[illegible] | 15,47,901 | 675 | 376,096 | 4 1 10 |
| | Totals up to date ... | 2,937,770 | 24,59,229 | 3,90,44,827 | 58,67,799 | 2,31,933 | 85,58,961 | 670 | 2,118,071 | 4 0 8 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 7th August 1909 on [illegible]2·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 18,475 | 4,930 0 0 | 11,795 0 | 407 0 0 | 13 0 0 | 5,350 0 0 | 1,237 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 221 15 7 | ... | 18 5 2 | 0 9 4 | 240 14 1 | ... | ... | ... |
| For previous 4½ weeks of half-year | 103,86 | 22,828 0 0 | 52,577 0 | 2,032 0 0 | 50 0 0 | 24,910 0 0 | 5,967 | 677 | 6,644 |
| Total for 5½ weeks ... | 122,343 | 27,758 0 0 | 64,372 0 | 2,439 0 0 | 63 0 0 | 30,260 0 0 | 7,204 | 836 | 8,140 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 21,596 | 5,738 6 8 | 54,749 10 | 315 8 0 | 4 3 3 | 6,058 1 11 | 1,375 | 121 | 1,496 |
| Per mile of railway corresponding week of previous year ... ... | ... | 258 5 11 | ... | 14 3 4 | 0 3 0 | 272 12 3 | ... | ... | ... |
| Total for corresponding 5½ weeks of previous year ... ... ... | 148,708 | 33,543 1 10 | 1,60,042 10 | 2,459 15 0 | 35 0 9 | 36,038 1 7 | 7,579 | 825 | 8,404 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,007 | 453 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 26,502 | 5,165 | 11,798 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " ... | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 3,951 | 13,809 | 419 | 13 | 4,393 | 198 | 1,540 | 2 13 8 |
| 22·21 | " " 7th August... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| | Totals up to date ... | 122,343 | 27,758 | 64,372 | 2,439 | 63 | 30,260 | 251 | 8,140 | 3 11 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 13 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 20,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | " " 1st August... | 19,748 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,733 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| | Totals up to date ... | 143,708 | 33,549 | 1,60,042 | 2,460 | 35 | 36,038 | 291 | 8,404 | 4 4 7 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 7th August 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 30,164 | 24,024 0 0 | 1,66,953 0 | 11,791 0 0 | 114 0 0 | 35,929 0 0 | 10,137 | 2,809 | 12,946 |
| Or per mile of railway ... ... | ..... | 147 15 6 | ..... | 72 9 11 | 0 11 3 | 221 4 8 | ... | ... | ... |
| For previous 4½ weeks of half-year | 126,622 | 1,03,340 0 0 | 5,27,991 0 | 42,156 0 0 | 565 0 0 | 1,46,364 0 0 | 42,199 | 13,438 | 55,637 |
| Total for 5½ weeks ... | 1,56,786 | 1,27,664 0 0 | 6,94,944 0 | 53,947 0 0 | 682 0 0 | 1,82,293 0 0 | 52,336 | 16,247 | 68,583 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 31,133 | 22,623 3 5 | 2,3[illegible] | 17,153 1 0 | 30 10 3 | 39,806 14 8 | 12,197 | 4,587 | 16,784 |
| Per mile of railway corresponding week of previous year. | ..... | 139 5 5 | ..... | 105 10 5 | 0 3 0 | 245 2 10 | ..... | ..... | ..... |
| Total for corresponding 5½ weeks of previous year. | 1,68,769 | 1,20,0[illegible] 14 0 | 12,53,822 20 | 83,324 15 4 | 205 3 6 | 2,03,553 0 10 | 65,267 | 25,474 | 90,741 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,127 | 33,656 | 1,58,757 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 28,637 | 25,294 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | " " 24th " ... | 28,008 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | 21,969 | 1,26,441 | 9,390 | 114 | 31,393 | 193 | 12,952 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| | Totals up to date ... | 156,786 | 1,27,664 | 6,94,944 | 53,947 | 682 | 1,82,293 | 207 | 68,583 | 2 10 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,788 | 33,292 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | " " 25th " ... | 29,531 | 21,315 | 2,04,269 | 13,134 | 36 | 34,485 | 212 | 16,083 | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,129 | 20,102 | 2,33,869 | 15,659 | 27 | 35,788 | 220 | 16,248 | 2 3 3 |
| 162·36 | " " 8th " ... | 31,133 | 22,623 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| | Totals up to date ... | 168,769 | 1,20,023 | 12,53,623 | 83,325 | 205 | 2,03,553 | 225 | 90,741 | 2 8 11 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 7th August 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 50,500 | 34,500 0 0 | 195,000 0 | 41,500 0 0 | 4,000 0 0 | 80,000 0 0 | 14,254 | 18,518 | 32,772 |
| Or per mile of railway ... | 65·76 | 44·92 | 253·92 | 53 83 | 5·19 | 103·94 | 18 56 | 24 02 | 42 58 |
| For previous 5 weeks of half-year ... ... ... ... | 257,000 | 1,67,500 0 0 | 1,225,000 | 1,90,500 0 0 | 13,500 0 0 | 3,71,500 0 0 | 63,725 | 84,389 | 148,114 |
| Total for 6 weeks ... | 307,500 | 2,02,000 0 0 | 1,420,000 0 | 2,32,000 0 0 | 17,500 0 0 | 4,51,500 0 0 | 77,979 | 102,907 | 180,886 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 49,333 | 29,498 0 0 | 281,026 0 | 53,910 0 0 | 4,770 0 0 | 87,178 0 0 | 15,929 | 19,677 | 35,606 |
| Per mile of railway corresponding week of previous year ... | 64·24 | 38·41 | 364·50 | 68·03 | 6 19 | 113·23 | 20·74 | 25·52 | 46 26 |
| Total to corresponding date of previous year ... ... ... | 285,237 | 1,68,458 0 0 | 1,481,862 0 | 2,47,526 0 0 | 20,198 0 0 | 4,36,182 0 0 | 89,954 | 104,475 | 194,429 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 7th August 1909. | | | Receipts for week ending 8th August 1908. | | | Total receipts from 1st April 1909 to 7th August 1909. | | | Total receipts from 1st April 1908 to 8th August 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 80,000 | 103·94 | 771 | 87,178 | 113·23 | 771 | 16,05,515 | ... | 771 | 15,38,201 | ... | 67,314 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 7th August 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... ... ... | 319,690 | 1,11,490 (a) | 666,850 | 80,110 (b) | 12,060 (c) | 2,03,660 | 58,231 | (d) 29,538 | 87,769 |
| Or per mile of railway .. | 170·96 | 59·62 | 356·60 | 42 84 | 6·45 | 108 91 | ..... | ..... | ..... |
| For previous 4½ weeks of half-year ... ... ... .. | 1,506,770 | 5,51,900 | 4,165,130 | 5,07,280 | 1,02,240 | 11,61,420 | 259,014 | 162,936 | 421,950 |
| Total for 5½ weeks ... | 1,826,460 | 6,63,390 | 4,831,980 | 5,87,390 | 1,14,300 | 13,65,080 | 317,245 | 192,474 | 509,719 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 356,238 | 1,50,071 | 949,928 | 95,903 | 24,605 | 2,70,579 | 50,111 | (e) 39,584 | 98,695 |
| Per mile of corresponding week of previous year ... ... ... | 198 90 | 83·79 | 530·39 | 53 55 | 13·74 | 151·08 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 1,868,320 | 7,38,245 | 5,490,098 | 6,28,277 | 1,38,769 | 15,05,291 | 324,822 | 230,075 | 554,897 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 1·91 | | 2·[illegible] | ·14 | 2·32 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 2·54 | | 2·42 | ·25 | 2 74 | | | |

(a) Decrease under passengers is due to Jhulan Mela held earlier last year than the date fixed for this year.
(b) Decrease mainly under local and foreign inwards, probably due to persistent rain.
(c) Decrease chiefly under steam-boat.
(d) Includes 5,162 miles of ballast trains.
(e) Includes 6,954 miles of ballast trains.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the week ending 14th August 1909 ... | Coaching ... | 4,576 | 0 | 0 | 14,821 | 0 | 0 |
| | Goods ... | 10,193 | 0 | 0 | | | |
| | Other earnings ... | 52 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 5,516 | 0 | 0 | 15,144 | 0 | 0 |
| | Goods ... | 9,569 | 0 | 0 | | | |
| | Other earnings ... | 59 | 0 | 0 | | | |
| | Decrease | | — | | 323 | 0 | 0 |
| Receipts per mile for the week ending 14th August 1909 ... | | | — | | *290 | 9 | 9 |
| Ditto for the corresponding period of 1908 ... | | | — | | 296 | 15 | 1 |
| | Decrease | | — | | 6 | 5 | 4 |
| Receipts from 1st July to 14th August 1909 ... | | | — | | 1,04,194 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | | | — | | 97,366 | 0 | 0 |
| | Increase | | — | | 6,828 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 25th August 1909.

REGISTERED No. C 209.]

No. 35 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 1, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution reviewing the Reports on the working of the Puri Lodging-house Act during the year 1908-1909 | 1267—1268 |
| Resolution on the Annual Report on the working of the Co-operative Credit Societies in Bengal for the year 1908-1909 ... ... ... ... ... ... ... | 1269—1270 |
| Resolution on the Annual Report of the Bengal Veterinary College and of the Civil Veterinary Department, Bengal, for the year 1908-09 ... ... ... | 1271—1272 |
| Weather and Crop Report for the week ending the 30th August 1909 ... ... ... ... ... ... | 1273—1278 |
| Approximate Return of traffic on the Circular and Eastern Canals for the week ending the 28th August 1909 ... ... ... ... ... ... ... ... | 1279 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th August 1909 ... ... ... ... ... ... ... ... | 1280 |
| Rainfall returns ... ... ... ... ... ... | 1281—1285 |

## RESOLUTION REVIEWING THE REPORTS ON THE WORKING OF THE PURI LODGING-HOUSE ACT DURING THE YEAR 1908-1909.

MUNICIPAL DEPARTMENT—SANITATION.

*Calcutta, the 26th August 1909.*

RESOLUTION—No. 1510San.

On the working of the Puri Lodging-house Act during the year 1908-09.

THE town of Danton, in the district of Midnapore, was withdrawn from the operation of the Lodging-house Act with effect from the 1st November 1908. In other reports the Act continued in force in the same towns and areas as in 1907-08. The law was amended during the year, with the view of preventing overcrowding in lodging-houses and improving their sanitary condition.

2. There was an increase both in the total number of licensed lodging-houses and in the number of lodgers for whom accommodation was provided, the figures rising from 1,746 and 66,818 to 2,492 and 107,569, respectively, as compared with the previous year. The increase in the district of Puri, however, from 717 houses to 1,118, was only apparent. The usual licenses were issued on the 1st April 1908 for one year; but as the Lodging-house Act was subsequently amended, the licenses already given were treated as

having expired at the end of the calendar year, and new licenses were issued from the 1st January 1909. In Gaya, the number of lodging-houses rose from 474 in 1907-08 to 871 in 1908-09, accommodation being provided for 51,388 pilgrims against 26,156 in the preceding year. There was a large falling off both in the number of lodging-houses and of lodgers at Naihati, which is accounted for by the fact that there was an extraordinary gathering there in the preceding year on the occasion of the *Ardhodoy Jog*. The two great festivals at Puri (viz., the Car and the *Dol*) were attended by 32,244 and 36,167 pilgrims, respectively.

3. Three hundred and forty cases under the Act were disposed of during the year in comparison with 408 in the previous year. The number of convictions was 317 against 383, and the total amount of fines imposed and realized was Rs. 6,594 against Rs. 5,934.

4. The total income of the funds (excluding the opening balance of Rs. 59,925) was Rs. 1,02,978 as compared with Rs. 83,009 in the preceding year. The increase was most noticeable in Puri and Gaya. In both places it was due to the issue of new licenses in accordance with the amended Act, and in the former also to the settlement of roadside lands by auction at higher rates.

5. The total expenditure incurred fell from Rs. 90,768 in 1907-08 to Rs. 86,162 in 1908-09. The decrease was largest in Gaya, Naihati and Nadia. In Gaya alone it was over Rs. 10,000, but in the previous year a large contribution was made to the water-works scheme. In Naihati, as already stated, fewer lodgers had to be provided for; the fluctuation in Nadia has not been explained.

6. No case of plague occurred among the pilgrims during the year, but cholera was prevalent in Gaya and Puri, though in a less virulent form than in the previous year, the number of deaths from this cause being 36 and 102 respectively, against 93 and 256 in 1907-08. The total mortality amongst the pilgrims was 404 as compared with 636 in the previous year. In Puri alone the total number of deaths was 372, to which cholera and dysentery contributed more than half. The sanitary arrangements of the lodging-houses were reported to be satisfactory on the whole, while the water-supply was good and sufficient.

7. The thanks of the Lieutenant-Governor are due to the District Officers and Health Officers concerned with the working of the Act during the year.

ORDER.—Ordered that a copy of the Resolution be submitted to the Government of India in the Home Department, and that copies be forwarded to the Commissioners of the Presidency, Patna, Bhagalpur and Orissa Divisions, for information.

Ordered also that a copy of the Resolution be communicated to the Sanitary Commissioner and to the Sanitary Board, Bengal, for information, and that it be published in the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

H. WHEELER,
*Secy. to the Govt. of Bengal.*

## RESOLUTION ON THE ANNUAL REPORT ON THE WORKING OF THE CO-OPERATIVE CREDIT SOCIETIES IN BENGAL FOR THE YEAR 1908-1909.

REVENUE DEPARTMENT—LAND REVENUE.

*Calcutta, the 26th August 1909.*

RESOLUTION—No. 3192 Agri.

READ—

The Report on the working of Co-operative Credit Societies in Bengal for the year 1908-09.

THE report deals with the working of Co-operative Credit Societies for a period of nine months only, because in place of a year ending on the 30th June it has been decided to adopt the ordinary financial year ending on the 31st March. Throughout the year Mr. Buchan held the post of Registrar and Babu Jamani Mohan Mitra that of Personal Assistant. The report was written by the former officer before his departure on leave in April last; and the latter officer has prepared and reviewed the returns.

2. Since the passing of Act X of 1904 progress in Bengal has been along very simple and uniform lines. No attempt has been made to experiment with different forms of rural societies, and attention has been concentrated on the Raiffeisen type only. The earliest societies were disconnected units, formed sporadically where opportunity offered. Subsequent additions were in many cases due to the exertions of individual organisers of the older societies, whose personality served as a connecting link between them. This year a further step has been taken, and such groups of societies have been combined in self-administered unions. The policy has been followed of developing compact areas in each district and extending from these as centres, with the object of avoiding the waste of power which would follow from the dissipation of attention over single scattered societies.

3. The societies in Bengal are of two types. In the first the liability is limited, and for the most part the societies are urban; in the second the liability is unlimited and they are rural; and it is this second class which demands the particular attention of the Registrar.

4. During the past year the number of societies in the Province has risen from 350 to 395 or by 13 per cent. The membership has increased from 12,094 to 14,640 equivalent to 21 per cent. while the capital has risen from Rs. 2,25,437 to Rs. 3,65,086 or by 62 per cent. All the town societies have made considerable strides during the year. There has been no large increase in their number; but the co-operative spirit in them has developed greatly. Confidence is now thoroughly established, and they are financed almost entirely by share capital and the deposits of their members. It is anticipated that this form of co-operation will spread without much further assistance from the Registrar amongst the mercantile firms in Calcutta and the government offices throughout the Province. A new form of society of an interesting type has been formed under the patronage of Sir Daniel Hamilton with the object of reclaiming waste lands in the Sundarbans. The joint capital will be employed in clearing the jungle and raising embankments, and the society will make advances to its members to enable them to cultivate the land and to settle tenants thereon. The progress of this society will be watched with much interest.

5. The development of co-operative credit in the mufassal has reached a critical stage. There are now 359 rural societies being an increase of 33 during the year, and the Registrar and his Personal Assistant are no longer able to do more than visit each society once or perhaps twice in a year. It is on efficient control that the success of the existing societies hinges, and their future prospects depend upon the ability of the Registrar to evolve a satisfactory system of control.

6. The real work of forming societies and educating the members must devolve on local voluntary helpers, and the Lieutenant-Governor agrees with

the Registrar in the opinion that unless and until it is adopted in earnest by the people themselves, the movement will be confined within the very definite limits of a kindly but ineffective official experiment. During the past year the press has given a small measure of increased attention to co-operation, and there are signs that some who have it in their power to assist are beginning to realise the possibilities for good which the movement possesses; but on the whole evidence of popular interest has been disappointing. The second condition of any substantial success is the creation of some higher form of organization. During the year the Registrar has given his attention to this problem on the lines laid down at the last Conference of Registrars, when it was decided to aim at federation into unions on a joint stock basis. In such unions societies are to be the only shareholders, and the unions will be restricted to dealings with their shareholders only. Two such unions were formed during the year, one at Raruli in Khulna and the other at Khelar in Midnapore. In the opinion of the Registrar the progress made so far is encouraging, and the experience gained tends to prove that the combination of societies into unions is not only theoretically sound, but is also quite practicable in existing circumstances in Bengal. The Midnapore union has already become financially independent of the help of the Registrar, and can now secure funds locally without any difficulty.

7. The sources from which the working capital of the societies is obtained are analysed in paragraph 8 of the review of the statistics. Only 4 per cent. of the capital has been advanced by Government and the Court of Wards, 21 per cent. has been advanced by large zamindars to societies among their raiyats (the larger part by the Maharaja Bahadur of Darbhanga); while 48 per cent. has been invested by the outside public. The amount of capital invested by the members and the local public is still very small, amounting to only 13 per cent. The Registrar should do all he can to encourage members to deposit, and his opinion is approved by Government that it would be well to widen the basis of membership so as to take in some of the more well-to-do villagers, provided that this can be done without pressure from outside. While the success of a society cannot be judged entirely from the amount of money deposited by its members, the fact that they have a stake in it greatly increases its stability and its attraction for local capital.

8. The analysis of the purposes to which loans taken from societies have been applied is of interest. Repayment of debts accounts for 37 per cent., cultivation and the purchase of cattle for 36 per cent., and marriage expenses for only 1·4 per cent. It would appear, therefore, that it is a sound principle to leave to the discretion of the panchayat the purpose for which loans can be given. The important distinction is not between productive and unproductive expenditure, but between expenditure which is necessary and that which is not; and the panchayat is the best judge of what is necessary.

9. The experiment was continued of trying to employ the large grain *golas* of the Sonthal Parganas as central agencies for village grain societies, and appears to have met with a moderate amount of success. The Registrar is probably correct in holding that village grain banks will be successful only if kept on a small scale, and that as their utility is limited, they will tend as soon as they are successful to develope into cash societies.

10. The Lieutenant-Governor desires to acknowledge the energy and tact displayed by Mr. W. H. Buchan, the Registrar, and his Personal Assistant, Babu Jamini Mohan Mitra, in the performance of their duties, and to acknowledge the work of the officials referred to by Mr. Buchan in his report. To the honorary organisers in particular his special thanks are due, both for what they have accomplished, and still more for the example they have set to others in a work of which the ultimate success is dependent on the self-sacrifice and enthusiasm of private individuals.

By order of the Lieutenant-Governor of Bengal,

C. G. H. ALLEN,

*Offg. Chief Secy. to the Govt. of Bengal.*

C

## RESOLUTION ON THE ANNUAL REPORT OF THE BENGAL VETERINARY COLLEGE AND OF THE CIVIL VETERINARY DEPARTMENT, BENGAL, FOR THE YEAR 1908-09.

REVENUE DEPARTMENT—AGRICULTURE.

*Calcutta, the 31st August 1909.*

RESOLUTION—No. 3268Agri.

READ—

The Annual Report of the Bengal Veterinary College and of the Civil Veterinary Department, Bengal, for the year 1908-09.

On the 1st of April 1908 the charge of the Civil Veterinary Department was separated from that of the Bengal Veterinary College. Throughout the year Colonel F. Raymond, F.R.C.V.S., has been in charge of the College and the administration of the Glanders and Farcy Act in Calcutta and the suburbs, while Mr. D. Quinlan, I.C.V.D., has held charge of the Civil Veterinary Department.

2. *The Bengal Veterinary College.*—The college has been very ably managed by Colonel Raymond throughout the year. The bulk of the students naturally belong to Bengal, but 53 are from Eastern Bengal and Assam, and 10 from other Provinces. The high percentage (86·2) of the third-year students who passed the diploma examination testifies to the efficiency of the instruction. The health of the students has been good throughout the year; but a hospital is being organized in connection with the hostels to provide against any outbreak in the future. The Principal reports that the conduct of the students has been excellent. On the occasion of the prize-giving last year the Lieutenant-Governor expressed his satisfaction with this feature of the college, and sanctioned a special grant for the preparation of an athletic ground, in order that the students might have increased facilities for athletic exercise.

The expansion of the college has been again postponed for want of funds, but it has been found possible to provide a sufficient amount for the Assistant Professor's quarters, so that this officer may always be in residence.

3. The provisions of the Glanders and Farcy Act have been more strictly enforced during the year, and the efficient administration of the Act has not been attended by any increase of friction. Horses, mules and donkeys in Calcutta increase in number every year and now amount to over 13,000 animals. During the year the staff was able to inspect 4,007 stables, in 90 of which glanders was detected, and the necessity for the work is shown by the fact that out of 296 animals seized one-half had to be destroyed because they were suffering from contagious disease. Colonel Raymond has introduced the plan of paying small sums in compensation to those whose livelihood depends on the animals destroyed, and it has been found that this has greatly facilitated the administration of the Act at a very slight expense.

4. With the college report is incorporated the first annual report of the Raymond Research Laboratory. This institution, which was commenced in 1906, now comprises a central building with a working room for the pathologist, a bacteriological laboratory, a chemical laboratory, a micro-photographic and drawing-room and a dark room. There is also a cellar for the storage of biological products; and attached to the establishment are *post-mortem* and inoculation rooms. Valuable work has been done in diagnosing diseases in connection with the Glanders and Farcy Act, in rabies, and in more obscure cases admitted into the hospital for treatment or *post-mortem* examination. To the Civil Veterinary Department assistance was rendered in the diagnosis of diseases in the mufassal. By means of the laboratory much valuable instruction has been given to the senior students about the infectious diseases of India. Colonel Raymond has organized a post-graduate course for officers of the Department.

5. The number of cases treated at the hospital shows a steady increase from 4,132 to 5,144. This is satisfactory, as indicating the increasing confidence of the public in the institution, and as affording enlarged facilities for the practical training of the students.

6. *Civil Veterinary Department.—Diseases.*—As stated in last year's resolution the information about deaths from contagious diseases is not very reliable, and the figures require scrutiny. Cases of *surra* and *dourine* are reported from the Sonthal Parganas concerning which the Superintendent has no information. According to the table two districts, namely, the Sonthal Parganas and Puri, account for half the total mortality in the Province: but no special outbreaks of a serious nature in these two districts are referred to by the Superintendent. It is necessary that more attention should be given in future to the preparation of this statement; and where figures call for special comment careful inquiries should be made by the Superintendent before the submission of his report. From the statistics it is impossible to come to any conclusion about the prevalence of cattle-diseases during the past year. It is noted with satisfaction that the number of animals inoculated has increased by 100 per cent. It is understood that the remarkable falling off in inoculation work to which attention was drawn in last year's resolution was due to the inclusion of figures for Eastern Bengal in 1906-07 and their exclusion in 1907-08. The Lieutenant-Governor agrees with the Superintendent in thinking that the members of the Agricultural Association might render very useful help to the Veterinary Department by promptly reporting serious outbreaks which come to their notice, and he is glad to see that a commencement has been made in this direction.

7. *Veterinary Dispensaries.*—There are now 27 veterinary dispensaries in Bengal, 2 new ones having been opened during the year, one at Chapra and the other at Bhagalpur. There has been a considerable decrease in the total number of patients admitted to the provincial dispensaries during the year, and in many cases the residents appear to take only a lukewarm interest in them.

8. *Breeding Operations.*—The Lieutenant-Governor is pleased to notice that some progress has been made in the distribution of bulls to public bodies and private individuals. An outbreak of rinderpest has unfortunately greatly weakened the Siri herd at Kalimpong.

9. *General.*—During the year the inspecting staff was considerably strengthened. There are now four Inspectors appointed under the reorganization scheme and 52 Veterinary Assistants in the Province. The reorganization scheme has not yet been introduced so far as the Assistants are concerned. The replies of the local bodies consulted in the matter are at present under consideration.

10. The Lieutenant-Governor desires to acknowledge the efficiency of Colonel Raymond's administration. His service has been extended for a period of three years, and he has received special promotion in recognition of his work. The Lieutenant-Governor also acknowledges the energy with which Mr. Quinlan, the Superintendent of the Civil Veterinary Department, has carried out his duties. He endorses the opinion expressed by these officers concerning their assistants.

By order of the Lieutenant-Governor of Bengal,

C. G. H. ALLEN,

*Offg. Chief Secy. to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 30th August 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 18·62 | 8¾ | 8¾ | Rainfall heavy and general. The rainfall at Sadar was 6·52 inches on the 28th and 10·23 inches on the 29th. Flood expected. Sky not yet clear. Transplantation of *aman* paddy nearly finished. Harvesting of jute and *aus* paddy going on. Stocks of food-grains and fodder sufficient. Cattle-disease reported from the Sahibganj thana. Prices stationary. |
| 2 | BIRBHUM ... | 9·06 | 9 | 9 | Rainfall at Rampur Hât 0·81 inch. Transplanting of paddy seedlings almost over. Fodder and water sufficient. Moderate shock of few seconds' earthquake on the 28th instant at 12-48 P.M. No cattle-disease. Weather cloudy with incessant downpour from the 28th instant. |
| 3 | BANKURA ... | 11·49 | 9¼ | 9¼ | Rainfall at Vishnupur 1·43 inches. Weather rainy. Condition of standing crops good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 7·98 | 9 | 9 | Rainfall at Contai 1·78, at Tamluk 2·17 and at Ghatal 4·58 inches. Transplantation of winter rice continuing. Prospects of *bhadoi* crops and maize good and that of autumn rice fair. Condition of jute good. Sowings of early cotton going on in Tamluk. No cattle-disease. Fodder and water sufficient. Common rice selling at 11 seers per rupee at Contai, at 8½ seers at Tamluk and at 11 seers at Ghatal. |
| 5 | HOOGHLY ... | 7·34 | 9 | 9 | Weather cloudy. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Prospects of jute fair. Jute-cuttings commenced. Transplantation of winter paddy going on. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 6·12 | 8½ | 8½ | Transplantation of winter rice almost finished. Prospects of winter rice good, though more rain wanted in parts of the Ulubaria subdivision. Harvesting of *aus* paddy and jute going on. Prospects of sugarcane fair. Stocks of food-grains, and fodder and water sufficient. Common rice selling at 8¾ seers per rupee in the Ulubaria subdivision and at 9 to 9½ seers in the interior. |
| 7 | 24-PARGANAS | 5·11 | 9 | 9 | Weather rainy. Harvesting of jute and *aus* paddy commenced. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9½ seers at Basirhat, at 9¼ seers at Diamond Harbour and at 8½ seers at Barrackpore. |
| 8 | NADIA ... | 11·88 | 8⅔ | 8⅝ | Rainfall at Ranaghat 1·50, at Chuadanga 2·77, at Kushtia 2·00 and at Meherpur 4·29 inches. Prospects of standing crops good. Harvesting of *aus* paddy continuing. Transplantation of *aman* paddy almost finished. Weather favourable for jute. Condition of the crop good. Harvesting and steeping continuing. Prices of staple food-grains stationary. Stocks of food-grains sufficient. Cattle-disease prevailing in the Karimpur thana. Fodder and water sufficient. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 9·44 | 8½ | 8½ | Weather seasonable. Rainfall at Kandi 3·06, at Lalbagh 3·03 and at Jangipur 2·34 inches. Transplantation of *aman* paddy continuing, but nearly finished in the Kandi and Lalbagh subdivisions. Condition of mulberry, sugarcane and *bhadoi* paddy satisfactory. Harvesting of *bhadoi* paddy continuing. Condition of jute good. Weather and rainfall normal. Harvesting commenced in the Lalbagh and Sadar subdivisions. Prospects better. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 10 | JESSORE ... | 19·00 | 10 | 9 11/16 | Rainfall at Jhenidah 7·88, at Magurah 9·68, at Narail 4·35 and at Bangaon 12·58 inches. Weather cloudy and rainy. Rainfall general and very heavy in the Sadar subdivision. Harvesting of *aus* paddy and jute going on. Condition of jute favourable. Damage done to *aus* and *aman* paddy on low-lying tracts in all the subdivisions by heavy rain, the extent of damage not yet known. Stocks of food-grains, fodder and water sufficient. Condition of agricultural stock good. Cattle-disease reported from Narail. |
| 11 | KHULNA ... | 13·44 | 10 | 10 | Rainfall at Bagerhat 5·00 and at Satkhira 1·88 inches. Weather seasonable. Prices of food-grains almost stationary. Stocks of food-grains sufficient till next harvest. Transplantation of winter rice continuing. Prospects of standing crops fair. Jute suffered to some extent. No cattle-disease. Fodder and water sufficient. |
| 12 | PATNA ... | 1·14 | 9¼<br>14½* | 9¼ | Weather seasonable. *Bhadoi* crops being harvested. Transplanting of paddy in progress. Condition of standing crops and sugarcane good. Import of food-grains continuing. Fodder and water sufficient. Cattle-disease reported from the Nawbatpur, Paliganj, Manair and Asthawar police-stations. |
| 13 | GAYA ... | 5·44 | 10¼†<br>13½*<br>to<br>16 | 10¼†<br>12 5/16* | Weather showery. Harvesting of *bhadoi* crops continuing. Prospects of *marua* good. Transplanted paddy doing well. Price of *makai* has fallen. Cattle-disease in one village in the Nawadah subdivision. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | 2·78 | 9¾† | 9¾*<br>13½* | Rainfall at Buxar 3·93, at Bhabhua 0·19, at Sasaram 3·13 and at Dehri 0·69 inches. *Bhadoi* crops and sugarcane doing well. The crops damaged to some extent at Buxar by excessive rain. Transplantation of paddy in progress. More rain wanted at Bhabhua. Prices of food-grains stationary. Food-stocks below the normal. Fodder and water sufficient. |
| 15 | SARAN ... | 3·08 | 10<br>15* | 9¾<br>13* | Rainfall at Siwan 1·64 and at Gopalganj 0·80 inches. Weather cloudy and wet. *Bhadoi* crops and *aghani* paddy doing well. *Marua* being cut in places, and *maize* ripening. Prices of staple food-grains slightly fallen. Agricultural stock in fair condition. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 16 | CHAMPARAN ... | 3·92 | 10<br>15½* | 10<br>15½* | Weather seasonable. Rainfall at Bettiah 3·86 inches. Transplantation of winter paddy completed. All standing crops doing well, but some damage done to maize by excessive moisture Fodder and water sufficient. Cattle-disease reported from thanas Bettiah, Lowria and Ramnagar. |
| 17 | MUZAFFARPUR | 3·57 | 9<br>13½* | 9<br>13½* | Weather seasonable. Rainfall at Sitamarhi 2·95 and at Hajipur 2·75 inches. Common rice and *makai* selling at 8½ and 20 seers a rupee, respectively, at Sitamarhi, and at 8 and 13½ seers a rupee, respectively, at Hajipur. Transplantation of winter rice going on. Slight damage done to crops by floods. Fodder and water sufficient. Prospects of crops including jute excellent. No cattle-disease reported. |
| 18 | DARBHANGA ... | 1·85 | 9<br>13½* | 9<br>13½* | Weather cloudy. Transplantation of paddy continuing at places. Harvesting of *marua*, *sama* and *makai* going on. Prospects of crops good. Food-stocks and fodder and water sufficient. Cattle-disease reported in one village. *Makai* selling at 13½ seers per rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | 2·24 | 8½<br>13* | 8½<br>13* | Rainfall moderate in the Sadar and Jamui subdivisions, [illegible] heavy in the Begusarai subdivision. Weather cloudy and damp with occasional sunshine. Transplantation of paddy seedlings almost at [illegible] end. *Makai* crop [illegible]g well. Prospects of *bhadoi* crops fairly bright, but some damage done in the Begusarai subdivision by heavy rain. Price of food-grains stationary. No cattle-disease reported. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 2·04 | 8⅞<br>15½* | 8⅞<br>14* | Weather seasonable. Prospects of crops good. Harvesting of *marua* and early paddy going on. Transplantation of *aghani* paddy nearly finished. Standing crop[illegible]atly benefited by the rain of this week. Condition of agricultural stock good. Some cattle-disease reported from the Supaul and Daparkha thanas. Fodder and water sufficient. Prices of food-grains fallen a little. |
| 21 | PURNEA ... | 2·13 | 10† | 10½† | Rainfall at Kishanganj 8·47 and at Araria 2·65 inches. Weather cloudy with stormy east wind and rain. Transplantation of winter rice, reaping of *bhadoi* paddy and harvesting and steeping of jute in progress. Prospects of standing crops good. Cattle-disease reported from several thanas. Fodder and water sufficient. New *bhadoi* rice selling at 9 seers per rupee at Araria and old common rice selling at 8 and 8½ seers a rupee at the Sadar and Kishanganj subdivisions, respectively. |

* The figures indicate the price of [illegible] in seers per rupee.
† New *bhadoi* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 6·81 | 8<br>13* | 8<br>13* | Rainfall at Siliguri 6·29 inches. Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Transplantation of winter rice going on. Jute and *bhadoi* paddy being harvested. Prospects of jute not good. Sugarcane doing well. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 4·45 | 11<br>13* | 9⅞<br>15* | Rainfall at Deoghar 2·10, at Godda 1·40, at Jamtara 6·64, at Pakour 0·27 and at Rajmahal 1·90 inches. Transplantation of paddy over. Maize being harvested. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. No cattle-disease reported. Fodder and water sufficient. Prospects of jute unfavourable. Slight shock of earthquake on the 28th instant, but no damage done. |
| 24 | CUTTACK ... | 4·97 | 11 13/16 | 11 13/16 | *Beali* paddy and *mandia* ripening, the former being harvested in places. *Saradh* paddy and sugarcane growing well. Jute being cut. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·12 | 12 | 12 | Rainfall at Bhadrak 1·11 inches. Weather seasonable Transplanting and weeding of *saradh* paddy continuing. *Beali* paddy being harvested and threshed at places. Sugarcane, jute, *bhadoi* crops and vegetables thriving. Condition of jute favourable. Fodder and water sufficient. Common rice selling at 11½ seers per rupee at Bhadrak. Prices stationary at Sadar and Bhadrak. |
| 26 | ANGUL ... | 2·58 | 15¼ | 15¾ | Rainfall at Phulbani 0·81 inch. Weather hot and cloudy with drizzling showers. More rain wanted for puddling, transplanting and weeding of winter rice, which are in progress. Harvesting of millets and maize continuing. Sugarcane doing well. Condition of agricultural stock good. Common rice selling at 12 seers per rupee in the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | 3·15 | 9 3/16 | 9 3/16 | Rainfall at Khurda 3·16 inches. Weeding and transplantation of *saradh* paddy still going on. *Beali* paddy being harvested. *Mandia* in ear. Sugarcane and cotton thriving well. No cattle-disease. Common rice selling at 11 13/16 seers a rupee at Khurda. Fodder and water sufficient. |
| 28 | SAMBALPUR ... | 3·15 | 13½ | 13½ | Thinning operations and transplantation stopped in some villages of Pudumpur circle of *Bargarh* tashil for want of rain. Weeding of winter rice, sowing of *til*, *urid*, *kulthi* and *mung* in progress. Condition of standing crops, sugarcane and cotton good. Autumn rice damaged to the extent of two annas in Bheden circle of the Bargarh *tahsil* for want of sufficient rains. *Bhadoi til* and *at dhan* being reaped. Rice-fields affected by insects in some villages of the Sadar *tahsil*. Stocks of food-grains and fodder and water sufficient. No apprehension of scarcity. Rinderpest, anthrax, and foot-and-mouth diseases reported. Common rice selling at 15 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 5·00 | 8<br>13* | 9<br>13* | Weather cloudy. *Sirguja* and *kurthi* being sown. Transplantation of paddy nearly finished. Fodder and water sufficient. Cattle-disease in one thana. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | 1·13 | 9½ | 9 | Weather seasonable. State of standing crops good. Harvesting of *gora* paddy commenced at places. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | 2·41 | 8¾ | 8¾ | Weather seasonable. *Bhadoi* crops doing well. Transplantation of paddy continuing. *Kurthi* and *til* being sown. Fodder and water sufficient. Some cattle-disease reported. |
| 32 | MANBHUM ... | 2·00 | 11 | 10 | Weather seasonable. Rainfall at Dhanbaid 3·79. State of standing crops good. Condition of autumn rice and maize favourable. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 4·37 | 8 | 8 | Weather rainy. Weeding operations in progress. Conditions of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 1·19 | 7 3/11 | 7 3/11 | Weather hot and cloudy. Transplanting of *haimantik* paddy seedlings, and cutting, steeping and washing of jute in progress. Condition of jute fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 0·86<br>Athmallik ... Slight rain during the week.<br>Bamra ... 9·08<br>Baramba ... 3·34<br>[illegible] ... 1·92<br>Bonai ... 1·91<br>Daspalla ... 2·01<br>Dhenkanal ... 1·80<br>Gangpur ... 0·49<br>Hindol ... 0·56<br>Kalahandi ... 2·19<br>Khandpara ... Slight rain on one day during the week.<br>Keonjhar ... 3·96<br>Mayurbhanj ... 0·26<br>Narsinghpur ... 5·69<br>Nayagarh ... 2·60<br>Nilgiri ... 1·07<br>Pal-Lahara ... 3·40<br>Patna ... 1·41<br>Rairakhol ... 3·72<br>Ranpur ... 2·75<br>Sonpur ... 0·70<br>Talcher ... 2·38<br>Tigiria ... Nil<br>Weather seasonable. *Gora* paddy in Athgarh, Keonjhar and Nilgiri, maize in Dhenkanal and Nayagarh, *swan* in Dhenkanal and Talcher, *gulji* in Kalahandi and Talcher and *kangu* in Dhenkanal being harvested. The estimated outturn of *kangu* and *gulji* 10 annas in Bonai. Transplantation nearly completed. Weeding in progress. Standing crops doing well. Fodder and water sufficient. Price of common rice varying from 10 seers in Tigiria and 11½ seers in Athmallik to 17 seers in Patna and 20 seers in Pal-Lahara and Talcher. |

* The report is for the week ending the 21st August 1909.

GENERAL SUMMARY.—The rainfall during the week was general all over the Province. The fall was very heavy in South-West Bengal and also in parts of Purnea, Darjeeling, Hazaribagh and Gaya; moderate in North Bihar, the Sonthal Parganas, Cuttack, Puri, Sambalpur and Singhbhum and light in the rest of the Province. Some damage has been done by excessive rain in Jessore, Khulna, Shahabad, Champaran, Monghyr and Darjeeling. On the other hand, more rain is reported to be wanting in parts of Shahabad, Angul and Sambalpur, and in the last named district autumn paddy has suffered to some extent for want of sufficient moisture. Transplantation of winter paddy still continues. Harvesting of jute, autumn paddy and *marua* is going on. Sugarcane is doing well. Prospects are fair. The price of common rice has risen in Purnea, Angul and Hazaribagh, and has fallen in Jessore, Saran, the Sonthal Parganas, Ranchi and Manbhum. Cattle-disease is reported from Burdwan, Nadia, Jessore, Patna, Gaya, Champaran, Darbhanga, Bhagalpur, Purnea, Angul, Sambalpur, Hazaribagh and Palamau. The fodder and water supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 31st August 1909.*

F. SMITH,
for *Offg. Director of Agriculture, Bengal, on tour.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 28th August 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 28th August 1909. | | | Week ending Saturday, the 29th August 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 513 | 46,947 | 751 | 507 | 65,149 | 807 |
| Jute ... ... | 140 | 18,461* | 297 | 111 | 30,370† | 461 |
| Firewood ... ... | 62 | [illegible] | 1,226 | 49 | 28,400 | 434 |
| Other articles ... ... | 529 | 1,72,62[illegible] | 1,701 | 876 | 2,25,407 | 2,186 |
| Total ... | 1,244 | 3,17,698 | 3,975 | 1,543 | 3,49,326 | 3,888 |

* Weight by canal measurement, 24,450 maunds.
† Ditto ditto 34,312½ ,,

CALCUTTA,
*The 31st August 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th August 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| August | 22nd | 149·7 | 5·7 | 29·697 | 84·6 | 89·7 | 9·7 | 80·0 | 80·3 | 0·978 | 78·5 | 84 | SSW, SE by S and SSE. | 103 | 0·07 | Partially cloudy. o, d. |
| ,, | 23rd | 141·8 | 2·5 | ·751 | 83·1 | 87·9 | 9·1 | 78·8 | 78·6 | ·943 | 77·4 | 89 | SSE and SW ... | 73 | 0·05 | Chiefly cloudy, o, d, p. |
| ,, | 24th | 146·4 | 1·2 | ·746 | 82·7 | 86·7 | 7·4 | 79·3 | 78·8 | ·916 | 77·5 | 87 | SSE and SW ... | 73 | 0·11 | Chiefly cloudy. o, d, p, t. |
| ,, | 25th | 129·4 | 2·1 | ·688 | 81·4 | 85·9 | 8·5 | 77·4 | 77·3 | ·910 | 76·4 | 90 | SW and S by W ... | 53 | 0·42 | Chiefly cloudy, o, g, d, p, t, |
| ,, | 26th | 132·1 | 1·4 | ·658 | 82·6 | 86·8 | 7·8 | 79·0 | 78·8 | ·952 | 77·7 | 89 | SW and NNW ... | 57 | 0·05 | Chiefly cloudy. o, g, d, p, t. |
| ,, | 27th | 145·9 | 3·8 | ·666 | 82·3 | 87·8 | 10·4 | 77·4 | 77·8 | ·904 | 76·1 | 84 | NNW, SSW and SW by S. | 114 | 0·19 | Partially cloudy, o. |
| ,, | 28th | 132·4 | 0·1 | ·665 | 83·2 | 87·1 | 7·3 | 79·8 | 79·4 | ·966 | 78·2 | 87 | WSW and SW by W. | 152 | Nil | Chiefly cloudy, o, t. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·696 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·615 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 16·8 |
| The maximum possible number of hours of sunshine ... ... ... | 88·8 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·8 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·0 |
| The extreme variation of temperature ... ... ... | 12·3 |
| The maximum temperature ... ... ... ... ... | 89·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 12 |
| | % |
| The mean relative humidity .... ... ... ... ... | 87 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 87 |
| The total fall of rain from 22nd to 28th August 1909 ... ... ... | 0·89 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·70 |
| The total fall from 1st January to 28th August 1909 ... ... ... | 52·88 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 47·33 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; d, drizzling rain; p, passing temporary showers; t, thunder.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 30th August 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 14th August 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. (b) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 545,208 | 4,98,406 0 0 | 53,97,975 0 | 8,18 985 0 0 | 47,157 0 0 | 13,64,638 0 0 | 162,944 | 164,493 | 327,437 |
| Or per mile of railway ... | ..... | 217 7 4 | ..... | 357 4 3 | 20 9 2 | 595 4 0 | ... | ..... | ..... |
| For previous 5½ weeks of half-year | 2,759,123 | 22,93,217 0 0 | 3,05,76,404 0 | 47,71,298 0 0 | 2,53,043 0 0 | 73,17,558 0 0 | 803,395 | 915,806 | 1,770,201 |
| Total for 6½ weeks ... | 3,304,331 | 27,91,713 0 0 | 3,59,74,379 0 | 55,90,283 0 0 | 3,00,200 0 0 | 86,82,196 0 0 | 1,026,339 | 1,080,299 | 2,106,638 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 549,096 | 4,35,570 11 6 | 69,46,850 10 | 9,92,334 7 0 | 41,222 1 5 | 14,69,127 3 11 | 160,661 | 217,898 | 378,559 |
| Per mile of railway corresponding week of previous year. | ..... | 190 0 2 | ..... | 432 14 2 | 17 15 8 | 640 14 0 | ..... | ..... | ..... |
| Total for corresponding 6½ weeks of previous year. | 3,486,866 | 28,94,800 2 7 | 4,59,91,677 20 | 68,60,133 15 9 | 2,73,154 7 7 | 1,00,28,088 9 11 | 1,045,191 | 1,451,439 | 2,496,630 |

(a) Increase is due to greater movements of pilgrims on account of *Malamas* festival.
(b) Decrease is chiefly in coal and general merchandise.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July .. | 798,968 | 6,3[illegible],303 | 88,78,828 | 14,22,520 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 502,716 | 4,11,[illegible]0 | 54,45,775 | 8,93,870 | 41,177 | 13,46,827 | 589 | 339,308 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, ... | 473,208 | 3,95,1[illegible] | 58,87,281 | 8,72,547 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,087 | 4,15,193 | 52,90,235 | 8,00,6[illegible] | 47,157 | 12,63,019 | 551 | 317,400 | 3 15 8 |
| 2,292·37 | ,, ,, 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,633 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,406 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| | Totals up to date .. | 3,304,331 | 27,91,713 | 3,59,74,379 | 55,90,283 | 3,00,200 | 86,82,196 | 589 | 2,106,638 | 4 1 11 |

*Abstract of progressive weekly returns [illegible] earnings [illegible] 1909 in comparison with 1908—concld.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,800 | 7,04,625 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, ... | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | 42,342 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,843 | 45,4[illegible] | 15,45,652 | 674 | 377,827 | 4 1 6 |
| 2,292·38 | ,, ,, 1st Aug. ... | 497,536 | 4,13,416 | 69,17,570 | 10,02,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | ,, ,, 8th ,, ... | 507,181 | 4,48,391 | 67,90,405 | 10,53,817 | 45,605 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,92,335 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| | Totals up to date ... | 3,486,866 | 28,94,800 | 4,59,91,677 | 68,60,134 | 2,73,155 | 1,00,28,089 | 666 | 2,496,630 | 4 0 3 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 14th August 1909 [illegible]·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 18,326 | 4,077 0 0 | 8,344 0 | 319 0 0 | 13 0 0 | 4,409 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 183 9 1 | ... | 14 5 10 | 0 9 4 | 198 8 3 | ... | ... | |
| For previous 5½ weeks of half-year | 122,343 | 27,758 0 0 | 64,372 0 | 2,439 0 0 | 63 0 0 | 30,260 0 0 | 7,304 | 836 | 8,140 |
| Total for 6½ weeks ... | 140,669 | 31,835 0 0 | 72,716 0 | 2,758 0 0 | 76 0 0 | 34,669 0 0 | 8,641 | 995 | 9,636 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 23,856 | 5,600 1 5 | 14,491 26 | 313 13 0 | 15 12 9 | 5,929 11 2 | 1,331 | 121 | 1,452 |
| Per mile of railway corresponding week of previous year ... ... | ... | 252 2 3 | ... | 14 2 1 | 0 11 5 | 266 15 9 | ... | ... | ... |
| Total for corresponding 6½ weeks of previous year ... ... ... | 167,564 | 39,143 3 3 | 1,74,533 30 | 2,773 12 0 | 50 13 6 | 41,967 12 9 | 8,910 | 946 | 9,856 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 30,186 | 9,346 | 14,902 | 647 | 14 | 10,037 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th ,, ... | 26,502 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | ,, ,, 24th ,, ... | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | ,, ,, 31st ,, ... | 18,256 | 3,951 | 13,809 | 419 | 13 | 4,383 | 196 | 1,540 | 2 13 8 |
| 22·21 | ,, ,, 7th August .. | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,340 | 241 | 1,496 | 3 9 3 |
| 22·21 | ,, ,, 14th ,, ... | 18,326 | 4,077 | 8,344 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| | Totals up to date ... | 140,669 | 31,833 | 72,716 | 2,758 | 76 | 34,669 | 243 | 9,636 | 3 9 7 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. *1908.*

| | | No. of passengers. | Rs | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,439 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th ,, ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | ,, ,, 25th ,, ... | 20,777 | 4,528 | 20,035 | 306 | 7 | 4,931 | 223 | 1,496 | 3 4 9 |
| 22·21 | ,, ,, 1st August | 19,748 | 4,482 | 10,066 | 338 | 6 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | ,, ,, 8th ,, ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | ,, ,, 15th ,, ... | 23,856 | 5,600 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| | Totals up to date ... | 167,564 | 39,143 | 1,74,534 | 2,774 | 51 | 41,968 | 288 | 9,856 | 4 4 2 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 14th August 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 30,222 | 24,153 0 0 | 1,50,371 0 | 11,484 0 0 | 114 0 0 | 35,751 0 0 | 10,184 | 3,104 | 13,288 |
| Or per mile of railway ... ... | ..... | 148 12 2 | ..... | 70 11 9 | 0 11 3 | 220 3 2 | ..... | ..... | ..... |
| For previous 5½ weeks of half-year | 156,786 | 1,27,664 0 0 | 6,94,944 0 | 53,947 0 0 | 682 0 0 | 1,82,293 0 0 | 52,336 | 16,247 | 68,583 |
| Total for 6½ weeks ... | 187,008 | 1,51,817 0 0 | 8,45,315 0 | 65,431 0 0 | 796 0 0 | 2,18,044 0 0 | 62,520 | 19,351 | 81,871 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 31,051 | 22,462 8 6 | 1,73,774 0 | 13,197 8 0 | [illegible] 9 3 | 35,691 9 9 | 11,417 | 4,134 | 15,551 |
| Per mile of railway corresponding week of previous year. | ..... | 138 5 7 | ..... | 81 4 7 | 0 3 1 | 219 13 3 | ..... | ..... | ..... |
| Total for corresponding 6½ weeks of previous year. | 199,820 | 1,42,[illegible] 6 6 | 14,27,596 20 | 96,522 7 4 | 236 12 9 | 2,39,244 10 7 | 76,714 | 29,608 | 106,322 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,187 | 33,656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th ,, ... | 28,637 | 25,294 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | ,, ,, 24th ,, ... | 28,008 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| 162·36 | ,, ,, 31st ,, ... | 29,850 | 21,989 | 1,26,441 | 9,290 | 114 | [illegible] | 193 | 12,862 | 2 7 1 |
| 162·36 | ,, ,, 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | ,, ,, 14th ,, ... | 30,222 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| | Totals up to date ... | 187,008 | 1,51,817 | 8,45,315 | 65,431 | 796 | 2,18,044 | 209 | 81,871 | 2 10 7 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 4[illegible],788 | 33,292 | 3,42,317 | 22,533 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th ,, ... | 31,186 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | ,, ,, 25th ,, ... | 20,531 | 21,315 | 2,04,289 | 13,134 | 36 | 34,485 | 212 | 16,085 | 2 2 4 |
| 162·36 | ,, ,, 1st Aug. ... | 27,129 | 20,102 | 2,23,869 | 15,659 | 27 | 35,788 | 220 | 16,248 | 2 3 3 |
| 162·36 | ,, ,, 8th ,, ... | 31,133 | 22,623 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | ,, ,, 15th ,, ... | 31,051 | 22,461 | 1,73,774 | 13,198 | 32 | 35,691 | 220 | 15,551 | 2 4 8 |
| | Totals up to date ... | 199,820 | 1,42,485 | 14,27,597 | 96,522 | 237 | 2,39,245 | 224 | 106,322 | 2 4 0 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 14th August 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 49,000 | 33,500 0 0 | 246,000 0 | 42,000 0 0 | 3,500 0 0 | 79,000 0 0 | 14,254 | 18,475 | 32,729 |
| Or per mile of railway ... ... | 63·80 | 43·62 | 319·07 | 54·47 | 4·54 | 102·63 | 18·56 | 23·96 | 42·52 |
| For previous 6 weeks of half-year ... ... ... ... | 307,500 | 2,02,000 0 0 | 1,420,000 0 | 2,32,000 0 0 | 17,500 0 0 | 4,51,500 0 0 | 77,979 | 102,907 | 180,886 |
| Total for 7 weeks ... | 356,500 | 2,35,500 0 0 | 1,666,000 0 | 2,74,000 0 0 | 21,000 0 0 | 5,30,500 0 0 | 92,233 | 121,382 | 213,615 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 47,920 | 30,426 0 0 | 300,544 0 | 48,580 0 0 | 4,938 0 0 | 83,944 0 0 | 15,560 | 20,387 | 35,947 |
| Per mile of railway corresponding week of previous year ... | 62·40 | 39·62 | 389·[illegible] | 63·01 | 6·40 | 109·63 | 20·26 | 26·44 | 46·70 |
| Total to corresponding date of previous year ... ... ... | 333,207 | 1,98,884 0 0 | 1,782,406 0 | 2,96,106 0 0 | 25,136 0 0 | 5,20,126 0 0 | 105,514 | 124,862 | 230,376 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 14th August 1909. | | | Receipts for week ending 15th August 1908. | | | Total receipts from 1st April 1909 to 14th August 1909. | | | Total receipts from 1st April 1908 to 15th August 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 79,000 | 102·63 | 771 | 83,944 | 109·03 | 771 | 16,84,515 | ... | 771 | 16,22,145 | ... | 62,370 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 14th August 1909 on 1,870 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,870 miles open ... .. ... | 350,550 | (a) 1,24,420 | 574,600 | (b) 69,310 | (c) 11[illegible] | 2,04,760 | 38,432 | (d) 29,411 | 86,843 |
| Or per mile of railway ... ... | 187·46 | 66·54 | 307·27 | 37·06 | 5·90 | 109·50 | ..... | ..... | ..... |
| For previous 5½ weeks of half-year ... ... ... ... | 1,826,460 | 6,63,390 | 4,831,980 | 5,87,390 | 1,14,300 | 13,65,089 | 317,245 | 192,474 | 509,719 |
| Total for 6½ weeks ... | 2,177,[illegible] | 7,87,810 | 5,406,580 | 6,56,700 | 1,25,330 | 15,69,840 | 375,677 | 220,885 | 596,562 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 342,879 | 1,37,677 | 880,227 | 91,108 | 23,408 | | | (e) [illegible] | [illegible] |
| Per mile of corresponding week of previous year ... ... ... | 191·45 | 76·87 | 491·47 | 50·87 | 13·12 | | | | |
| Total to corresponding date of previous year ... ... ... | 2,211,199 | 8,75,922 | 6,370,325 | 7,19,385 | 1,62,267 | | | | |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 2·13 | | 2·44 | | | | | |
| Ditto for corresponding week of previous year ... ... | | 2·26 | | 2·43 | | | | | |

(a) Decrease under passengers due to heavy traffic last year with long lead.
(b) Ditto in general, chiefly under local and foreign inwards.
(c) Ditto mainly under steam-boat.
(d) Includes 6,254 miles of ballast trains.
(e) Ditto 8,216 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 14th August 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 364,230 | 1,43,590 0 0 | 1,502,530 0 | (c)2,59,280 0 0 | 17,200 0 0 | (e)4,20,070 0 0 | 77,005 | (d)44,222 | 121,227 |
| Or per mile of railway ... ... | (a)271 | (a)107 0 0 | 1,004 0 | 173 0 0 | (c)1 0 0 | (c)270 0 0 | ... | ... | ... |
| For previous 6 weeks of half-year ... ... ... ... | 2,601,400 | 9,39,940 0 0 | 8,522,410 0 | 12,02,180 0 0 | 1,27,740 0 0 | 22,69,860 0 0 | 418,064 | 257,086 | 675,150 |
| Total for 7 weeks ... | 2,965,630 | 10,83,530 0 0 | 10,024,940 0 | 14,61,460 0 0 | 1,44,940 0 0 | 26,89,930 0 0 | 495,069 | 301,308 | 796,377 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 454,709 | 1,72,088 0 0 | 15,52,303 0 | 3,06,721 0 0 | 17,769 0 0 | 4,96,578 0 0 | 73,256 | 48,062 | 121,318 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)370 | (b)140 0 0 | 1,218 0 | 241 0 0 | 1 0 0 | 377 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 3,229,238 | 11,73,641 0 0 | 11,075,334 0 | 14,54,804 0 0 | 1,37,530 0 0 | 27,65,975 0 0 | 492,189 | 286,723 | 778,912 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding steamer earnings, Rs. 15,500.
(d) Excluding ballast train-miles, Rs. 11,084.
(e) Decrease is chiefly in jute traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 14th August 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 31,510 | 9,290 0 0 | 46,460 0 | 3,193 0 0 | 90 0 0 | 12,570 0 0 | 5,208 | (a)1,338 | 6,546 |
| Or per mile of railway ... | 366 | 108 0 0 | 540 0 | 37 0 0 | 1 0 0 | 146 0 0 | ... | ... | ... |
| For previous 6 weeks of half-year ... ... ... ... | 217,620 | 56,210 0 0 | 191,860 0 | 14,960 0 0 | 1,300 0 0 | 72,470 0 0 | 30,896 | 5,868 | 36,764 |
| Total for 7 weeks ... | 249,130 | 65,500 0 0 | 238,320 0 | 18,150 0 0 | 1,390 0 0 | 85,040 0 0 | 36,104 | 7,206 | 43,310 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 40,187 | 11,6[illegible] 0 0 | 51,344 0 | 4,615 0 0 | 72 0 0 | 16,385 0 0 | 5,056 | 1,356 | 7,012 |
| Per mile of railway corresponding week of previous year ... | 467 | 136 0 0 | 597 0 | 54 0 0 | 1 0 0 | 191 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 309,061 | 78,987 0 0 | 402,844 0 | 23,999 0 0 | 1,470 0 0 | 1,04,456 0 0 | 37,188 | 10,115 | 47,333 |

(a) Excluding ballast train-miles, 600.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 14th August 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,550 | 1,340 0 0 | 14,020 0 | 1,190 0 0 | 10 0 0 | 2,540 0 0 | 455 | (a)963 | 1,418 |
| Or per mile of railway ... ... | 106 | 40 0 0 | 417 0 | 36 0 0 | ..... | 76 0 0 | ... | ... | ... |
| For previous 6 weeks of half-year ... ... ... ... | 17,960 | 7,190 0 0 | 88,990 0 | 7,860 0 0 | 60 0 0 | 15,110 0 0 | 2,429 | 11,603 | 14,032 |
| Total for 7 weeks ... | 21,510 | 8,530 0 0 | 103,010 0 | 9,050 0 0 | 70 0 0 | 17,650 0 0 | 2,884 | 12,566 | 15,450 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 4,371 | 1,487 0 0 | 20,658 0 | 1,940 0 0 | 3 0 0 | 3,430 0 0 | 455 | 893 | 1,348 |
| Per mile of railway corresponding week of previous year ... | 130 | 44 0 0 | 615 0 | 58 0 0 | ..... | 102 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 24,744 | 9,656 0 0 | 145,033 0 | 13,017 0 0 | 77 0 0 | 22,750 0 0 | 2,947 | 10,004 | 12,951 |

(a) Excluding ballast train-miles, 1,350.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 14th August 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 9,850 | 3,120 0 0 | 34,420 0 | 2,430 0 0 | 30 0 0 | 5,580 0 0 | 1,540 | (a) 656 | 2,196 |
| Or per mile of railway. ... ... | 182 | 58 0 0 | 637 0 | 45 0 0 | ..... | 103 0 0 | ... | ... | ... |
| For previous 6 weeks of half-year ... ... ... ... ... | 59,090 | 18,060 0 0 | 153,100 0 | 8,300 0 0 | 120 0 0 | 26,480 0 0 | 11,770 | 1,860 | 13,630 |
| Total for 7 weeks ... | 68,940 | 21,180 0 0 | 187,520 0 | 10,730 0 0 | 150 0 0 | 32,060 0 0 | 13,310 | 2,516 | 15,826 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 15,089 | 4,683 0 0 | 41,393 0 | 3,061 0 0 | 37 0 0 | 7,781 0 0 | 1,972 | 633 | 2,605 |
| Per mile of railway corresponding week of previous year ... | 279 | 87 0 0 | 766 0 | 56 0 0 | 1 0 0 | 144 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... ... | 83,307 | 27,159 0 0 | 180,728 0 | 10,616 0 0 | 182 0 0 | 37,987 0 0 | 13,089 | 2,626 | 15,715 |

(a) Ballast train-miles, *Nil*.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 21st August 1909 ... | Coaching ... | 4,811 0 0 | 14,259 0 0 |
| | Goods ... | 9,391 0 0 | |
| | Other earnings ... | 57 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 5,838 0 0 | 15,700 0 0 |
| | Goods ... | 9,802 0 0 | |
| | Other earnings ... | 60 0 0 | |
| | Decrease ... | | 1,441 0 0 |
| Receipts per mile for the week ending 21st August 1909 ... | | | 379 9 5 |
| Ditto for the corresponding period of 1908 ... | | | 307 13 6 |
| | Decrease ... | | 28 4 1 |
| Receipts from 1st July to 21st August 1909 ... | | | 1,18,453 0 0 |
| Ditto for the corresponding period of 1908 ... | | | 1,13,066 0 0 |
| | Increase ... | | 5,387 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 1st September 1909.

REGISTERED No. C 209.]

No. 36 of 1909.

# SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 8, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Resolution on the Administration Report of the Police Department for the year 1908 ... ... ... | 1287—1290 |
| Administration Report of the Meteorologist, Calcutta, for the year 1908-09 ... ... ... ... ... | 1291—1304 |
| Report on the Road and Public Works Cess Operations in Bengal during the year 1908-1909 ... ... | 1305—1307 |
| Weather and Crop Report for the week ending the 6th September 1909 ... ... ... ... ... | 1308—1313 |
| Abstract statement showing Tollage on Canals in Bengal classed as Major and Minor Works for the month of July 1909 ... ... ... ... ... | 1314—1315 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 4th September ... ... ... ... ... ... ... | 1316 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of July 1909 ... ... ... ... ... ... | 1317—1319 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 29th August to 4th September 1909 ... ... ... ... ... ... | 1320 |
| Railway Returns ... ... ... ... ... | 1321—1323 |

## RESOLUTION ON THE ADMINISTRATION REPORT OF THE POLICE DEPARTMENT FOR THE YEAR 1908.

POLITICAL DEPARTMENT—POLICE.

*Calcutta, the 1st September 1909.*

RESOLUTION—No. 3017P.

READ—

The Report on the Administration of the Police Department for the year 1908.

Read also—

The Report for the year 1907 and the Resolution of Government thereon.

Mr. A. V. Knyvett, C.I.E., whose long and meritorious service in the Bengal Police has been previously acknowledged by Government, held the office of Inspector-General for the first quarter of the year under report, and was succeeded by Mr. L. F. Morshead, I.C.S., who held charge for the remainder of the year. The report, which is full and interesting, has been compiled by Mr. R. T. Dundas during Mr. Morshead's absence on leave.

Political crime.

2. The year under review was marked by an outbreak of political crime of a very serious character. It began in December 1907 with the attempt to wreck the Lieutenant-Governor's special train, and culminated in February 1909 in the murder of Babu Ashutosh Biswas, the Public Prosecutor at Alipore. Apart from murderous attacks on individuals, the incidents of greatest significance were the discovery of alleged conspiracies directed against the Government, the head-quarters being at Maniktolla and in Midnapore. As regards the first of these, proceedings are still pending in appeal before the High Court, while in respect of the latter a special enquiry is being conducted by the Commissioner of the Division. Comment must therefore be reserved for the present. The greatest difficulty with which the police have had to contend has been the reluctance of the public to co-operate with them in the detection and prosecution of crime. In part this may be due to terrorism, but it is also attributable to the deficient standard of public spirit which unhappily prevails in this country, and which leads numbers of people, including too often those whose education and intelligence might have guided them aright, to shirk a public duty because it is irksome or attended with personal risk. So long as this spirit prevails, it is hopeless to expect that police work will attain to the same level of efficiency as it has reached in other countries. In view of the special difficulties which this and other causes have thrown in their way, the Lieutenant-Governor considers that the police of Bengal have achieved no small measure of success in grappling with political crime; while the staunchness and courage that have been exhibited by many of the officers and men are deserving of all praise.

Professional crime.

3. A considerable measure of success was achieved by the Criminal Investigation Department, which is specially charged with the duty of dealing with professional crime. A number of dangerous gangs of professional convicts and thieves were broken up; and it is not too much to say that the organization of this Department under Messrs. Knyvett and Plowden has for the first time placed the police in a position to cope successfully with this form of crime. The figures speak for themselves, for out of a total of 405 persons prosecuted, no fewer than 382, or nearly 94 per cent., were convicted.

His Honour desires that special efforts should be devoted to the compilation of an index of political and professional criminals, which should contain full particulars regarding the identity of each criminal, the crimes he is known or reasonably suspected to have committed, and his life history. Such a catalogue, if continuously maintained in communication with the Superintendent of the district in which the criminal resides or in which his crimes are committed, should prove of the greatest value to all officers employed in the detection of crime. The publication of the *Criminal Intelligence Gazette* is a useful step in the same direction, while the finger print bureau continues to afford increasing assistance in the identification of professional criminals. His Honour has read with satisfaction the commendation of Mr. Corbett's work in this Department.

Ordinary crime.

4. The introduction into the report of a summary of the state of crime in each district is a useful innovation, and an analysis of the facts reported indicates that administration has been successful in 16 districts, while it has been inefficient in 11 others; the remaining six districts call for no remark. The Lieutenant-Governor notices with pleasure the praise which the Inspector-General is able to award to Messrs. Cox, Swaine, Kelso, Simpson and G. C. Mukharji for their successful administration. The results seem to have been least satisfactory in the districts of Sambalpur, Shahabad, Purnea and Jessore, and it is to be hoped that there will be an improvement in these districts in the present year. His Honour is pleased to observe the efforts which were made in Bhagalpur, Ranchi, Saran and in some other districts for the prevention as opposed to the detection of crime. No fact emerges more clearly from a study of the crime history of individual districts than this, that success in controlling professional crime depends entirely upon the vigour and persistency with which a policy of prevention is followed. The circulation of extracts from an index of

criminals should go far to acquaint the local police with the *personnel* and life history of the more dangerous criminals, and no efforts should be spared to keep such offenders under control by close observation of their movements and the institution of prosecutions under section 106, Criminal Procedure Code, should they again engage in crime.

The results of the investigation of crime, especially in the case of burglaries, indicate the need for improvement in detective work, and this is a matter to which closer attention should be directed in future reports.

The Inspector-General should examine the system of road patrol which has been introduced in Saran, and consider whether it might not be given a trial in areas where dacoities and burglaries are numerous. The percentage of refusal to enquire into cognizable cases in the Orissa Division is still too high, with the result that the control over professional crime is inevitably weakened.

Cognizable crime.

5. Cognizable crime shows an increase of 8 per cent. over last year's returns. The whole of this occurred under the heads of burglary and theft, and is to be attributed principally to the high price of food.

The number of cases declared to be maliciously false remains very great. In the 24-Parganas, out of 180 false cases only one conviction under section 211, Indian Penal Code, was secured; and in Hooghly and Hazaribagh, where the false cases numbered 84 and 92, respectively, there were only two convictions in each. It is necessary once more to draw special attention to the failure to deal with this class of crime. District Magistrates should personally scrutinize these cases with a view to satisfy themselves that complaints which are merely exaggerated are not recorded as maliciously false, and that in cases which properly fall under the latter category prosecutions are instituted whenever they afford a reasonable prospect of success. Remands are still excessively numerous, and this is a subject to which the special attention of District Magistrates has frequently been invited. They should satisfy themselves in the course of their inspections that postponements are not allowed except for good and sufficient reasons; and in the annual character reports of their subordinates they should bring to notice any persistent tendency to grant unnecessary remands. The number of absconders continues to be large. The attention of Magistrates is directed to the provisions of sections 69 and 78 of the Criminal Procedure Code, in accordance with which the services of zamindars, dafadars and chaukidars can be utilised for the arrest of proclaimed offenders.

Police Reforms.

6. The reforms in the Bengal Police, which were sanctioned by the Secretary of State in 1906, were estimated to involve an annual addition to the cost of the force of Rs. 24 lakhs, of which 4½ lakhs were to be spent in improving the pay and prospects of the superior ranks, and 19½ lakhs on the rank and file. Of the former figure, recurring expenditure to the amount of nearly three lakhs had been incurred up to the 31st March 1908, while 12½ lakhs had been spent on the inferior ranks. Of the balance of 8½ lakhs, for which provision had still to be made, the reforms introduced during 1908-09 involved an expenditure of Rs. 73,000, so that about two-thirds of the scheme has been completed. The remainder of the programme will be carried into effect as rapidly as financial exigencies permit.

Recruitment of Investigating Officers.

7. The Inspector-General recommends that for the next few years the proportion of promotions of Head-constables to direct recruitments to the post of Sub-Inspectors should be doubled. This is a proposal which should be separately brought forward, and which requires close examination, as it must be remembered that the men who are now being recruited as Sub-Inspectors are of a superior class to those of whom this grade has hitherto been composed. The present officers may be young and inexperienced, but it is probable that they make up for their deficiencies by their energy and intelligence. The majority have already received adequate training; and they should be free from the traditions which, it is to be feared, experienced Head-constables, who are promoted to this class, may retain. The Inspector-General

remarks, in the concluding paragraphs of his report, that it is generally recognized that the whole tone of the Inspectors and Sub-Inspectors has improved, and this improvement must be due, to a large extent, to the modern system of recruitment.

Town Patrol.

8. His Honour notices with pleasure the improved patrol system which Mr. Swain has devised for the Bengal Town Police. The Inspector-General reports that its introduction has been attended with success everywhere, and it is to be hoped that it will result in the diminution of crime in municipal areas.

Panchayats.

9. The Lieutenant-Governor notes the remarks of the Inspector-General in paragraph 102 of his report on the new panchayats, and they will receive careful attention when the subject comes under the consideration of Government.

The failure to reward chaukidars adequately for services rendered is a matter to which Sir Edward Baker directs the special attention of District Magistrates and of the police. It is very regrettable that these funds, which are under the direct control of Magistrates, should not be utilized to encourage good work, for experience shows that rewards are no less effective than punishments as an incentive to special effort. Nevertheless, in spite of the attention which has repeatedly been drawn to this matter, the balances of the funds have steadily increased. This progressive increase indicates a waste of power, and the Lieutenant-Governor desires that in future Magistrates and Superintendents shall make full use of the funds at their disposal. Trying Magistrates should recommend rewards in all cases where chaukidars have rendered efficient service either in the arrest of criminals or by giving prompt information at the thana of anticipated breaches of the peace; and District Magistrates and Superintendents of Police should see that rewards are presented in as public a manner as possible.

The health of the force largely depends upon the manner in which the officers and men are housed, and improvement is urgently needed in this respect and should be carried out as soon as practicable.

General condition of the Police force.

10. The Lieutenant-Governor is glad to learn of the improvement that has been effected in the smartness and efficiency of the police. The appointment of European Armed Inspectors and the improved instruction in drill at the Police Training College are largely responsible for this result, while the attention paid to athletics will render the general tone of the force more wholesome and manly, and promote sympathy between officers and men. In paragraph 124 of his report the Inspector-General claims that the reforms suggested by the Police Commission are already beginning to bear fruit. With this view His Honour concurs, and in the face of the facts which the Inspector-General can produce, neither the mistakes and misconduct of individual members of the Department nor the criticism so freely levelled against it can obscure the general progress which has been made. The Lieutenant-Governor considers it beyond the possibility of doubt that there is a steady and continuous improvement in the honesty and efficiency of the whole force, and he desires to thank Mr. Morshead for his careful administration of the Department. He is pleased to notice also the names of those whom the Officiating Inspector-General, Mr. Dundas, has mentioned, and in particular to record his thanks to him as well as to Messrs. Plowden and Denham for the good work which they accomplished during the year.

ORDER—Ordered that copies of the Resolution be forwarded to the Inspector-General of Police, the Commissioner of Police, Calcutta, and all Commissioners of Divisions for information.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

C. G. H. ALLEN,

*Offg. Chief Secy. to the Govt. of Bengal.*

THE following report is published for general information.

C. G H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

*The 31st August 1909.*

## ADMINISTRATION REPORT OF THE METEOROLOGIST, CALCUTTA, FOR THE YEAR 1908-09.

Mr. C. W. Peake was in charge of the Alipore Meteorological Office from April the 1st 1908 to March the 23rd 1909 when he proceeded home on combined leave for nine months. I took over charge of the post of the Meteorologist, Calcutta, on March the 24th. Virtually, therefore, the Alipore Office was in charge of Mr. Peake during the whole of the past year.

2. The total number of observatories under the control of the Meteorologist, Calcutta, on the 31st of March 1909 was 72, including 1 second class, 50 third class, 19 fourth class and 2 voluntary observatories. The increase in the number of the third class observatories is due to the establishment of an observatory at Cox's Bazar and another on board the Pilot Vessel "*Lady Fraser*" at the Sandheads. The Observatory at Cox's Bazar, which is in charge of the Assistant Surgeon of the place, is situated close to the sea and its observations have been found to be of much value. The observatory was started on the 15th of April 1908. Advantage was taken of the addition of a second pilot vessel, the "*Lady Fraser*" (for duty at the Sandheads) for the establishment of an observatory on board the vessel. This pilot vessel also has arrangement for sending telegrams by wireless telegraphy and thus the continuity of meteorological observations at the Sandheads, which was not possible before owing to the "*Fraser*" being called away to Calcutta for coaling and other purposes, has been secured.

3. The following table gives the names and distribution of these 72 observatories :—

### SECOND CLASS OBSERVATORY (1).

Darjeeling.

### THIRD CLASS OBSERVATORIES (50).

Angul.
Arrah.
Balasore.
Bankura.
Barisal.
Berhampore.
Bhagalpur.
Bogra.
Burdwan.
Buxar.
Calingapatam.
Chaibassa.
Chapra.
Chittagong.
Comilla.
Cox's Bazar.
Cuttack.
Daltonganj.
Dehri.
Dinajpur.
False Point.
Faridpur.
Fraser, P. V.
Gaya.
Hazaribagh.
Jalpaiguri.
Jessore.
Krishnagar.
Lady Fraser, P. V.
Laheria Serai (Darbhanga).
Malda.
Midnapore.
Monghyr.
Motihari.
Muzaffarpur.
Mymensingh.
Narayanganj.
Naya Dumka.
Noakhali.
Patna.
Puri.
Purnea.
Purulia.
Rampur Boalia.
Ranchi.
Raniganj.
Rangpur.
Sambalpur.
Saugor Island.
Sirajganj.

### FOURTH CLASS OBSERVATORIES (19).

Bishnath.
Borjuli.
Brahmanbaria.
Chandkhira.
Dam Dim.
Dikom.
Doom Dooma.
Goalundo.
Golaghat.
Jorehat.
Hailakandi.
Kalchini.
Kurseong.
Nagrakatta.
Pabna.
Panerihat.
Panighatta.
Salona.
Srimangal.

## VOLUNTARY OBSERVATORIES (2).

Cooch Behar. | Fraserganj.

4. Self-recording aneroids (barograph) are in use at Cuttack, Burdwan, Balasore, Saugor Island, Hazaribagh and on board the pilot vessel "*Fraser*." An anemograph is in use at Saugor Island.

5. *Awards for special observations.*—The observers at Arrah, Barisal, Bishnath, Burdwan, Chaibassa, Chittagong, Daltonganj, Dam Dim, Darbhanga, Dikom, Doom Dooma, Faridpur, Jorehat, Kalchini, Monghyr, Nagrakatta, Narayanganj, Panighatta, Purulia, Ranchi and Salona were granted special awards by the Director General of Observatories for storm observations, earthquake reports, etc.

6. *Inspection of Observatories.*—The following observatories were inspected during the year under review:—

| Name of station. | Dates of inspection. |
|---|---|
| Arrah | 20th to 22nd February. |
| Balasore | 1st to 3rd July. |
| Barisal | 28th March. |
| Bhagalpur | 16th to 18th February. |
| Buxar | 18th to 21st June. |
| Chapra | 23rd to 29th June and again 18th to 20th January. |
| Darbhanga | 24th to 26th February. |
| Darjeeling | 23rd February. |
| Gaya | 22nd to 24th January. |
| Jalpaiguri | 25th February. |
| Motihari | 4th and 5th March. |
| Muzaffarpur | 28th February to 2nd March. |
| Narayanganj | 19th and 20th March. |
| Purnea | 27th February. |

7. The inspection reports show that the observatories at the time of inspection, were, speaking generally, in good condition.

8. *Jalpaiguri.*—The work done at Jalpaiguri has for a long time past been unsatisfactory and all efforts made to improve it were unsuccessful. At the time of Dr. Simpson's inspection on the 25th of February 1909 the observatory was found to be in good condition and the observer seemed to know his work. He ascribed the faulty observations to mere carelessness.

9. *Gaya.*—The chief object of the visit to the Gaya Observatory was to remove the barometer from the Honorary Magistrate's Court where it had been for many years past. The barometer was removed to the Gaya Pilgrim Hospital on the afternoon of January the 23rd 1909.

10. *Purnea.*—Dr. Simpson, Imperial Meteorologist, visited the observatory on the 27th of February 1909. His report of inspection is quoted below to show what difficulties the Meteorological Department have had in the matter of keeping the barometer near the thermometer shed at Purnea.

"The observatory was originally at the Jail. Owing to extension of the Jail the room containing the barometer and on which the wind instruments are fixed is to be removed. As there is no suitable site for the instruments at the Jail it was decided in March last (1908) to remove the barometer and wind instruments to the Hospital, a mile away from the Jail. Mr. Gaetane removed the barometer on 28th March 1908 and the Public Works Department were asked to remove the wind instruments but they have not yet done so.

The removal of the barometer alone has been unfortunate in that the observer has had to walk a mile between taking his thermometer readings and his barometer readings and then has had to walk back a mile to the telegraph office.

After talking the matter over with the Civil Surgeon and the observer, I have come to the conclusion that instead of moving all the instruments to the hospital it will be better to build a small tower to contain the wind instruments and barometer near to the Jail. In this way there will be the least amount of change and the normals will not be affected.

I have to-day returned the barometer to the Jail (but to a new position) so that from to-morrow the observations may be taken at the proper time as was the case before the 28th of March 1908."

11. *Motihari.*—Owing to the removal of the Motihari hospital and the Civil Surgeon's office to a new building about 3 miles from the site of the observatory it was necessary to transfer the meteorological instruments to a building near the hospital as the Civil Surgeon's clerk found it difficult to take observations at a place so far away from his office. A thermometer shed was erected near the new hospital and the thermometers were removed on the 19th January 1909. The wind instruments were removed from the cutchery building and fixed to the roof of the new hospital. The barometer was removed from the Magistrate's private room to the Civil Surgeon's office on 19th October 1908.

12. Under the existing arrangement of supplying raingauges and measure glasses to the rain registering officers in Bengal, 7 raingauges, 6 measure glasses and 5 glass bottles (for use with raingauge) were issued during the past year from the stock kept in this office.

13. *Daily Weather Report.*—The Calcutta Daily Weather Report was issued throughout the year, Sundays and holidays included. The number of stations included in the report was 87 on the 31st of March 1909 as against 85 on the same date in the previous year. The increase is due to the addition of Cox's Bazar and Kyaukpyu to the list of stations which send weather telegrams for the Calcutta Weather Report.

14. The Monthly Meteorological Table for Bengal and Eastern Bengal and Assam was regularly published in the *Calcutta Gazette.*

15. The supplementary weekly Meteorological and Rainfall Table containing temperature and rainfall observations recorded at 19 stations in Bengal and Eastern Bengal and Assam was issued on every Wednesday throughout the year. For purposes of comparison, temperature and rainfall observations recorded during the corresponding week of the previous year were added to the report.

16. The daily flag signal message, was sent to Saugor Island throughout the year and to Elephant Point from April the 1st 1908 to January the 14th 1909 only. This message was also sent to the Port Officer, Rangoon, during the period January the 15th to March the 31st.

17. The following officers were supplied with the flag signals and the daily weather telegram from 1st April 1908 to 14th January 1909 :—

| | |
|---|---|
| Port Officer, Rangoon. | Port Officer, Cuddalore. |
| Secretary, Port Commissioners, Rangoon. | Ditto, Negapatam. |
| Port Officer, Cocanada. | Port Conservator, Porto Novo. |

Deputy Port Conservator, Madras.

18. The following officers received the daily weather telegram only during the period mentioned above, *viz.*, from 1st April 1908 to 14th January 1909 :—

Port Officer, Moulmein.
Ditto, Akyab.
Ditto, Gopalpur.
Ditto, Vizagapatam.

19. The Port Officer, Chittagong, received the daily weather telegram and the flag signal message from 16th May to 15th November.

20. The telegram was also sent to the Port Conservator, Calingapatam, on Sundays, Wednesdays, and Thursdays.

21. The following officers were added to the list of officers receiving warning telegrams during bad weather or cyclonic storms on the Madras coast :—

Executive Engineer, Tinnevelly Division, Palamcottah.
Ditto, Madura ,, Madura.
Superintending Engineer, I Circle, Vizagapatam.

22. Warnings of expected storms and heavy rainfall were sent during the past year to the officers mentioned below :—

The Secretary to the Government of Bengal, Irrigation Department.
The Collector of Cuttack.
The Superintending Engineer, Orissa Circle.
Ditto, South-Western Circle.
The Executive Engineer, Cossye Division.
Ditto, Balasore Division.
The Proof Officer, Balasore.
The Superintendent of Telegraphs, Madras Division.
Ditto, East Coast Division.
The Superintendent of Telegraphs, Madras Office.
The Chief Engineer for Irrigation, Madras.
The Assistant Superintendent of Telegraphs, Madras Sub-Division, Madras.
The Traffic Manager, Madras Railway, Madras.
The Chief Engineer, Madras Railway, Rayapuram.
The District Traffic Superintendent, Madras Railway, Waltair.
The District Engineer, Madras Railway, Godavari.
The Superintending Engineer, Sone Circle, Arrah.
The Executive Engineer, Eastern Sone Division, Bankipur.
Ditto, Arrah Division, Arrah.
Ditto, Buxar Division, Buxar.
Ditto, Godavari Eastern Division, Dowlaishweram.
Ditto, Godavari Western Division at Chettipet *via* Nidadavol.
Ditto, Godavari Conservancy Division, Rajahmundry.
Ditto, Kistna Eastern Division, Bezwada.
Ditto, Nellore Division, Nellore.
Ditto, Cauvery Division, Tanjore.
Ditto, Madura Division, Madura.
Ditto, Tinnevelly Division, Palamcottah.
Collector of Guntur.
Ditto of Godavari, Cocanada.
Ditto of Kistna, Masulipatam.
Ditto of Tanjore.
Ditto of Trichinopoly.
Ditto of Nellore.
Ditto of Bakarganj, Barisal.
The Sub-Engineer, Dehri Workshops, Dehri.

23. There was no addition to, or alteration in, the code of storm signals.

24. In connection with the proposed extension of the storm-warning system to stations in the Bakarganj and Noakhali districts as also to stations in the Sunderbans, referred to in paragraph 31 of Mr. Peake's Administration Report for 1907-08, the Collector of Bakarganj was regularly informed of bad weather likely to affect his district.

25. The Government of Eastern Bengal and Assam selected the Joint Agent of the Rivers Steam Navigation Company as the person responsible for the hoisting and lowering of storm signals in the port of Barisal. Orders to hoist and lower storm signals were, therefore, sent to that officer during the past year, but it was subsequently reported that the flagstaff for the exhibition of the signals was not ready and hence no action was taken on the telegrams beyond sending warnings to the vessels in the port.

26. Arrangements are also being made for the exhibition of storm signals at Noakhali and Morelganj.

27. The duty of hoisting and lowering of storm signals at Narayanganj had hitherto been entrusted to the Station Master of that place. The Government of Eastern Bengal and Assam have, however, transferred this duty to the Steamer Agent, Narayanganj.

28. The dates of the principal storms and barometric depressions occurring during the past year are given in the following table :—

*Table giving a brief statement of the storms which affected the Bay of Bengal Coasts during the year 1908-09.*

| Number of storm. | Period of depression or storm. | Character of depression or storm. | Coast affected. |
|---|---|---|---|
| 1 | 9th and 10th May | A shallow depression appeared over the Andaman Sea on the 9th. It gave a moderately heavy burst of rain in Tenasserim and the Andaman Islands and on the 10th crossed the coast near Moulmein. | Burma Coast. |
| 2 | 16th and 17th June | On the 16th there was distinct indication that the depression which existed in the Bay for some days past had intensified and was in the neighbourhood of the Sandheads. It rapidly developed into a storm of moderate intensity, crossed the coast near Saugor Island on the 17th and drifted slowly in a northerly direction during the next four days. It gave remarkably heavy rainfall in its passage over Calcutta. | Bengal Coast. |
| 3 | 23rd and 24th June | A depression appeared to the north of Saugor Island on the 23rd. It moved in a westerly direction and was near Balasore on the 24th. It then drifted in a north-westerly direction and filled up in the Central Provinces on the 26th. | Orissa Coast. |
| 4 | 30th June and 1st July | On the 30th June a shallow depression formed off the Circars Coast. It passed inland near Calingapatam on 1st July. | Circars Coast. |
| 5 | 7th and 8th July | Weather became disturbed on the 7th and a depression formed on that date with a centre near Faridpur. It caused stormy weather in the north-east angle of the Bay. It moved in a westerly direction on the 8th. The depression was a most important one because of the fact that it gave heavy rainfall on the 7th, 8th and 9th. | Chittagong Coast. |
| 6 | 24th to 26th July | A shallow depression appeared off the Circars Coast on the 24th. It moved in a north-westerly direction and was near Puri on the 25th. It, however, filled up without giving rise to disturbed weather. | Orissa Coast. |
| 7 | 31st July and 1st August. | A fairly well marked depression moved from the Bay into Orissa on the 1st and occasioned general and moderately heavy rainfall in its neighbourhood. | Orissa Coast. |

| Number of storm. | Period of depression or storm. | Character of depression or storm. | Coast affected. |
|---|---|---|---|
| 8 | 10th to 13th August . | A shallow depression appeared off the Ganjam Coast on the 10th. It continued to develop for the next two days without moving appreciably. On the 12th it moved in a northerly direction and its centre at 8 A.M. was near the Sandheads. On the 13th it curved to west and crossed coast near Balasore. | Orissa Coast. |
| 9 | 25th to 27th August . | A depression formed in the Andaman Sea on the 25th and conditions remained disturbed till the 27th after which weather improved in that region. | Tenasserim Coast. |
| 10 | 27th to 29th August . | Conditions indicated the formation of a depression in the north of the Bay on the 27th. On the 28th it appeared to be approaching the Orissa Coast. It passed inland between False Point and Puri at 6 on the morning of 29th. | Orissa Coast. |
| 11 | 7th and 8th September | A depression appeared off the South Coromandel Coast on the 7th but it did not develop and disappeared by the morning of the 8th. | Coromandel Coast. |
| 12 | 12th to 15th September. | On the 12th conditions indicated that a low pressure area had formed over the Bay and on the next day a shallow depression was shown off the Circars Coast. It developed slightly and then disappeared by the 15th without crossing the coast. | Coromandel Coast. |
| 13 | 19th to 25th September. | A depression entered the Andaman Sea from the east on the 19th; it developed into a cyclonic storm and moved almost due west to the coast of the Circars which it crossed near Cocanada on the afternoon of the 25th. | Circars Coast. |
| 14 | 6th to 9th October . | A depression began to form in the north of the Bay on the 6th. It was most marked on the 7th and developed into a storm on the 8th crossing the coast near Cox's Bazar on the 9th. | Chittagong Coast. |
| 15 | 15th to 23rd October | A shallow depression which existed in the Andaman Sea for some days past appeared to be approaching the Andaman Islands on the 16th. It subsequently developed into a cyclonic storm and travelled across the south of the Bay passing inland near Pamban on the 23rd. | Coromandel Coast. |

| Number of storm. | Period of depression or storm. | Character of depression or storm. | Coast affected. |
|---|---|---|---|
| 16 | 23rd to 25th October | On the same date when the storm noticed above passed inland, *viz.*, 23rd October, another depression formed between Port Blair and the Coromandel Coast. It moved in a northerly direction crossing the coast between Masulipatam and Nellore on the 25th. | Coromandel Coast. |
| 17 | 31st October to 6th November. | A shallow depression was shown in the south-west of the Bay on the 31st October, which developed into a storm during the next 48 hours. On the 3rd November the storm appeared to be moving in a northerly direction and after curving to the north-east and diminishing rapidly in intensity was shown to be approaching the Arakan coast on the 5th. Further development of the storm was, however, checked by the formation of another depression further south. | Coromandel and Arakan Coasts. |
| 18 | 9th to 11th November. | On the 9th a disturbance was shown to the south-west of Diamond Island. This proved to be a small, but rather intense, cyclonic storm which moved initially in a north-westerly direction and then curved rapidly to the east passing over Akyab on the night of the 11th, doing considerable damage to the town and the harbour of Akyab. | Arakan Coast. |
| 19 | 20th to 22nd December. | Very disturbed weather prevailed in the south-west of the Bay on the 20th and 21st and a cyclonic storm appeared to have crossed the coast to the south-west of Ceylon. | Ceylon Coast. |
| 20 | 28th December to 1st January. | Weather was slightly disturbed in the south of the Bay from the 24th and by the 28th the disturbance had developed considerably. It continued to develop and by the 30th had intensified into a well-marked cyclonic storm moving towards the south Coromandel coast. The storm was a short distance north-east of Trincomalee on the 31st. It crossed the coast between Pamban and Negapatam on the 1st January. | Coromandel Coast. |
| 21 | 13th to 15th February | Conditions suggested the existence of disturbed weather in the south-west of the Bay on the 13th. On the 14th a disturbance was shown moving towards Ceylon, but on the 15th the unsettled weather disappeared. | Ceylon Coast. |

29. The following table shows the action taken by the Meteorological Office, Alipore, in warning the coasts affected by the storms enumerated in the previous table :—

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegrams. | Time and date of despatch of cautionary telegrams. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Port Blair * . . | 10-35 A.M. of 9th May 1908. | 10-30 A.M. of 10th May 1908. | Port Blair . . | 10-35 A.M. of 9th and 10-30 A.M. of 10th May 1908. |
| | | | | Mergui . . | 10-40 A.M. of 9th and 10-44 A.M. of 10th May 1908. |
| | | | | Tavoy . . | 10 30 A M. of 9th and 10-40 A.M. of 10th May 1908. |
| | | | | Moulmein . . | 10-32 A M. of 9th and 10-38 A.M. of 10th May 1908. |
| | | | | Rangoon . . | 10-28 A M. of 9th and 10-34 A.M. of 10th May 1908. |
| | | | | Bassein (Burma) | 10-36 A.M. of 9th and 10-36 A.M. of 10th May 1908. |
| 2 | Calcutta . . . | 12-55 P.M. of 17th June 1908. | 10-50 A.M of 18th June 1908. | Rangoon . . | 10-41 A.M. of 16th, 10-38 A.M. of 17th and 11 A.M. of 18th June 1908. |
| | Budge Budge . . | 12-30 P.M. of 17th June 1908. | 11-15 A.M. of 18th June 1908. | Chandbali . . | 10-40 A M. of 17th, 11-43 A.M. of 17th and 10-6 A.M. of 18th June 1908. |
| | Mud Point . . | 11-44 A.M. of 17th June 1908. | 11-4 A.M. of 18th June 1908. | Balasore . . | Ditto ditto. |
| | Diamond Harbour . | 11-40 P.M. of 17th June 1908. | 11-35 A.M of 18th June 1908. | False Point . . | Ditto ditto. |
| | Saugor Island . . | 11-35 A.M. of 17th June 1908. | 10-35 A.M. of 18th June 1908. | Puri . . . | Ditto ditto. |
| | Chandbali . . . | 12-30 P.M. of 17th June 1908. | 11 A.M. of 18th June 1908 | Chittagong . | 10-58 A.M. of 16th, 10-45 A.M. and 11-43 A.M. of 17th and 11-2 A M. of 18th June 1908. |
| | Balasore . . . | 6-30 P.M. of 17th June 1908. | 5 P.M. of 18th June 1908 | | |
| | False Point . . | 0-3 P.M. of 17th June 1908. | 10-50 [illegible] of 18th June [illegible] | Barisal . . | 11-2 A M. of 16th, 10-48 A.M. and 12 P.M. of 17th and 11-22 A.M of 18th June 1908 |
| | Puri . . . . | 12-50 P.M. of 17th June 1908. | 12-3 P.M. of 18th June 1908. | | |
| | Chittagong . . | 0-45 P.M. of 17th June 1908. | 1-30 P.M. of 18th June 1908. | | |
| | Barisal . . . | No signal was hoisted but pilots were advised to communicate to all passing vessels. | | | |
| 3 | Calcutta . . . | 11-20 A.M. of 23rd June 1908. | 11 P.M. of 24th June 1908 | Rangoon . . | 10-18 A M. of 23rd and 11-2 A.M. of 24th June 1908. |
| | Budge Budge . . | 11-30 A M. of 23rd June 1908. | 10 P.M. of 24th June 1908 | Chandbali . . | 10-10 A.M. of 23rd and 11-5 A.M. of 24th June 1908. |
| | Mud Point . . | 10-40 A.M. of 23rd June 1908. | 9-10 P.M. of 24th June 1908. | Balasore . . | Ditto ditto. |
| | Diamond Harbour . | 10-44 A.M. of 23rd June 1908. | 9-35 P.M. of 24th June 1908. | False Point . | Ditto ditto. |
| | Saugor Island . . | 10-38 A M. of 23rd June 1908. | 9-47 P.M. of 24th June 1908. | Puri . . . | Ditto ditto. |
| | Chandbali . . . | 11-10 A.M. of 23rd June 1908. | 10-30 A.M. of 25th June 1908. | Chittagong . | 10-17 A M. of 23rd and 10-32 A.M. of 24th June 1908. |
| | Balasore . . . | 0-15 P M. of 23rd June 1908. | 11-55 A.M. of 25th June 1908. | Barisal . . | 10-42 A M. of 23rd and 10-35 A.M. of 24th June 1908. |
| | False Point . . | 11-17 A.M. of 23rd June 1908. | 10-34 A.M. of 25th June 1908. | | |
| | Puri . . . . | Noon of 23rd June 1908 | 10-33 P.M. of 24th June 1908. | | |
| | Barisal . . . | No signal was hoisted but pilots were advised to communicate to all passing vessels. | | | |
| 4 | False Point . . | 0-35 P.M. of 1st July 1908 | 11-5 A.M. of 2nd July 1908. | False Point . . | 10-45 A.M. of 1st and 10-6 A.M. of 2nd July 1908. |
| | Puri . . . . | 12-17 P.M. of 1st July 1908. | 11-25 A.M. of 2nd July 1908. | Puri . . . | Ditto ditto. |
| | | | | Gopalpur (Gm.) . | 10-55 A.M. of 1st and 10-15 A.M. of 2nd July 1908. |
| | | | | Calingapatam . | Ditto ditto. |
| | | | | Vizagapatam . | Ditto ditto. |
| | | | | Cocanada . . | Ditto ditto. |
| | | | | Masulipatam . | Ditto ditto. |

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegrams. | Time and date of despatch of cautionary telegrams. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 5 | Chittagong | Noon of 7th July 1908 | 1-30 P.M. of 8th July 1908 | Chittagong | 10-38 A.M. of 7th July 1908. |
| | Barisal | No signal was hoisted but pilots were advised to communicate to all passing vessels. | | Barisal | 10-30 A.M. of ditto. |
| | Narayanganj | 11-25 A.M. of 7th July 1908. | 1 P.M. of 8th July 1908 | Narayanganj | 10-35 A.M. of ditto. |
| 6 | Calcutta | Noon of 25th July 1908 | 7-15 A.M. of 26th July 1908. | False Point | 10 A.M. of 25th July 1908. |
| | Budge Budge | 11-25 A.M. of 25th July 1908. | 7-15 A.M. of 26th July 1908. | Puri | Ditto ditto. |
| | Mud Point | 10-50 A.M. of 25th July 1908. | 6-12 A.M. of 26th July 1908. | | |
| | Diamond Harbour | 10-50 A.M. of 25th July 1908. | 6-10 A.M. of 26th July 1908. | | |
| | Saugor Island | 10-45 A.M. of 25th July 1908. | 6-20 A.M. of 26th July 1908. | | |
| | False Point | 10-14 A.M. of 25th July 1908. | 7-55 A.M. of 26th July 1908 | | |
| | Puri | 11-6 A.M. of 25th July 1908. | 8-18 A.M. of 26th July 1908. | | |
| 7 | | | | Chandbali | 10-34 A.M. of 1st August 1908. |
| | | | | Balasore | Ditto ditto. |
| | | | | False Point | Ditto ditto. |
| | | | | Puri | Ditto ditto. |
| 8 | Calcutta | 6-35 A.M. of 12th August 1908. | 4-50 P.M. of 13th August 1908. | Rangoon | 10-40 A.M. of 11th, 10-34 A.M. of 12th and 10-44 A.M. of 14th August 1908. |
| | Budge Budge | 11 P.M. of 11th August 1908. | 4-8 P.M. of 13th August 1908. | Chandbali | 10-45 A.M. of 11th, 9 52 A.M. of 12th and 3-26 P.M. of 13th August 1908. |
| | Mud Point | 9-50 P.M. of 11th August 1908. | 3-42 P.M. of 13th August 1908. | Balasore | Ditto ditto. |
| | Diamond Harbour | 9-49 P.M. of 11th August 1908. | 3-35 P.M. of 13th August 1908. | False Point | 10-30 A.M. of 11th and 3-26 P.M. of 13th August 1908. |
| | Saugor Island | 9-48 P.M. of 11th August 1908. | 3-40 P.M. of 13th August 1908. | Puri | Ditto ditto. |
| | Chandbali | 10-30 A.M. of 12th August 1908. | 5-45 P.M. of 13th August 1908. | Chittagong | 10-8 A.M. of 12th August 1908. |
| | Balasore | 11-40 A.M. of 12th August 1908. | 4-30 P.M. of 13th August 1908. | Barisal | 10-20 A.M. of 12th and 10-45 A.M. of 14th August 1908. |
| | False Point | 10-35 A.M. of 11th August 1908. | 4-15 P.M. of 13th August 1908. | | |
| | Puri | 1-30 P.M. of 11th August 1908. | 4-33 P.M. of 13th August 1908. | | |
| 9 | Port Blair * | 10-2 A.M. of 25th August 1908. | 10-24 A.M. of 27th August 1908. | Port Blair | 10-2 A.M. of 25th, 10-25 A.M. of 26th and 10-24 A.M. of 27th August 1908. |
| | | | | Mergui | 10-52 A.M. of 25th, 10-25 A.M. of 26th and 10-34 A.M. of 27th August 1908. |
| | | | | Tavoy | Ditto ditto. |
| | | | | Moulmein | 10-5 A.M. of 25th ditto. |
| | | | | Rangoon | 10-8 A.M of 25th, 10-28 A.M. of 26th and 10-35 A.M. of 27th August 1908. |
| 10 | Calcutta | 11-20 A.M. of 28th August 1908. | 6-10 P.M. of 29th August 1908. | Rangoon | 10-30 A.M. of 28th and 10-36 A.M. of 29th August 1908. |
| | Budge Budge | 11 A.M. of 28th August 1908. | 4 P.M. of 29th August 1908. | Chandbali | 9-50 A.M of 28th and 10-15 A.M. of 29th August 1908. |
| | Mud Point | 10-10 A.M. of 28th August 1908. | 3-37 P.M. of 29th August 1908. | Balasore | 9-50 A.M. of 28th and 3-35 P.M. of 29th August 1908. |
| | Diamond Harbour | 10-14 A.M. of 28th August 1908. | 3-35 P.M. of 29th August 1908. | False Point | 9-45 A.M. of 28th August 1908. |
| | Saugor Island | 10-10 A.M. of 28th August 1908. | 3-35 P.M. of 29th August 1908. | Puri | Ditto ditto. |
| | False Point | 10-3 A.M. of 28th August 1908. | 3-35 P.M. of 29th August 1908. | Barisal | 5-55 P.M. of 28th and 10-38 A.M. of 29th August 1908. |
| | Puri | 10-4 A.M of 28th August 1908. | 4-2 P.M. of 29th August 1908. | Gopalpur (Gm.) | 9-50 A.M. of 28th and 3-36 P.M. of 29th August 1908. |
| | | | | Kalingapatam | Ditto ditto. |
| | | | | Vizagapatam | Ditto ditto. |
| | | | | Cocanada | Ditto ditto. |
| | | | | Masulipatam | Ditto ditto. |

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegrams. | Time and date of despatch of cautionary telegram. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 11 | | | | Madras | 10-46 A.M. of 7th and 10-26 A.M. of 8th September 1908. |
| | | | | Cuddalore | Ditto ditto. |
| | | | | Negapatam | Ditto ditto. |
| | | | | Pamban | Ditto ditto. |
| | | | | Tuticorin | Ditto ditto. |
| | | | | Colombo | 10-45 A.M. of 7th and 10-30 A.M. of 8th September 1908. |
| 12 | | | | Rangoon | 10-46 A.M. of 13th; 11-25 A.M. of 14th and 10-6 A.M. of 15th September 1908. |
| | | | | Gopalpur (Gm.) | 11 A.M. of 14th and 10-3 A.M. of 15th September 1908. |
| | | | | Calingapatam | Ditto ditto. |
| | | | | Vizagapatam | Ditto ditto. |
| | | | | Cocanada | Ditto ditto. |
| | | | | Masulipatam | Ditto ditto. |
| | | | | Madras | Ditto ditto. |
| 13 | Port Blair | 12-30 P.M. of 21st September 1908. | 12-45 P.M. of 22nd September 1908. | Port Blair | 10-25 A.M. of 18th; 10-17 A.M. of 19th; 10-10 A.M. of 20th; 10-28 A.M. of 21st; 10-38 A.M. of 22nd and 10-12 A.M. of 26th September 1908. |
| | Calcutta | Noon of 23rd September 1908. | 7-30 A.M. of 26th September 1908. | | |
| | Budge Budge | 11-35 A.M. of 23rd September 1908. | 6-25 A.M. of 26th September 1908. | Mergui | 10-28 A.M. of 19th; 10-10 A.M. of 20th; 10-32 A.M. of 21st and 10-42 A.M. of 22nd September 1908. |
| | Mud Point | 11 A.M. of 23rd September 1908. | 5-42 A.M. of 26th September | Tavoy | Ditto ditto. |
| | Diamond Harbour | 10-55 A.M. of 23rd September 1908. | 5-40 A.M. of 26th September 1908. | Moulmein | Ditto ditto. |
| | Saugor Island | 11 A.M. of 23rd September 1908. | 6 A.M. of 26th September 1908. | Rangoon | 10-32 A.M. of 19th; 10-14 A.M. of 20th; 10-35 A.M. of 21st; 10-45 A.M. of 22nd; 10-54 A.M. of 23rd; 10-50 A.M. of 24th; 10-10 A.M. of 25th and 10-15 A.M. of 26th September 1908. |
| | Chandbali | 11-10 A.M. of 23rd September 1908. | 7-30 A.M. of 26th September 1908. | Chandbali | 10-38 A.M. of 23rd and 10-35 A.M. of 24th September 1908. |
| | False Point | 11-3 A.M. of 23rd September 1908. | 7-35 A.M. of 26th September 1908. | False Point | Ditto ditto. |
| | Puri | 11-52 A.M. of 23rd September 1908 | 10-14 A.M. of 26th September 1908. | Puri | Ditto ditto. |
| | | | | Gopalpur (Gm.) | 10-23 A.M. of 24th; 10-42 A.M. of 25th and 10-22 A.M. of 26th September 1908. |
| | | | | Calingapatam | Ditto ditto. |
| | | | | Vizagapatam | Ditto ditto. |
| | | | | Cocanada | Ditto ditto. |
| | | | | Masulipatam | Ditto ditto. |
| | | | | Madras | Ditto ditto. |
| 14 | Calcutta | 7-25 A.M. of 9th October 1908. | 11-55 A.M. of 9th October 1908. | Rangoon | 10-45 A.M. of 8th and 10-30 A.M. of 9th October 1908. |
| | Budge Budge | 7-50 A.M. of 9th October 1908. | 11-10 A.M. of 9th October 1908. | Akyab | 10-42 A.M. of 8th and 9-44 A.M. of 9th October 1908. |
| | Mud Point | 5-10 A.M. of 9th October 1908. | 10-47 A.M. of 9th October 1908. | Chittagong | 10-42 A.M. of 8th and 10-18 A.M. of 9th October 1908. |
| | Diamond Harbour | 5 A.M. of 9th October 1908. | 11-40 A.M. of 9th October 1908. | Barisal | 4-44 P.M. of 8th and 10-55 A.M. of 9th October 1908. |
| | Saugor Island | Do. do. | 10-4[illegible] A.M. of 9th October 1908. | | |

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegrams. | Time and date of despatch of cautionary telegrams. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 14 | Chittagong | 6 A.M. of 9th October 1908. | 11-30 A.M. of 9th October 1908. | | |
| | Narayanganj | Do. do. | 10-55 A.M. of 9th October 1908. | | |
| 15 | | | | Port Blair | 10-15 A.M. of 15th; 10-8 A.M. of 16th and 10-14 A.M. of 17th October 1908. |
| | | | | Moulmein | 10-8 A.M. of 16th and 10-14 A.M. of 17th October 1908. |
| | | | | Rangoon | 10-15 A.M. and 6-56 P.M. of 16th and 10-18 A.M. of 17th; 11 A.M. of 22nd and 10-42 A.M. of 23rd October 1908. |
| | | | | Madras | 10-36 A.M. of 21st; 10-45 A.M. of 22nd and 10-25 A.M. of 23rd October 1908. |
| | | | | Cuddalore | Ditto ditto. |
| | | | | Negapatam | Ditto ditto. |
| | | | | Pamban | Ditto ditto. |
| | | | | Tuticorin | Ditto ditto. |
| | | | | Colombo | 10-36 A.M. of 21st, 10-47 A.M. of 22nd and 10-45 A.M. of 23rd October 1908. |
| 16 | | | | Rangoon | 10-56 A.M. of 24th, 11-24 A.M. of 25th and 10-42 A.M. of 26th October 1908. |
| | | | | Gopalpur (Gm.) | 10-55 A.M. of 25th and 10-30 A.M. of 26th October 1908. |
| | | | | Calingapatam | Ditto ditto. |
| | | | | Vizagapatam | Ditto ditto. |
| | | | | Cocanada | Ditto ditto. |
| | | | | Masulipatam | Ditto ditto. |
| | | | | Madras | 10-24 A.M. of 24th, 11-15 A.M. of 25th and 10-30 A.M. of 26th October 1908. |
| | | | | Cuddalore | Ditto ditto. |
| | | | | Negapatam | Ditto ditto. |
| | | | | Pamban | Ditto ditto. |
| | | | | Tuticorin | Ditto ditto. |
| | | | | Colombo | 10-18 A.M. of 24th, 11-20 A.M. of 25th and 10-44 A.M. of 26th October 1908. |
| 17 | Calcutta | 12-5 P.M. of 4th November 1908. | 11-40 A.M. of 6th November 1908. | Rangoon | 11-20 A.M. of 1st, 10-36 A.M. of 2nd; 11 A.M. of 3rd; 10-36 A.M. of 4th, 10-48 A.M. of 5th and 10-40 A.M. of 6th November 1908. |
| | Budge Budge | 11-45 A.M. of 4th November 1908. | 11-30 A.M. of 6th November 1908. | | |
| | Mud Point | 11-5 A.M. of 4th November 1908. | 10-50 A.M. of 6th November 1908. | Akyab | 9-50 A.M. of 4th; 10-46 A.M. of 5th and 10-35 A.M. of 6th November 1908. |
| | Diamond Harbour | 11 A.M. of 4th November 1908. | 10-45 A.M. of 6th November 1908. | Chittagong | 9-50 A.M. of 4th, 10-46 A.M. of 5th and 10-32 A.M. of 6th November 1908. |
| | Saugor Island | 11-20 A.M. of 4th November 1908. | 10-40 A.M. of 6th November 1908. | Barisal | 9-50 A.M. of 4th; 10-45 A.M. of 5th and 10-38 A.M. of 6th November 1908. |
| | Chittagong | 11 A.M. of 4th November 1908. | Noon of 6th November 1908. | Gopalpur (Gm.) | 10-45 A.M. of 3rd and 11-22 A.M. of 4th November 1908. |
| | | | | Calingapatam | Ditto ditto. |
| | | | | Vizagapatam | 10-28 A.M. of 2nd; 10-45 A.M. of 3rd and 11-22 A.M. of 4th November 1908. |
| | | | | Cocanada | 10-54 A.M. of 1st; 10-18 A.M. of 2nd; 10-45 A.M. of 3rd and 11-22 A.M. of 4th November 1908. |
| | | | | Masulipatam | Ditto ditto. |
| | | | | Madras | Ditto ditto. |
| | | | | Cuddalore | Ditto ditto. |
| | | | | Negapatam | Ditto ditto. |
| | | | | Pamban | Ditto ditto. |
| | | | | Tuticorin | Ditto ditto. |

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegram. | Time and date of despatch of cautionary telegrams. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 17 | | | | Colombo | 11·17 A.M. of 1st; 10-34 A.M. of 2nd; 10-58 A.M. of 3rd and 11·30 A.M. of 4th November 1908. |
| 18 | Chittagong | 11-30-A.M. of 12th November 1908. | 10 P.M. of 12th November 1908. | Port Blair | 10 23 A.M. of 9th and 10-31 A.M. of 10th November 1908. |
| | | | | Rangoon | 10-50 A.M. of 7th; 10-35 A.M. of 8th; 10-26 A.M. of 9th; 10-34 A.M. of 10th; 11-25 A.M. of 11th; 10-22 A.M. of 12th and 10 A.M. of 13th November 1908. |
| | | | | Akyab | 10-48 A.M. of 7th; 10-37 A.M. of 8th; 10-31 A.M. of 10th and 11-19 A.M. of 11th November 1908. |
| | | | | Chittagong | 10-48 A.M. of 7th; 10-37 A.M. of 8th; 11-19 A.M. of 11th and 10-10 A.M. and 4-42 P.M. of 12th November 1908. |
| 19 | | | | Port Blair | 11-14 A.M. of 21st December 1908. |
| | | | | Rangoon | 10-15 A.M. of 22nd and 10-41 A.M. of 23rd December 1908. |
| | | | | Madras | 11-5 A.M. of 19th; 10-32 A.M. of 20th; 10-30 A.M. of 21st; 9-55 A.M. of 22nd and 10-35 A.M. of 23rd December 1908. |
| | | | | Cuddalore | 11-5 A.M. of 19th; 10-32 A.M. of 20th; 10-30 A.M. of 21st; 9-55 A.M. of 22nd and 10-35 A.M. of 23rd December 1908. |
| | | | | Porto Novo | 10-32 A.M. of 20th December 1908. |
| | | | | Negapatam | 11-5 A.M. of 19th; 10-32 A.M. of 20th; 10-30 A.M. of 21st; 9-55 A.M. of 22nd and 10-35 A.M. of 23rd December 1908. |
| | | | | Pamban | 11-5 A.M. of 19th; 10-32 A.M. of 20th; 10-30 A.M. of 21st; 9-55 A.M. of 22nd and 10-35 A.M. of 23rd December 1908. |
| | | | | Tuticorin | 11-5 A.M. of 19th; 10-30 A.M. of 21st; 9-55 A.M. of 22nd and 10-35 A.M. of 23rd December 1908. |
| | | | | Colombo | 10-35 A.M. of 21st; 9-46 A.M. of 22nd and 10-27 A.M. of 23rd December 1908. |
| 20 | | | | Port Blair | 10-38 A.M. of 30th and 10-58 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Rangoon | 10-55 A.M. of 29th; 10-12 A.M. of 30th and 10-45 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Cocanada | 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Masulipatam | 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Madras | 11 A.M. of 29th; 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Cuddalore | 11 A.M. of 29th; 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Negapatam | 11 A.M. of 29th; 9-55 A.M. and 3·45 P.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Pamban | 11 A.M. of 29th; 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Tuticorin | 11 A.M. of 29th; 9-55 A.M. of 30th and 10-32 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |
| | | | | Colombo | 10-52 A.M. of 29th; 10-5 A.M. of 30th and 10-8 A.M. of 31st December 1908 and 1 P.M. of 1st January 1909. |

| Storm Number. | Hoisting of storm signals. | | | Warning of ports by cautionary telegrams. | |
|---|---|---|---|---|---|
| | Ports ordered to hoist signals. | When hoisted. | When lowered. | Ports warned by cautionary telegrams. | Time and date of despatch of cautionary telegrams. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 21 | | | | Port Blair . . | 10-20 A.M. of 13th ; 10-52 A.M. of 14th and 10-35 A.M. of 15th February 1909. |
| | | | | Rangoon . . | 10-18 A.M. of 13th ; 10-45 A.M. of 14th and 10-36 A.M. of 15th February 1909. |
| | | | | Madras . . | 10-20 A.M. of 13th ; 10-52 A.M. of 14th and 10-35 A.M. of 15th February 1909. |
| | | | | Cuddalore . . | 10-20 A.M. of 13th ; 10-52 A.M. of 14th and 10-35 A.M. of 15th February 1909. |
| | | | | Negapatam . . | 10-20 A.M. of 13th ; 10-52 A.M. of 14th and 10-35 A.M. of 15th February 1909. |
| | | | | Pamban . . | Ditto ditto. |
| | | | | Tuticorin . . | Ditto ditto. |
| | | | | Colombo . . | 10-15 A.M. of 13th ; 10-48 A.M. of 14th and 10-38 A.M. of 15th February 1909. |

* The times noted against Port Blair in columns 3 and 4 indicate the times when orders to hoist or lower storm signals were issued by the Meteorological office.

NOTE.—Information of hoisting and lowering of storm signals at Saugor Island was given to the Deputy Port Conservator of Calcutta, Deputy Director, Indian Marine, Government Dockyard, Kidderpore, Port Authorities of the Orissa and Chittagong Ports and Station Master, Narayanganj.

30. The following table shows the number of occasions on which the cautionary and storm signals were hoisted at the Bengal ports during the past year :—

| Storm period. | Number of occasions on which the cautionary signals were hoisted. | Number of occasions on which storm signals were hoisted. |
|---|---|---|
| 9th and 10th May 1908* . . . . | ... | 1 |
| 16th and 17th June 1908 . . . . . | 1 | ... |
| 23rd and 24th June 1908 . . . . . | 1 | ... |
| 30th June to 1st July 1908 . . . . . | 1 | ... |
| 7th and 8th July 1908 . . . . . | 1 | ... |
| 24th to 26th July 1908 . . . . . | 1 | ... |
| 10th to 13th August 1908 . . . . . | 1 | 1 |
| 25th to 27th August 1908* . . . . . | ... | 1 |
| 27th to 29th August 1908 . . . . . | 1 | ... |
| 19th to 25th September 1908* . . . . | 1 | 1 |
| 6th to 9th October 1908 . . . . . | 1 | 1 |
| 31st October to 6th November 1908 . . . | 1 | |
| 9th to 11th November 1908 . . . . . | 1 | ... |

*Port Blair included.

31. I know that I am expressing the views of Mr. Peake as well as my own, when I offer the thanks of the department to the Managers and Superintendents of Tea Estates who have been in charge of the fourth class observatories in the Duars and in Assam. In every case they have shown keen interest in the work of the observers and it would have been impossible to maintain the observatories in an efficient condition without their cordial help.

32. My thanks are also due to the Telegraph Department for the help they have always given in the matter of rapid delivery of the daily weather telegrams and for their hearty co-operation with the Meteorological Department in various other matters.

33. *Office Establishment.*—I am able to report that the office has worked satisfactorily during the past year. Babu Jati Lal De has again earned the thanks of Mr. Peake and of myself for his careful supervision of the Daily Weather Report Section. Babu Satis Chandra Ghosh continues to prove himself reliable.

METEOROLOGICAL OFFICE, BENGAL.
*The 3rd of June 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

# REPORT ON THE ROAD AND PUBLIC WORKS CESS OPERATONS IN BENGAL DURING THE YEAR 1908-1909.

NOTIFICATION.

*No. 255T.—Cess.—The 3rd September 1909.*—The following extracts from the Report of the Board of Revenue on the Road and Public Works Cess operations in Bengal for the year 1908-1909 are published for general information.

H. WHEELER,
*Secretary to the Govt. of Bengal.*

No. 2933A., dated Calcutta, the 23rd August 1909.

From—E. LISTER, Esq., Officiating Secretary to the Board of Revenue, L. P.,
To—The Secretary to the Government of Bengal, Financial Department.

THE HON'BLE MR. F. A. SLACKE, C.S.I.

I AM directed to submit the Board's Report on the administration of the Road and Public Works cesses for the year 1908-1909.

* * * * *

Rate, land revenue demand and gross rental.

3. During the year both cesses were as before levied in the 30 districts at the full rate of one anna in each rupee of the annual value of lands or annual net profits of mines and other immoveable properties. The current land revenue demand for these districts was Rs. 2,85,42,251 and the valuation or gross rental amounted to Rs. 13,33,01,239. The percentage of the former to the latter is 21·4.

Demands, collections, balances and remissions.

4. * * * * The table below is an abstract of the demands, collections, balances and remissions of the year in comparison with those of the former two years :—

| Year. | Demand. | | | Collections. | Percentage of total collections on current demand. | Balance. | Percentage of the balance on the total demand. | Remissions. |
|---|---|---|---|---|---|---|---|---|
| | Current. | Arrear. | Total. | | | | | |
| | Rs. | Rs. | Rs. | Rs. | | Rs. | | Rs. |
| 1906-1907 ... | 70,11,936 | 12,70,766 | 82,82,702 | 69,56,766 | 99·2 | 13,48,585 | 16·2 | 1,12,743 |
| 1907-1908 ... | 71,20,946 | 13,51,726 | 84,72,692 | 71,97,473 | 101·07 | 12,83,256 | 15·1 | 67,756 |
| 1908-1909 ... | 73,92,311 | 12,83,289 | 86,75,600 | 73,17,693 | 98·9 | 13,58,529 | 15·6 | 98,306 |

As compared with 1907-1908, the current demand of the year under report increased by Rs. 2,71,365. The increase is particularly noticeable in Burdwan (Rs. 1,39,731) and Manbhum (Rs. 99,788) and was chiefly due to the annual valuation of the existing mines and to the first assessment of new mines which were opened in consequence of the recent development of the coal industry. The growth of the cess demand from Rs. 7,974 to Rs. 29,698 in the Sonthal Parganas was the result of valuations recently completed.

5. In some of the districts, notably in Bankura (Rs. 5,497), Hooghly (Rs. 9,871), Darbhanga (Rs. 5,981) and Singhbhum (Rs. 1,959), there were counterbalancing decreases in the current demand. The decrease in Bankura was the effect of the recent revaluation completed in 1907-1908. In Hooghly it was due to the transfer of a number of rent-free lands to Burdwan for amalgamation with the estates borne on its revenue roll. In Darbhanga it was partly due to the transfer of an estate to Muzaffarpur and mostly to the general revaluation of the district by which a more correct assessment was obtained, based on the settlement records. In Singhbum it was due to the annual revision of assessments of mines and forests.

6. Simultaneously with the increase in the current demand, the collections increased by Rs. 1,20,220. The year was, however, generally unfavourable to the voluntary payment of cesses, and the provincial percentage fell from 101·07 to 98·9. The balances were larger than in the past two years, and the percentage of the balance rose slightly above that of the previous year. The difference of Rs. 33 between the closing balance of 1907-1908 and the opening balance of the year under report was due to a subsequent adjustment of accounts.

7. The largest remissions were granted in Burdwan (Rs. 47,662), Hooghly (Rs. 11,3[illegible]0), Bankura (Rs. 7,912), Manbhum (Rs. [illegible],758) and Gaya (Rs. 5,275). The bulk of the remissions in Burdwan and Hooghly was due to the amalgamation of rent-free lands and was therefore nominal. It was also due to some extent in Burdwan to the transfer of estates to other districts, the cancellations necessitated by double assessments, and the revision of assessments of coal mines. In Gaya the remissions were due to the correction of mistakes and to the elimination of double assessments of rent-free lands. In Manbhum, Rs. 2,[illegible]35 were reduced by the amalgamation of rent-free lands with their parent estates at the last revaluation; Rs. [illegible],358 were remitted by the Deputy Commissioner on appeal; and a further reduction of Rs. 3,165 was sanctioned by the Commissioner in exercise of his revisional powers under section 93 of the Cess Act.

* * * * * *

Working of the certificate procedure.

10. The number of certificates filed for the realisation of cess arrears was 83,736 as against 80,502 of the previous year. There was a noticeable increase in the number of institutions in Bankura (998), Nadia (752), Patna (1,768), Muzaffarpur (1,582) and Darbhanga (1,177). In Bankura it was due to the fact that certificates had to be issued for the realisation of arrear cesses for rent-free lands, which had been amalgamated with their parent estates, and also for the speedy recovery of some petty arrears, which would otherwise have been time-barred. In Nadia and Patna, the issue of a larger number of certificates was rendered necessary owing to the unpunctuality of the proprietors in paying cesses at the close of each kist. The increase in Muzaffarpur and Darbhanga was practically due to the more prompt issue of certificates within the year. The decrease in the number of institutions is most marked in Burdwan (677), Hooghly (779), the 24-Parganas (803) and Bhagalpur (580). In Burdwan it was due to the fact that a large number of rent free and *chaukidari chakran* lands, the holders of which are habitual defaulters, were amalgamated with the parent estates. The decrease in Hooghly was due to the transfer of some rent-free lands to Burdwan for amalgamation. The decrease in the 24-Parganas was explained to be due to the increase of voluntary payments on the part of the cess-payers as a result of better harvests in the district. In Bhagalpur, the decrease is reported to be due to the fact that in 1907-1908 many certificates for sums below Rs. 5 had to be issued in order to prevent petty arrears being barred by limitation; that certificates in the case of a comparatively large number of revenue-free estates were issued in 1907-1908; and that during the year under report more vigilance was exercised in the case of big proprietors, and prompt payments were enforced in communication with the local agents.

11. Including 20,829 certificates pending from the previous year, the total number of certificates aggregated 104,565. Of these, 83,524 were disposed of during the year, leaving 21,041 cases pending, as against 2,829 at the close of the previous year. The percentage 20·1) of pending cases to the total number for disposal was almost the same as in the past year.

* * * * * *

Objections against certificates.

12. The objections against certificate cases and disposals of the objection were less than in the previous year, being 5,259 and 5,190, as against 5,455 and 5,356, respectively. In 1,38[illegible] cases, as against 941 of the previous year, the certificates were cancelled on account of such normal causes as the death and desertion of judgment-debtors, non-traceability of the actual holders, double assessments, the

exemption of lands lying within municipal limits, non-registration of the names of rent-free holders who pay cesses to the Collector, and errors in the land registration registers and the cess ledgers. The number of cases in which reductions were made in the certificate demand was 119 as against 146 of 1907-1908.

Stage of procedure at which demands were satisfied.

13. The mere issue of preliminary notices under the Certificate Act was sufficient to secure payments in 23,531 cases. Notices for the sale of the defaulters' moveable and immoveable properties induced payment in 33,168 and 13,832 cases, respectively. In 1,779 cases only (as against 1,893 of 1907-1908) was recourse had to actual sales before the demands were satisfied. Of these sales, 878 (as against 932 of 1907-1908) were set aside under sections 20 and 21 of the Certificate Act.

Valuations and revaluations.

14. During the year valuations or revaluations, partial or complete, were in progress in 14 out of the 30 districts to which the Act is applicable. * * * *

15. It is worthy of notice that the annual valuation of profits derived by owners and occupiers of coal miners in the Asansol subdivision of Burdwan has resulted in an increase of Rs. 1,13,011 in the cess demand. Satisfactory results were also obtained by the annual assessments of mines and forests in the Chota Nagpur Division.

* * * * * *

Gross rental.

19. * * * The gross rental of the province shows an increase of Rs. 45,44,379 over that of the previous year. This increase was mainly confined to Burdwan (Rs. 22,34,784), the Sonthal Parganas (Rs. 5,72,773) and Manbhum (Rs. 15,06,608).

## WEATHER AND CROP REPORT.

*For the week ending the 6th September 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 2·14 | 9¼ | 8¾ | Serious damage to standing crops by flood reported from the Kalna, the Katwa and the Sadar subdivisions. Complete reports not yet received. Present weather dry and hot. Harvesting of jute going on. No cattle-disease. Stocks of food-grains and fodder and water sufficient. Prices falling. |
| 2 | BIRBHUM ... | 1·55 | 9 | 9 | Rainfall at Rampurhat 10·38 inches. Transplantation of paddy seedlings over. Fodder and water sufficient. No cattle-disease. No apprehension of scarcity. |
| 3 | BANKURA ... | 1·02 | 9¼ | 9¼ | Rainfall at Vishnupur 21·84 inches. Weather seasonable. *Aus* paddy in ear. Weeding of *aman* paddy going on. Recent heavy rain caused some damage to *aman* paddy in places. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 0·07 | 9 | 9 | Rainfall at Contai 2·05, at Tamluk 3·43 and at Ghatal 7·84 inches. Transplantation of winter rice nearly finished. Condition good except in the Ghatal subdivision, where large area submerged owing to heavy flood. Sowing of early cotton continuing in the Tamluk subdivision. Prospects of autumn rice, *til* and jute fair except in the Ghatal subdivision. No cattle-disease. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Contai, at 7½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 1·51 | 9 | | Rainfall at Serampore 7·72 and at Arambagh 16·12 inches. High floods damaged paddy and jute plants at Arambagh. Prices of food grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Prospects of jute fair and its steeping continuing. Transplantation of winter paddy finished. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 1·44 | 8½ | 8½ | Several fields in thanas Bagnan, Amta and Singti overflooded by heavy rainfall and heavy floods in the Rupnarayan and the Damodar with three breaches in the Rupnarayan Embankment. Several villages also overflooded owing to breaches in the zamindari embankments in Bauria, Ulubaria and Amta thanas. Damage to winter rice crops apprehended, but the extent of damage cannot be estimated until the flood subsides. Floods commenced to subside. *Aus* crops suffered considerably in the Ulubaria subdivision owing to floods. Harvesting and steeping of jute, which has not suffered so much as the other crops, going on. Common rice selling at 8½ seers per rupee at Sadar and at 9 to 10 seers in the interior. Price of common rice likely to go up owing to floods. Stocks of food grains, fodder and water sufficient. |
| 7 | 24-PARGANAS | 1·68 | 9 | 9 | Weather seasonable. Harvesting of jute and *aus* paddy continuing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9½ seers at Basirhat, at 9⅜ seers at Diamond Harbour and at 8½ seers at Barrackpore. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 2·23 | $8\frac{5}{8}$ | $8\frac{5}{8}$ | Rainfall at Ranaghat 16·58, at Chuadanga 11·31, at Kushtia 8·92 and at Meherpur 8·90 inches. Prospects of standing crops good. Harvesting of *aus* paddy continuing. Transplantation of *aman* paddy finished. Weather favourable for jute. Condition of the crop fair. Harvesting and steeping continuing. Prices of staple food-grains stationary. Cattle-disease reported from thanas Karimpur, Gangani and Haringhata. Fodder and water sufficient. |
| 9 | MURSHIDABAD | 6·33 | $8\frac{1}{2}$ | $8\frac{1}{2}$ | Rainfall at Kandi 10·84, at Lalbagh 15·91 and at Jangipur 17·28 inches. Weather rainy. Transplantation of *aman* paddy still going on. Condition of mulberry, sugarcane and *bhadoi* crops good. Harvesting of *bhadoi* paddy continuing. Paddy crops on lowlands partly damaged by floods in the Kandi subdivision. Condition of jute satisfactory. Weather normal. Harvesting going on everywhere. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 10 | JESSORE ... | 1·15 | 10 | 10 | Rainfall at Jhenidah 10·73, at Magura nil, at Narail 14·53 and at Bongaon 22·46 inches. Weather seasonable. Harvesting of *aus* paddy and jute going on. Condition of jute favourable. Owing to the phenomenally heavy rainfall, huge tracts of paddy and jute lands under water. Serious damage to *aus* and *aman* paddy apprehended if the water does not subside very soon. Stocks of food-grains sufficient. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. Price of common rice stationary at the Sadar subdivision. |
| 11 | KHULNA ... | 1·23 | 10 | 10 | Rainfall at Bagerhat 3·11 and at Satkhira 5·24 inches. Weather seasonable. Prices stationary. Stocks of food-grains sufficient till next harvest. Transplantation of winter rice continuing. Prospects of standing crops fair. *Aus* paddy and jute suffered to some extent. Cattle-disease in some villages in thana Kaliganj. Fodder and water sufficient. |
| 12 | PATNA ... | 3·72 | 9<br>17* | $9\frac{1}{4}$<br>$14\frac{1}{2}$* | Weather seasonable. *Bhadoi* crops being harvested. Transplantation of paddy seedlings in progress. Condition of standing crops good. Sugarcane doing well. Imports of food-grains continuing. Fodder and water sufficient. Cattle-disease reported from Nawbatpur, Paliganj, Maner, Asthawan and Islampur police-stations. |
| 13 | GAYA ... | 5·26 | $10\frac{6}{16}$†<br>$14\frac{7}{8}$* | $10\frac{1}{4}$†<br>$13\frac{1}{2}$*<br>to<br>16 | Weather seasonable. Harvesting of *bhadoi* crops continuing. Transplantation of paddy nearly finished. Prospects of standing crops good. Rainfall general and beneficial to paddy. Prices slightly fallen. No cattle-disease. Fodder and water ample. |
| 14 | SHAHABAD ... | 1·97 | 10†<br>13* | $9\frac{3}{4}$† | Rainfall at Buxar 1·61, at Bhabhua 2·80 and at Sasaram 5·52 inches. Sugarcane and *bhadoi* crops doing well except in the Sasaram subdivision, where they have been damaged to some extent by constant rain. Transplantation of paddy crops finished. More rain wanted at Bhabhua. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. Cattle-disease reported from Bikramganj thana. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 2·55 | 10<br>19* | 10<br>15* | Rainfall at Siwan 2·20 and at Gopalganj 2·70 inches. Weather seasonable. Paddy and sugarcane doing well. *Marua* being cut in places. *Maize* ripening. Prices of staple food-crops fallen. Fodder and water sufficient. Agricultural stock in fair condition. |
| 16 | CHAMPARAN ... | 3·71 | 9¾<br>15½* | 10<br>15½* | Weather hot and cloudy. Rainfall at Bettiah 4·48 inches. Maize damaged to some extent by cyclonic weather in the beginning of the week in several places. Condition of *aghani* rice, sugarcane and jute good. Harvesting of *kodo*, *marua*, maize and *bhadoi* paddy begun in places Fodder and water sufficient. Some cases of cattle-disease in thanas Bettiah and Shikarpur. |
| 17 | MUZAFFARPUR | 3·70 | 9<br>14* | 9<br>13½* | Weather seasonable. Rainfall at Sitamarhi 3·74 and at Hajipur 2·49 inches. Common rice and *makai* selling at 8½ and 20 seers a rupee, respectively, at Sitamarhi, and at 8 and 13½ seers a rupee, respectively, at Hajipur. Transplantation of paddy continuing. Harvesting of *bhadoi* crops commenced in the Hajipur subdivision. Condition of standing crops including jute good. Fodder and water sufficient. Cattle-disease reported from the Hajipur and Sitamarhi subdivisions. |
| 18 | DARBHANGA ... | 3·32 | 9½<br>17½* | 9<br>13½* | Weather seasonable. Transplantation of paddy continuing in places. Harvesting of *makai* and *marua* going on. Prospects of crop good. Prices of food-grains falling. Food-stocks sufficient. Fodder and water sufficient. Cattle-disease reported in two villages. *Makai* selling at 17½ seers per rupee in the Darbhanga bazar, but dearer in the interior. |
| 19 | MONGHYR ... | 3·82 | 10¼<br>16 1/16* | 8½<br>13* | Weather cloudy and rainy followed by sunshine. Transplantation of paddy seedlings finished. *Bhadoi* crop being harvested. Prices of staple food-grains fallen. No cattle-disease reported. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 4·43 | 8⅞<br>17¾* | 8⅞<br>15¼* | Weather seasonable. Condition and prospects of standing crops very good. Rain of the week done immense good to the crops. Harvesting of *bhadoi* crops going on and nearly finished in the Supaul subdivision. Condition of jute good. Some cattle-disease reported from Dharaiya in the Banka subdivision, from police-stations Madhipura and Bangong in the Madhipura subdivision and from Supaul thana. Transplantation of *aghani* paddy nearly finished. Condition of agricultural stock good. Fodder and water sufficient. Prices of staple food-grains slightly fallen. |
| 21 | PURNEA ... | 2·35 | 11† | 10 | Rainfall at Kishanganj 4·90 inches and at Araria 1·97 inches. Weather seasonable. More rain wanted for transplantation of *aghani* paddy in the Sadar subdivision. Harvesting of *bhadoi* crops and jute in progress. Prospects of standing crops good. Fodder and water sufficient. No cattle-disease reported. Old common rice selling at 8½ seers per rupee in Kishanganj. Araria report not received. |

* The figures indicate the price of maize in seers per rupee.
† New *bhadoi* rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | (34·25)? | 8<br>14* | 8<br>13* | Rainfall at Siliguri 8·05 inches. Weather seasonable. Hills—Maize and potatoes being harvested, *bara* and *chota marua*, *bhadoi dhan* and winter rice growing. Terai—Transplantation of winter rice nearly finished Expected outturn of jute 50 per cent. Harvesting of *bhadoi* crops in progress. Sugarcane doing well. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 7·97 | 11<br>14* | 11<br>13* | Rainfall at Deoghar 5·07, at Godda 4·50, at Jamtara 6·51, at Pakour 10·77 and at Rajmahal 5·72 inches. Maize being harvested. State of standing crops good. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. No cattle-disease reported. Prospects of jute unfavourable. Fodder and water sufficient. |
| 24 | CUTTACK ... | 2·22 | $11\frac{13}{16}$ | $11\frac{13}{16}$ | *Beali* paddy, *mandia* and jute being harvested. *Saradh* paddy being transplanted and weeded. Sugarcane and cotton growing well. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 3·06 | 13 | 12 | Rainfall at Bhadrak 1·68 inches. Weather seasonable. Weeding and transplanting of *saradh* and threshing of *beali* paddy continuing. Sugarcane and *bhadoi* crops thriving. Vegetables doing well. Harvesting of jute commenced; its condition good. Rinderpest reported from the Balasore Circle. Fodder and water sufficient. Common rice selling at $11\frac{1}{2}$ seers per rupee at Bhadrak. Prices falling at the Sadar subdivision and stationary at Bhadrak. |
| 26 | ANGUL ... | 1·48 | $15\frac{3}{4}$ | $15\frac{1}{4}$ | Rainfall at Phulbani 2·39 inches. Weather cloudy. More rain wanted for puddling, transplanting and weeding of upland paddy especially in the north-east of the Sadar subdivision. Harvesting of maize and *bhadoi* paddy and sowing of *[illegible]*, *kurthi* and *rasi* continuing. Condition of agricultural stock good. Cattle-disease reported. Common rice selling at 12 seers a rupee in the Khondmals. |
| 27 | PURI ... | 4·10 | $11\frac{13}{16}$ | $9\frac{3}{16}$ | Rainfall 1·50 inches at Khurda. Weeding and transplantation of *saradh* paddy going on. *Beali* paddy and *mandia* being harvested. Sugarcane and cotton thriving. Small-pox reported from Chakla Pipli. Cattle-disease reported from Bhubaneswar. Fodder and water sufficient. Common rice selling at $9\frac{3}{16}$ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 1·52 | 14 | $13\frac{1}{2}$ | Weeding of winter rice, sowing of *til*, *kurthi* and reaping and threshing of autumn rice in progress. Condition of sugarcane, cotton and *urid* good and that of autumn rice fair. Rinderpest and foot-and-mouth disease reported. Fodder and water sufficient. Common rice selling at $12\frac{3}{8}$ seers per rupee at Sambalpur. |
| 29 | HAZARIBAGH... | 1·90 | $9\frac{1}{2}$<br>20* | 13* | Weather seasonable. Transplantation of paddy finished. Standing crops in good condition. *Gondli* being harvested Fodder and water sufficient. Cattle-disease in two thanas. |
| 30 | RANCHI ... | 1·77 | $9\frac{3}{4}$ | $9\frac{1}{2}$ | Weather seasonable. Standing crops doing well. Harvesting of *gora* paddy and *gondli* continuing. Outturn of these crops reported to be affected by blight in the Khunti subdivision. Cattle-disease reported from one thana. Condition of agricultural stock otherwise good. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | 2·45 | 9 | 8¾ | Weather seasonable. Harvesting of *bhadoi* crops commenced. Paddy doing well. *Kurthi* and *til* being sown. Fodder and water sufficient. Some cattle-disease. |
| 32 | MANBHUM ... | 1·32 | 11 | 11 | Rainfall at Dhanbaid 5·19 inches. Weather seasonable. State of standing crops good. Condition of autumn rice favourable. Fodder and water sufficient. Cattle-disease reported from Barabazar. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 6·38 | 8 | 8 | Weather seasonable. Weeding operations nearly completed. Harvesting of maize commenced. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers a rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 1·83 | 7 8/11 | 7 7/11 | Weather hot and cloudy. Transplanting of *haimantik* seedlings, cutting, steeping and washing of jute continuing. Condition of jute fair. Prices of staple food-grains almost stationary. No apprehension of scarcity. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inch.<br>Athgarh ... 2·62<br>Athmallik ... 1·87<br>Bamra ... 5·45<br>Baramba ... 1·58<br>Baud ... 2·13<br>Bonai ... 4·05<br>Daspalla ... 3·27<br>Dhenkanal ... 1·64<br>Gangpur ... 5·42<br>Hindol ... 4·23<br>Kalahandi ... 2·61<br>Keonjhar ... 2·16<br>Mayurbhanj ... 1·61<br>Narsinghpur ... 1·05<br>Nayagarh ... 5·74<br>Nilgiri ... 1·87<br>Pal-Lahara ... 1·92<br>Patna ... 5·92<br>Rairakhol ... 3·83<br>Ranpur ... 4·80<br>Sonpur ... 3·24<br>Talcher ... 1·51<br>Tigiria ... Slight rain during the week.<br>Weather seasonable. Weeding operations in progress. *Belai* paddy, *bhadoi rasi* and some other minor crops such as Indian corn, *sawan kangu*, *gulji* and *mandia* being harvested. The estimated outturn of *beali* paddy 15 annas in Athgarh and 16 annas in Dhenkanal, of *bhadoi rasi* and Indian corn 16 annas in Athmallik, of *kangu* and *mandia* 16 annas in Dhenkanal and of *sawan* 16 annas in Athmallik and Dhenkanal. Fodder and water sufficient. State of standing crops good. Price of common rice varying from 10 seers in Tigiria and 12 seers in Narshinghpur and Baramba to 18 seers in Bonai and 20 seers in Talcher and Pal-Lahara. |

* The report is for the week ending the 28th August 1909.

GENERAL SUMMARY.—The rainfall during the week was general all over the Province. The fall was very heavy in Darjeeling. It was heavy also in parts of Lower Bengal and in Gaya, the Sonthal Parganas and Singhbhum. In the rest of the Province it was generally moderate. The heavy rain in Lower Bengal caused floods in several districts. Damage to autumn crops and winter paddy is apprehended in Burdwan, Midnapore, Hooghly, Howrah, Murshidabad and Jessore. Some injury is also reported from excessive rain in Shahabad and by cyclonic weather in Champaran. Insects have damaged *gora* paddy and *gondli* to some extent in Ranchi. The moderate rainfall received during the week in Bihar and Orissa has been beneficial, and the condition of the standing crops in these tracts is good. The price of common rice has risen in Patna and Champaran, and has fallen in Burdwan, Gaya, Shahabad, Darbhanga, Monghyr, Purnea, Balasore, Angul, Puri, Sambalpur, Hazaribagh, Ranchi and Palamau. Cattle-disease is reported from Nadia, Khulna, Patna, Shahabad, Champaran, Muzaffarpur, Darbhanga, Bhagalpur, Balasore, Angul, Puri, Sambalpur, and from Chota Nagpur excepting in Singhbhum. The supply of fodder and water is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 7th September 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of July 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo | | Rafts | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | 3,464 | 10,221 | 4,182 | 35,199 | 1,234 | 4,075 | 5,390 | 13,320 | 22,955 | 88,132 | 994 | 4,959 |
| Kendrapara ditto ... | 1,825 | 11,958 | 61 | 46,979 | 1,744 | 9,882 | 3,495 | 13,476 | 1,490 | 39,407 | 2,968 | 8,816 |
| High Level, Range I | 1,223 | 3,097 | 138 | 14,461 | 714 | 1,955 | 1,602 | 5,040 | ..... | 24,894 | 930 | 2,834 |
| High Level, Range II | 248 | 684 | 350 | 20,788 | 53 | 222 | 429 | 1,013 | 1,290 | 5,742 | 91 | 257 |
| High Level, Range III | 15 | 104 | 1,012 | 11,230 | 7 | 69 | 6 | 61 | 2,090 | 3,765 | 5 | 31 |
| Jajpur Canal ... | 438 | 744 | ..... | 3,251 | 30 | 202 | 325 | 778 | ..... | 2,058 | 54 | 143 |
| Total Orissa Canals | 7,213 | 26,788 | 5,743 | 132,208 | 3,782 | 16,405 | 11,247 | 33,688 | 27,825 | 163,998 | 5,042 | 17,040 |
| Midnapore Canal ... | 8,072 | 32,009 | 3,750 | 10,232 | 3,695 | 14,552 | 9,888 | 34,264 | 3,737 | 9,560 | 3,319 | 12,325 |
| Hijili Tidal Canal ... | 7,442 | 39,412 | 20 | 2,320 | 5,177 | 28,288 | 4,205 | 21,657 | 60 | 1,670 | 3,295 | 16,687 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 780 | 4,236 | 748 | 538,206 | 670 | 5,093 | 1,558 | 2,196 | 11,000 | 286,599 | 1,255 | 2,132 |
| Arrah ditto ... | 209 | 585 | 1,710 | 528,419 | 349 | 2,247 | 328 | 601 | 22,944 | 612,348 | 469 | 1,847 |
| Buxar ditto ... | 359 | 1,635 | 525 | 215,767 | 296 | 1,583 | 341 | 612 | 12,975 | 99,509 | 325 | 678 |
| Total Sone Canals ... | 1,348 | 6,456 | 2,983 | 1,282,392 | 1,315 | 8,923 | 2,227 | 3,409 | 46,919 | 998,456 | 2,049 | 4,657 |
| Grand Total ... | 24,075 | 1,04,656 | 12,496 | 1,427,152 | 13,969 | 68,168 | 27,567 | 93,018 | 78,541 | 1,173,684 | 13,699 | 50,709 |

Calcutta,
*The 4th September 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of July 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft | Rs. | Rs. |
| Calcutta and Eastern Canals | 23,551 | 118,611 | 2,078 | 15,175 | 17,899 | 77,955 | 30,984 | 130,948 | 1,015 | 11,995 | 20,200 | 86,154 |
| Tolly's Nala ... ... | 20,835 | 78,178 | 100 | 2,475 | 7,023 | 25,544 | 19,695 | 76,938 | 1,852 | 4,786 | 6,555 | 24,153 |
| Madaripur Bhil Route ... | 24,310 | 30,777 | Nil | 560 | 6,260 | 9,421 | 9,993 | 13,072 | 1,392 | 2,694 | 3,497 | 4,853 |
| Total ... | 68,696 | 227,566 | 2,178 | 18,210 | 31,182 | 1,12,920 | 60,672 | 220,958 | 4,259 | 19,475 | 30,252 | 115,160 |
| Orissa Coast Canal ... | 3,537 | 18,21[illegible] | 30 | 15,450 | 1,288 | 6,104 | 2,175 | 10,209 | ..... | 6,520 | 984 | 4,111 |
| Nadia Rivers ... | 20,096 | 37,137 | 61,596 | 94,284 | 2,956 | 7,927 | 11,333 | 20,450 | 39,124 | 42,539 | 2,017 | 4,815 |
| Grand Total ... | 92,329 | 282,913 | 63,804 | 127,944 | 35,426 | 1,26,951 | 74,180 | 251,617 | 43,383 | 68,534 | 33,253 | 124,086 |

Calcutta,
*The 4th September 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 4th September 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 4th September 1909. | | | Week ending Saturday, the 5th September 1909. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 377 | 40,164 | 673 | 440 | 40,971 | 608 |
| Jute ... ... | 103 | 23,380* | 383 | 85 | 27,171† | 419 |
| Firewood ... ... | 12 | 9,650 | 149 | 25 | 19,725 | 311 |
| Other articles .. ... | 460 | 1,43,667 | 1,445 | 778 | 2,06,705 | 1,971 |
| Total ... | 952 | 2,16,861 | 2,650 | 1,328 | 2,94,572 | 3,309 |

* Weight by canal measurement, 28,912½ maunds.
† Ditt ditto, 32,200 „

CALCUTTA,
*The 7th September 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF JULY 1909.

THE month opened under ordinary monsoon conditions, with light or moderate rain fairly general and a steep pressure gradient in the north of the Bay. Towards the end of the first week rainfall diminished considerably and the mean temperature was slightly above normal. These changes were associated with the formation of depression at the head of the Bay.

On the 10th, the amount of rain received in Assam increased somewhat and by the 15th rain was again nearly general over the two provinces

Towards the middle of the month mean temperature was in defect over the whole area, and the pressure was above normal.

At the beginning of the third week the barometer fell below its average value in regions to the south-west of Bengal and remained thus until the end of the month. There was a reduction in the amount of rain received by Orissa and Chota Nagpur owing to the existence of a shallow depression over the Central Provinces. Another depression in the Bay at the end of the month was responsible for a general increase in the rainfall in Bengal, Bihar and Eastern Bengal associated with a mean temperature below normal.

On the whole month the amount of rain received was less than usual.

The defect was 5 per cent. in Bihar,
13 per cent. in Assam,
19 per cent. in Bengal,
22 per cent. in Chota Nagpur,
31 per cent. in Eastern Bengal.

The amount of cloud was less than usual in Eastern Bengal and Assam.

Humidity was practically normal throughout the month.

*Summary of temperature.*—The highest temperature recorded was 97·9° at Gaya and the lowest 69·9° was recorded at Ranchi.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of July 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month | Lowest observed during month. | Average for month. | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam* ... ... ... | 99·3 | 68·6 | 89·4 | 77·2 | 83·3 | — 0·5 |
| Eastern Bengal, North ... | 96·4 | 74·0 | 89·6 | 79·1 | 84·4 | + 0·7 |
| Eastern Bengal, South ... ... | 95·3 | 74·9 | 87·8 | 78·3 | 83·0 | + 0·6 |
| Bengal ... .. ... | 94·4 | 74·7 | 89·0 | 78·7 | 83·9 | — 0·2 |
| Bihar ... .. ... | 97·9 | 73·2 | 90·2 | 79·8 | 84·8 | + 0·3 |
| Chota Nagpur* ... ... ... | 95·1 | 69·9 | 86·3 | 75·4 | 80·9 | — 0·4 |
| Orissa ... ... ... | 93·4 | 71·6 | 86·1 | 77·0 | 81·7 | — 1·6 |

* Purnea not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province.

*Actual and average rainfall and departure from normal for the month of July 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 4·18 | 11·45 | — 7·27 |
| | Malda ... ... ... | Malda ... ... ... | 6·86 | 11·07 | — 4·21 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 7·63 | 15·23 | — 7·60 |
| | Jalpaiguri ... ... | Jalpaiguri ... ... | 18·41 | 29·57 | —11·16 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 18·07 | 25·47 | — 7·40 |
| | Rangpur ... ... ... | Rangpur ... ... ... | 6·21 | 15·93 | — 9·72 |
| | Bogra ... ... ... | Bogra ... ... ... | 8·68 | 15·12 | — 6·44 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 8·35 | 11·30 | — 2·95 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 8·70 | 13·25 | — 4·55 |
| | Mymensingh ... ... | Mymensingh ... .. | 6·82 | 17·15 | —10·33 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 7·74 | 12·45 | — 4·71 |
| | Backergunge ... ... | Barisal ... ... ... | 15·43 | 16·34 | — 0·91 |
| | Tippera ... ... ... | Comilla ... ... ... | 8·40 | 17·07 | — 8·67 |
| | Noakhali ... ... ... | Noakhali ... ... ... | 16·51 | 22·14 | — 5·63 |
| | Chittagong ... ... | Chittagong ... ... | 19·55 | 22·92 | — 3·37 |
| | | Cox's Bazar ... ... | 38·00 | 39·92 | — 1·92 |
| Bengal .. | Burdwan ... ... ... | Burdwan ... ... ... | 6·20 | 12·32 | — 6·12 |
| | | Raniganj ... ... ... | 5·54 | 14·15 | — 8·61 |
| | Bankura ... ... ... | Bankura ... ... ... | 9·48 | 12·87 | — 3·39 |
| | Midnapore .. ... | Midnapore ... ... | 10·00 | 11·90 | — 1·90 |
| | 24-Parganas ... ... | Saugor Island ... ... | 13·24 | 15·53 | — 2·29 |
| | Calcutta ... ... ... | Calcutta ... ... ... | 9·94 | 12·31 | — 2·37 |
| | Nadia ... ... ... | Krishnagar ... ... | 8·53 | 10 37 | — 1·84 |
| | Murshidabad ... ... | Berhampore ... ... | 10·07 | 10·31 | — 0·24 |
| | Jessore ... ... ... | Jessore ... ... ... | 12·07 | 11·62 | + 0·45 |
| Bihar ... | Patna ... ... ... | Bankipore ... ... ... | 12·05 | 11·41 | + 0·64 |
| | Gaya ... ... ... | Gaya ... ... ... | 16 20 | 12·30 | + 3·90 |
| | Shahabad ... ... | Dehri ... ... ... | 9·60 | 11·64 | — 2·04 |
| | | Buxar ... ... ... | 15·23 | 11·72 | + 3 51 |
| | | Arrah ... ... ... | 11·36 | 13·35 | — 1·99 |
| | Saran ... ... ... | Chapra ... ... ... | 11·33 | 11·29 | + 0·04 |
| | Champaran ... ... | Motihari ... ... ... | 11·20 | 12·49 | — 1·29 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 5·65 | 11·90 | — 6·25 |
| | Darbhanga ... ... | Darbhanga ... ... | 14·22 | 12·13 | + 2·09 |
| | Monghyr ... ... ... | Monghyr ... ... | 7·33 | 12·42 | — 5·09 |
| | Bhagalpur ... ... | Bhagalpur ... ... | 5·86 | 12·21 | — 6·35 |
| | Purnea ... ... ... | Purnea ... ... ... | 7·92 | 15·00 | — 7·08 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 7·02 | 14·14 | — 7·12 |
| | Darjeeling ... ... | Darjeeling ... ... | 33·43 | 31·74 | + 1·69 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | 8·93 | 13·62 | — 4·69 |
| | Ranchi ... ... ... | Ranchi ... ... ... | 14·96 | 13·20 | + 1·76 |
| | Singhbhum ... ... | Chaibassa ... ... | 9·31 | 13·33 | — 4·02 |
| | Palamau ... ... ... | Daltonganj ... ... | 17·94 | 12·51 | + 5·43 |
| | Manbhum ... ... | Purulia ... ... ... | [illegible]·89 | 12·23 | — 3·34 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 21·24 | 19·87 | + 1·37 |
| | Angul ... ... ... | Angul ... ... ... | 10·57 | 11·07 | — 0·50 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 17·44 | 12·06 | + 5·38 |
| | | False Point ... ... | 15·03 | 13·71 | + 1·32 |
| | Balasore ... ... ... | Balasore ... ... ... | 8·55 | 11·75 | — 3·20 |
| | Puri ... ... ... | Puri ... ... ... | 17·02 | 9·76 | + 7·26 |

METEOROLOGICAL OFFICE, BENGAL,
*The 7th September 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 29th August to 4th September 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb | Hygrometry. Vapour tension. | Hygrometry. Dew point | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| August | 29th | 81·6 | 0·0 | 29·655 | 76·3 | 80·3 | 3·5 | 76·8 | 76·9 | 0·916 | 76·6 | 97 | SW and S ... | 235 | 0·78 | Cloudy, o, g, d, p. |
| " | 30th | 106·6 | 0·0 | 741 | 79·5 | 84·4 | 9·2 | 75·2 | 77·7 | 933 | 77·1 | 94 | S and SSE ... | 137 | 3·56 | Cloudy, o, g, d, p, t. |
| " | 31st | 153·3 | 4·9 | ·807 | 82·8 | 88·2 | 10·2 | 78·0 | 78·9 | ·940 | 77·3 | 85 | SSE and SW by S | 85 | 1·09 | Partially cloudy. |
| Sept | 1st | 148·0 | 8·1 | ·757 | 83·9 | 90·4 | 12·4 | 78·0 | 79·5 | ·957 | 77·9 | 83 | SW by S, SW and WSW. | 103 | Nil | Partially cloudy. |
| " | 2nd | 94·4 | 0·0 | ·743 | 79·5 | 83·5 | 7·5 | 76·0 | 76·7 | ·901 | 76·0 | 92 | WSW SW by W and SE by S. | 76 | Nil | Cloudy o, d, p. |
| " | 3rd | 139·4 | 0·5 | 800 | 80·4 | 85·7 | 10·1 | 75·6 | 76·3 | 886 | 75·6 | 92 | SE by S, ESE and ENE. | 65 | 0·19 | Chiefly cloudy, o, d, p. |
| " | 4th | 145·4 | 6·0 | ·802 | 82·6 | 88·7 | 11·7 | 77·0 | 78·7 | ·929 | 77·0 | 83 | ENE, ESE and SSE. | 109 | 0·25 | Partially cloudy, p. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·758 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·641 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 19·5 |
| The maximum possible number of hours of sunshine ... ... ... | 87·8 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 81·0 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 83·8 |
| The extreme variation of temperature ... ... ... ... | 15·2 |
| The maximum temperature ... ... ... ... ... | 90·4 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 17 |
| | % |
| The mean relative humidity ... ... ... ... ... ... | 89 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 85 |
| The total fall of rain from 29th August to 4th September 1909 ... ... | 5·87 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 2·42 |
| The total fall from 1st January to 4th September 1909 ... ... | 58·75 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 49·75 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; g, dark gloomy; t, thunder; d, drizzling rain; p, passing temporary showers.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 6th September 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 21st August 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 46,000 | 31,500 0 0 | 237,500 0 | 45,000 0 0 | 4,500 0 0 | 81,000 0 0 | 14,254 | 18,026 | 32,280 |
| Or per mile of railway ... | 62·50 | 41·02 | 308·04 | 58·37 | 5·84 | 105 23 | 18 56 | 23·38 | 41 94 |
| For previous 7 weeks of half-year ... ... ... ... | 356,500 | 2,35,500 0 0 | 1,666,000 0 | 2,74,000 0 0 | 21,000 0 0 | 5,30,500 0 0 | 92,233 | 121 382 | 213,615 |
| Total for 8 weeks ... | 404,500 | 2,67,000 0 0 | 1,903,500 0 | 3,19,000 0 0 | 25,500 0 0 | 6,11,500 0 0 | 106,487 | 139,408 | 245,895 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 43.065 | 23,943 0 0 | 236,356 0 | 44,298 0 0 | 4.930 0 0 | 73,171 0 0 | 15,163 | 20,640 | 35,803 |
| Per mile of railway corresponding week of previous year ... | 56·07 | 31·8 | 303·56 | 57 46 | 6 39 | 95·03 | 19·74 | 26·77 | 46 51 |
| Total to corresponding date of previous year ... ... . | 376,2:2 | 2,22,827 0 0 | 2,018.761 0 | 3,40,405 0 0 | 30,005 0 0 | 5,93 297 0 0 | 120 677 | 145,502 | 266 179 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 21st August 1909. | | | Receipts for week ending 22nd August 1908. | | | Total receipts from 1st April 1909 to 21st August 1909 | | | Total receipts from 1st April 1908 to 22nd August 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked | Mean mileage worked | Receipts. | Per mile worked | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 81,000 | 105·23 | 771 | 73,171 | 95·03 | 771 | 17,85,515 | .. | 771 | 16,95,316 | .. | 70,199 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 21st August 1909 on (a) 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (b) | Mds. | Rs. (c) | Rs. (d) | Rs. | | | |
| Total traffic for the week on (a) 1,867 miles open ... .. | 340,630 | 1,17,000 | 591,430 | 69,350 | [illegible] | 1,98,310 | 57,538 | (e)30,800 | 88,338 |
| Or per mile of railway | 187 27 | 62·67 | 316 73 | 37 14 | 6·35 | 106 16 | ..... | ..... | ..... |
| For previous 6¾ weeks of half-year .. ... ... . | 2,177,010 | 7,87,810 | 5,406,580 | 6,56,700 | 1,35,330 | 15,69,840 | 375,677 | 220,885 | 596,562 |
| Total for 7¾ weeks ... | 2,516,640 | 9,04,810 | 5,998,010 | 7,26,050 | 1,37, 90 | 17,68,050 | 433,215 | 251,685 | 684,900 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... . ... .. | 300,804 | 1,11,470 | 843,168 | 92,903 | 21 252 | 2,25,624 | 60,303 | (f)38,303 | 98 608 |
| Per mile of corresponding week of previous year ... ... | 167·95 | 62 24 | 470 78 | 51 87 | 11 87 | 125 98 | .. | .. . | .... |
| Total to corresponding date of previous year ... ... ... | 2,512 003 | 9.87.392 | 7 213 491 | 8,17,287 | 1,83 519 | 19.83,198 | 446,069 | 305,816 | 751,885 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2 03 | | 2·25 | ·13 | 2 24 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1 8. | | 3 43 | ·22 | 2·39 | | | |

(a) Revised *vide* Statement No. XIII of Revenue Account.
(b) Increase under passengers due to the Jhulan méla held earlier last year.
(c) General decrease probably due to heavy rains and breaches.
(d) Decrease mainly under steam boat.
(e) Includes 8,002 miles of ballast trains.
(f) Ditto 9,116 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 21st August 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 360,990 | 1,45,880 0 0 | 1,884,720 0 | 3,49,700 0 0 | 16,400 0 0 | 5,11,980 0 0 | 77,531 | (d) 49,852 | 127,383 |
| Or per mile of railway ... ... | (a) 268 | (a) 108 0 0 | 1,259 0 | 234 0 0 | (c) 1 0 0 | (c) 332 0 0 | ..... | ..... | ..... |
| For previous 7 weeks of half-year ... ... ... ... | 2,965,630 | 10,83,530 0 0 | 10,024,940 0 | 14,61,460 0 0 | 1,44,940 0 0 | 26,89,930 0 0 | 495,069 | 301,308 | 796,377 |
| Total for 8 weeks ... | 3,326,620 | 12,29,410 0 0 | 11,909,670 0 | 18,11,160 0 0 | 1,61,340 0 0 | 32,01,910 0 0 | 572,600 | 351,160 | 923,760 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 378,708 | 1,57,574 0 0 | 1,774,513 0 | 3 48,293 0 0 | 18,900 0 0 | 5,24 772 0 0 | 73,678 | 51,229 | 124,907 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b) 308 | (b) 128 0 0 | 1,393 0 | 273 0 0 | ..... | 397 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. | 3,607,946 | 13,31,215 0 0 | 12,849,847 0 | 18,03,101 0 0 | 1,86,430 0 0 | 32,90,746 0 0 | 565,867 | 337,952 | 903,819 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding steamer earnings, Rs. 14,900.
(d) Excluding ballast train-miles, Rs. 10,[illegible]78.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 21st August 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 33,740 | 8,250 0 0 | 49,860 0 | 3,890 0 0 | 230 0 0 | 12,370 0 0 | 5,208 | (a) 1,344 | 6,552 |
| Or per mile of railway ... | 392 | 96 0 0 | 580 0 | 45 0 0 | 3 0 0 | 144 0 0 | ..... | ..... | ..... |
| For previous 7 weeks of half-year ... ... ... ... | 249,130 | 65,500 0 0 | 238,320 0 | 18,150 0 0 | 1,390 0 0 | 85,040 0 0 | 36,104 | 7,206 | 43,310 |
| Total for 8 weeks .. | 282,870 | 173,750 0 0 | 285,180 0 | 22,040 0 0 | 1,620 0 0 | 97,410 0 0 | 41,312 | 8,550 | 49,862 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | (b) 53,396 | (b) 15,426 0 0 | 53,984 0 | 5,150 0 0 | 74 0 0 | 20,650 0 0 | 5,706 | 1,400 | 7,106 |
| Per mile of railway corresponding week of previous year ... | 621 | 179 0 0 | 628 0 | 60 0 0 | 1 0 0 | 240 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 363,457 | 94,413 [illegible] 0 | 456,926 0 | 29,149 0 0 | 1,544 0 0 | 1,25,106 0 0 | 41,894 | 11,545 | 54,439 |

(a) Excluding ballast train-miles, 600.
(b) Includes abnormal traffic for Janmashtami Mela.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 21st August 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,190 | 1,260 0 0 | 18,640 0 | 1,480 0 0 | 10 0 0 | 2,750 0 0 | 420 | (a) 908 | 1,328 |
| Or per mile of railway ... ... | 95 | 38 0 0 | 555 0 | 44 0 0 | ..... | 82 0 0 | ..... | ..... | ..... |
| For previous 7 weeks of half-year ... ... ... ... | 21,510 | 8,530 0 0 | 103,010 0 | 9,050 0 0 | 70 0 0 | 17,650 0 0 | 2,884 | 12,566 | 15,450 |
| Total for 8 weeks ... | 24,700 | 9,790 0 0 | 121,650 0 | 10,530 0 0 | 80 0 0 | 20,400 0 0 | 3,304 | 13,474 | 16,778 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,796 | 1,343 0 0 | 28,723 0 | 2,760 0 0 | 12 0 0 | 4,115 0 0 | 420 | 886 | 1,306 |
| Per mile of railway corresponding week of previous year ... | 113 | 40 0 0 | 855 0 | 82 0 0 | ..... | 122 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 28,540 | 10,999 0 0 | 174,556 0 | 15,777 0 0 | 88 0 0 | 26,864 0 0 | 3,367 | 10,890 | 14,257 |

(a) Excluding ballast train-miles, 924.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 21st August 1909 on 54 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 13,270 | 3,860 0 0 | 56,020 0 | 3,070 0 0 | 30 0 0 | 6,960 0 0 | 1,540 | (a) 703 | 2,243 |
| Or per mile of railway ... ... | 246 | 71 0 0 | 1,037 0 | 57 0 0 | 1 0 0 | 129 0 0 | ..... | ..... | ..... |
| For previous 7 weeks of half-year ... ... ... ... | 68,940 | 21,180 0 0 | 187,820 0 | 10,730 0 0 | 150 0 0 | 32,060 0 0 | 13,310 | 2,516 | 15,826 |
| Total for 8 weeks ... | 82,210 | 25,040 0 0 | 243,840 0 | 13,800 0 0 | 180 0 0 | 39,020 0 0 | 14,850 | 3,219 | 18,069 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 13,879 | 3,905 0 0 | 38,021 0 | 2,409 0 0 | 34 0 0 | 6,348 0 0 | 1,978 | 476 | 2,454 |
| Per mile of railway corresponding week of previous year ... ... | 257 | 72 0 0 | 704 0 | 45 0 0 | 1 0 0 | 118 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 103,185 | 31,065 0 0 | 218,749 0 | 13,054 0 0 | 216 0 0 | 44,335 0 0 | 15,067 | 3,102 | 18,169 |

(a) Ballast train-miles, *nil*.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 28th August 1909 ... | Coaching ... | 6,144 0 0 | 19,943 0 0 |
| | Goods ... | 13,457 0 0 | |
| | Other earnings ... | 342 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 6,290 0 0 | 16,589 0 0 |
| | Goods ... | 9,814 0 0 | |
| | Other earnings ... | 485 0 0 | |
| | Increase | | 3,354 0 0 |
| Receipts per mile for the week ending 28th August 1909 ... | | | 391 0 8 |
| Ditto for the corresponding period of 1908 ... | | | 325 4 5 |
| | Increase | | 65 12 3 |
| Receipts from 1st July to 28th August 1909 ... | | | 1,38,396 0 0 |
| Ditto for the corresponding period of 1908 ... | | | 1,29,655 0 0 |
| | Increase | | 8,741 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 8th September 1909.

REGISTERED No. C 209.]

No. 37 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 15, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.


| | Page |
|---|---|
| Report on the Administration of the Excise Department in Bengal during the year 1908-09 ... | 1325—1340 |
| The Mysore Dasara Industrial and Agricultural Exhibition, 1909 ... | 1341—1356 |
| Weather and Crop Report for the week ending the 13th September 1909 ... | 1357—1362 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 11th September 1909 ... | 1363 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 31st August 1909 ... | 1364—1371 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th September 1909 ... | 1372 |
| Railway Returns ... | 1373—1382 |


## REPORT ON THE ADMINISTRATION OF THE EXCISE DEPARTMENT IN BENGAL DURING THE YEAR 1908-09.

### NOTIFICATION.

*No. 275T.—S.R.—The 9th September 1909.*—The following extracts from the Report of the Commissioner of Excise on the administration of the Excise Department in Bengal during the year 1908-09, and from the letter from the Board of Revenue reviewing the Report, are published for general information.

H. WHEELER,
*Secy. to the Govt. of Bengal.*

---

No. 4627B., dated Calcutta, the 28th August 1909.

From—SRIGOPAL BHATTACHARJI, ESQ., M.A., B.L., Secretary to the Board of Revenue, L. P., Miscellaneous Revenue Department,

To—The Secretary to the Government of Bengal, Financial Department.

I AM directed by the Board of Revenue to submit the Report of the Commissioner of Excise, Bengal, on the administration of the Excise Department during the year 1908-09.

*Member in charge:*
THE HON'BLE MR. W. C. MACPHERSON, C.S.I.

2. *Administrative changes.*—Among the administrative changes which took effect during the year may be mentioned the extension of the distillery areas in the districts of Monghyr, Bhagalpur and Muzaffarpur, the introduction of the distillery system into a portion of the district of Ranchi, the abolition of passes for the transport of imported liquor, the increase of the rate of duty on country spirit during the year in 11 districts or parts of districts, the abolition of 16 country spirit shops in Calcutta, the reduction of the limit of retail sale of country spirit from 12 bottles to 6 bottles in Calcutta, and the reduction of the strength of spirit issued from the Russa distillery from 17° U.P. to 20° U.P. The three reforms last mentioned were carried out on recommendations made by the Committee which sat in 1907-08 to examine questions relating to the number and location of shops licensed for sale of spirituous liquor in Calcutta and the suburbs. Local Committees were also appointed in February and March 1909 in 28 large towns to advise Collectors with regard to the licensing of liquor shops for the current year. The working of these Committees is noticed in the next paragraph.

The revised Excise Bill was introduced in the Bengal Council in January 1909 and was referred to a select Committee in March last. It has since passed through the Council and is awaiting the assent of His Excellency the Governor-General.

3. *Local Advisory Committees.*—The Government of India directed that the action taken with regard to consulting and recording local opinion in the matter of the number and location of liquor shops, the number of towns in which local Committees have been set up for the above purpose, and the extent to which non-official opinion is represented in such Committees should be specially noticed in the Excise Administration Report for 1908-09. This subject should be more fully noticed by the Commissioner in future reports. It has been ascertained that local Committees were appointed in 28 municipal towns to consider and advise with regard to the number and sites of liquor shops to be licensed; but it is understood that in six of these towns, the Committees did not meet and the Excise Commissioner reports that in several instances there was want of interest in the proceedings. According to the instructions of Government, the Committee in each case was composed as follows:—(1) The Collector of the District, Chairman; (2) the Superintendent of Police; (3) the Chairman of the Municipality, and in towns where the Collector is the Chairman, the Vice-Chairman of the Municipality; (4) one Municipal Commissioner nominated by the Municipal Commissioners for each ward in which liquor shops were to be licensed. The Committees were formed on these lines; and the settlement proposals for the current year, so far as related to the municipal areas, were referred to the Committees for advice. Objections were considered with regard to 4 imported liquor shops (including a restaurant), 17 country spirit shops, 2 *pachwai* shops and about 109 *tari* shops. The objections in respect of 2 imported liquor shops (including a restaurant), 12 country spirit shops and 101 *tari* shops were accepted; and the objections in respect of 2 imported liquor shops, 2 country spirit shops, and 3 *tari* shops, in the town of Burdwan, and 2 country spirit shops and 2 *pachwai* shops in the town of Bankura, were held over for consideration at next year's settlements. One new imported liquor shop was opened in Sandipur in accordance with the Committee's recommendation. The results of the large reduction made in the number of *tari* shops (93 to 20) in the town of Bhagalpur, at the instance of the local Committee, should be stated in the report for the current year.

The Board think that it is premature to give an opinion as to the usefulness of the work done by the local Committees.

In Calcutta no local Committee was appointed to consider the settlement proposals for 1909-10, as a Committee had advised in the previous year with regard to the licensing in Calcutta and the suburbs. The Calcutta Committee, as has been previously reported, made useful recommendations, which to a large extent, have been carried into effect.

4. *Revenue.*—The total receipts of the year inclusive of advance collections amounted to Rs. 170 lakhs against Rs. 170¾ lakhs in the preceding year, showing a decrease of three quarters of a lakh of rupees. The license

fee collections for the year showed an increase of Rs. 1,23,229 and the receipts from duty, distillery fees and miscellaneous sources were better by Rs 10,757; but the advance collections made in 1908-09 on account of 1909-10 showed a decline of Rs. 2,11,272, so that the net decrease on the total collections of the year amounted to Rs. 77,286, as pointed out in paragraph 4 of the report. Deducting the advance collection (Rs. 13,74,886) for 1909-10 and adding the revenue (Rs. 15,86,158) for 1908-09, which was collected in advance in 1907-08, the net receipts on account of 1908-09 were Rs. 1,72,12,059, against Rs. 1,68,76,320 of the preceding year after similar adjustment. Country spirit, *ganja* and opium gave 89¾ lakhs, 28 lakhs and 27¼ lakhs or 53 per cent., 16 per cent., and 16 per cent., respectively, of the total revenue of the year. The receipts from *ganja* and opium show an increase of 1½ lakhs and 1 lakh or 5·7 and 3·8 per cent., respectively, while the receipts from country spirit show a falling off of 4¼ lakhs or 4·5 per cent. During the year under report, the incidence of taxation per gallon of L. P. spirit under the contract and central distillery systems taken together was Rs. 5·7 against Rs. 5 in the previous year, and the average fee for each outstill was Rs. 2,148 against Rs. 2,393 in the preceding year.

5. *Result of Settlements.*—There was a heavy decrease in the total license fees at which country spirit shops have been settled for the current year. The decrease in Monghyr (Rs. 1,70,136), Purnea (Rs. 1,61,904) and Bhagalpur (Rs. 74,502) is due to the conversion of outstills into distillery shops on the introduction of the contract system from the 1st April 1909. A similar reason contributed to some extent to the decrease in Patna (Rs. 1,31,316) and Ranchi (Rs. 69,281) where the central distillery system has been extended from the current year to a portion of the outstill area.

6. *Country Spirit.*—Consumption decreased by 92,998 gallons L. P. in the contract and central distillery areas, but there was an increase of Rs. 2,63,667 in the total revenue derived from country spirit in these areas. This is a satisfactory result. In the case of Calcutta where there was a decrease of 65,533 L. P. gallons in the consumption of country spirit accompanied by a falling off of Rs. 1,34,216 in the revenue, the Excise Commissioner considers that the high price of food-grains and the increased price of country spirit forced the consumer to restrict his consumption or to resort to other intoxicants, *viz.*, imported liquor, opium and *ganja*. The figures appear to the Board to show that there was some substitution of imported plain spirit for country spirit in the case of Calcutta consumers; but it is doubtful whether the increased price of country spirit caused consumers to take to opium and *ganja*. The increased sales of opium are without doubt due to the operations of smugglers who purchased for the Burma traffic. With regard to *ganja* it is to be noticed that the high prices paid to the *ganja* cultivators at Naugaon led to decreased consumption during the last two years. The recent fall in the wholesale price of *ganja* may have stimulated consumption of the drug by the classes addicted to it without bringing it into competition with country spirit.

The heavy decrease in the outstill revenue of the district of Gaya and the considerable decreases in Palamau and Hazaribagh no doubt represent decreased consumption and were due, as the Commissioner reports, to scarcity, continuance of high prices, failure of the *mahua* crop and depression in the lac and mica trade. In Gaya the decrease succeeded to the considerable increase in 1907-08, and it appears to have been specially due to the failure of the *mahua* crop.

7. *Sites.*—Special attention appears to have been paid during the year to the location of liquor shops. Revised rules have been recently issued by the Board in accordance with the orders of the Government of India passed on the recommendations of the Indian Excise Committee as to selection of sites of liquor shops.

8. *Convictions for drunkenness and action taken against licensees for permitting it.*—Convictions for drunkenness increased in Burdwan and Sambalpur. In the former district consumption is known to have increased, whereas in the latter district it decreased during the year. Only in two cases

was action taken against vendors on account of drunkenness on licensed premises. A condition has recently been inserted in liquor licenses prohibiting the vendor from selling liquor to drunken persons.

9. *New private distilleries.*—Of the two new distilleries equipped in modern method opened during the year, one is owned by an Indian manufacturer. Adequate areas have been allotted to each for supply of liquor under the contract system. The Excise Commissioner and the Board realise the importance of assigning such contracts as far as possible to native distillers or capitalists.

10. *Auction system.*—The Excise Commissioner makes certain observations in defence of the auction system of disposing of licenses. The Board need only say that the subject has been fully considered by the Government of India in connection with the recommendations of the Indian Excise Committee, and it has been decided that the system should continue.

11. *Denatured spirit.*—Nearly 93 per cent. of the imported spirit methylated in Calcutta was Java spirit, which on account of its cheapness now practically monopolises the market. It is satisfactory to notice that denatured spirit produced in a local distillery has for the first time been placed on the market.

12. *Tari.*—In paragraph 221 of their report the Indian Excise Committee remarked on the excessive number of *tari* shops in Bihar and recommended reduction of the number. Since then a substantial reduction appears to have been made in the number of *tari* shops, which has led to increased competition at the annual sales and to an increase of revenue in almost all the districts. The system of remittances of *tari* fees by money-order has been largely adopted in Bihar.

13. *Pachwai.*—The measures necessary for the better control of the consumption of *pachwai* were carefully examined during the year and the Board's proposals have since received the approval of Government. The action to be taken will come under review next year.

14. *Ganja.*—The report notices the existence of a large traffic in illicit *deshi* or indigenous *ganja*, which is smuggled into Sambalpur. The Deputy Commissioner of Sambalpur has proposed that in order to suppress this smuggling, Rajshahi *ganja* should be again introduced into the district. Rajshahi *ganja* was supplied to Sambalpur in 1906-07, but its supply was discontinued the following year as it was believed to be more potent and harmful than the Khandwa drug. Chemical analysis has, however, lately led to opposite conclusions.

15. *Opium.*—Smuggling of opium (chiefly of Excise opium) to Burma continues to be practised on a large scale. The supply of opium from the Treasury to shops licensed in Calcutta, the 24-Parganas and Howrah has recently been restricted in the hope of diminishing the facilities of smuggling. The check in consumption in the Orissa districts is satisfactory; but the Collectors have asked for increased preventive establishments to repress smuggling.

17. *Excise offences.*—There was a decrease in the total number of persons arrested for offences against the Excise and Opium laws as compared with the preceding year. The number of arrests for illicit distillation of country spirits showed a large decrease, which appears to have been mainly due to the scarcity of the *mahua* crop. The number of persons arrested for smuggling of illicit opium and illicit possession of opium also showed a decrease, though in view of the prevalence of smuggling to Burma an increase might have been expected under these heads. On the other hand, there was an increase in the number of comparatively minor offences detected, such as unlicensed sale of country spirit and *tari* and illicit possession of *tari*, cocaine, *madak* and *chandu*. A considerable number of arrests was made in Orissa for the possession and smuggling of Garhjat or indigenous *ganja*.

The Excise Commissioner again notices the want of co-operation on the part of daffadars and chaukidars in the prevention of Excise offences and says

that, generally speaking, the village police either actively abet or conveniently ignore illicit practices. Provision has been made in the Excise Bill as passed in Council imposing statutory obligation on village chaukidars and daffadars to report serious Excise offences and aid Excise officers.

The Excise Commissioner again brings to notice a number of instances in which the sentences passed by the trying magistrates appear to be *primâ facie* inadequate. Under the existing laws the offence of illicit distillation is punishable with a fine which may amount to five hundred rupees, and illicit possession, transport or sale of opium, is punishable with imprisonment for a term which may extend to one year, or with fine which may extend to one thousand rupees, or with both. A small fine for the commission of such offences cannot deter offenders from repeating the offences. Attention of Magistrates has been drawn in past years to the principle that the penalties inflicted should be regulated with some reference to the value of revenue imperilled by the habitual commission of the offence.

---

No. 4E., dated Calcutta, the 31st July 1909.

From—The HON'BLE MR. E. GEAKE, I.C.S., Commissioner of Excise and Salt, Bengal,

To—The Secretary to the Board of Revenue, L. P.

I HAVE the honour to submit the following report on the administration of the Excise Department in the Province of Bengal for the year 1908-09. Mr. B. Foley was in charge of the Department from the 1st April 1908 to the 27th February 1909, on which date I resumed charge.

* * * * * * *

Total Revenue and charges.

4. The Excise revenue and charges of the Province for the last five years are shown below :—

| Period. | Revenue. | Charges. | Net revenue. | Percentage of charges. |
|---|---|---|---|---|
| | Rs. | Rs. | Rs. | |
| 1904-05 ... | 1,41,98,334 | 6,80,021 | 1,35,18,313 | 4·78 |
| 1905-06 ... | 1,53,18,436 | 6,90,480 | 1,46,27,956 | 4·50 |
| 1906-07 ... | 1,60,79,779 | 7,35,356 | 1,53,44,423 | 4·57 |
| 1907-08 ... | 1,79,78,073 | 7,76,514 | 1,63,01,559 | 4·54 |
| 1908-09 ... | 1,70,00,787 | 7,97,679 | 1,62,03,108 | 4·69 |
| Difference of the past two years | —77,286 | +21,165 | —98,451 | +·15 |

The net revenue shows a decrease of Rs. 98,451 or ·6 per cent. as compared with that of the previous year.

Final estimates compared with total receipts and charges.

5. The receipts and the disbursements both fell short of the final estimates by Rs. 2,49,213 and Rs. 2,321 respectively.

* * * * * * *

Revenue under different heads.

9. Decreases occurred under the heads of country spirits, rum, *pachwai*, miscellaneous and denatured spirits. The largest increase was under *ganja*, being Rs. 1,54,767, opium comes next with an increase of Rs. 1,00,337, followed by *tari*, imported liquors, *siddhi* and beer which yielded increases of Rs. 57,175, Rs. 25,770, Rs 9,684 and Rs. 5,277, respectively. The largest decrease (Rs. 4,15,541) is to be found in country spirits. The fluctuations in the revenue from different exciseable articles are discussed in detail under each head.

* * * * * * *

Taking the population of Bengal according to the last census at 51 millions, and making an allowance of 7 per thousand per annum, which represents the average annual growth of population, the incidence of the excise revenue is 5 annas per head.

Result of settlements up to 31st May 1909.

11. There was a decrease of Rs. 6,57,667 which is shared by all the Divisions except Burdwan and Presidency.

## SECTION II.—COUNTRY SPIRIT.

Systems.

12. The manufacture and sale of country spirit are carried on under three systems, viz., the contract supply system, the central distillery system and the outstill system. The central distillery system is now confined to Russa, whence the shops in Calcuttta and the immediate vicinity draw their supplies.

Consumption of contract and distillery spirits.

13. The total consumption of contract and distillery spirits was 996,519 gallons L. P. against 1,089,517 gallons L. P. in the previous year, showing a decrease of 92,998 gallons. The decrease was large in Calcutta (65,533 gallons L. P.), Patna (31,948 gallons L. P.), Sonthal Parganas (22,889 gallons L. P.), Gaya (18,973 gallons L. P.), Saran (9,468 gallons L. P.), 24-Parganas (4,656 gallons L. P.), Darbhanga (2,356 gallons L.P.), Sambalpur (1,938 gallons L. P.), Nadia (1,358 gallons L. P.), Hazaribagh (1,291 gallons L. P.), Howrah (1,256 gallons L. P.) and Murshidabad (1,093 gallons L. P.). Several causes have affected consumption in Calcutta. The trade has been disturbed by continuous enquiries and numerous administrative changes, such as the drastic reduction in the number of licenses, the reduction of the limit of retail sale and of the strength of liquor issued, and increase in the rate of duty. The long-continued high price of food-grains and general depression in trade and commerce have also affected the purchasing power of consumers. The principal cause, however, is the simple one of rise in price which has forced the consumer to restrict his consumption or resort to other intoxicants. The taxation on country spirit was Rs. 8·5 per gallon L.P., compared with Rs. 7·2 in the previous year. In addition to a rise in duty of 10 annas per L. P. gallon there was an increase of Rs. 26,313 in license fees. This made the taxation on country spirit quite equal to that on imported spirit. The enormous increase in the consumption of opium and the marked rise in ganja show how the demand for cheap intoxicants was met. Restrictions have now been placed on the consumption of opium and I do not think it will be rash to prophesy a marked rise in the consumption of ganja, and a considerable increase in the consumption of spirits during the current year. In Patna, Gaya, Saran and Darbhanga, the decrease was due to scarcity and also to the raising of duty in the urban areas. The only districts in which there was an increase of consumption were Manbhum and Burdwan. Here the increase was due to the opening up of new collieries with the consequent influx of labour and high wages. The apparent increase in Bhagalpur, Monghyr and Muzaffarpur is due to extension of distillery areas and abolition of outstills. In Ranchi the distillery system was introduced in a portion of the district during the year, and the consumption of distillery liquor amounted to 44,808 gallons L. P.

Revenue under the contract supply and distillery systems.

14. The total revenue under the contract and distillery systems was Rs. 56,95,309 against Rs. 54,31,642 in the previous year, showing an increase of Rs. 2,63,667. The increase was marked in Ranchi (Rs. 1,19,818), Manbhum (Rs. 1,07,248), Burdwan (Rs. 73,100), Bhagalpur (Rs. 47,839), Monghyr (Rs. 37,685), Darjeeling (Rs. 21,627), Purnea (Rs. 17,991), Hooghly (Rs. 14,473) and Muzaffarpur (Rs. 10,596). In Ranchi the increase was nominal, and was due to the substitution of distillery system for outstills in a portion of the district. In Bhagalpur, Monghyr and Muzaffarpur the distillery system was extended during the year. In Purnea outstills were abolished and contract

supply system has been introduced from 1st April 1909; Rs. 17,991 represent license fees and duty realized in March as advance under contract supply system. The increase in Manbhum and Burdwan was due to better settlement and increased consumption. In Darjeeling and Hooghly the increase was solely due to settlement of shops at enhanced fees. The decrease was heavy in Calcutta (Rs. 1,84,216), Patna (Rs. 41,703) and Gaya (Rs. 41,637). In Calcutta the decrease was due to decreased consumption noticed above. The decrease in Patna and Gaya was due to the settlement of shops at reduced fees on account of scarcity and also to decreased consumption.

Outstill revenue.

15. The outstill revenue was Rs. 32,90,225 against Rs. 39,69,433, showing a decrease of Rs. 6,79,208. The decrease was heavy in Gaya (Rs. 2,21,329), Palamau (Rs. 79,265), Hazaribagh (Rs. 47,992), Patna (Rs. 20,821), Angul (Rs. 17,074) and Darbhanga (Rs. 16,497). The decreases in other districts are mostly due to reduction in outstill areas and substitution of distillery systems. Scarcity, continuance of high prices, failure of the mahua crop, depression in the lac and mica trade are the reasons advanced for the falling off in revenue under this head. In Angul the decrease was due to a movement on the part of the Khonds to abstain from drink supplied by *Sunris*.

Total number of licenses.

16. The number of licenses for the sale of country spirit (contract, distillery and outstill liquor) was 2,997 against 3,039 in the previous year, showing a decrease of 42. In Sambalpur 21 outstills were abolished in pursuance of the policy of reducing the facilities for obtaining drink in this district. In Calcutta 11 country spirit shops were abolished in accordance with the recommendation of the local Excise Committee. In the Sonthal Parganas the number of country spirit shops was increased by 7 to check illicit practices and meet local demand.

Total country spirit revenue.

17. The total country spirit revenue was Rs. 89,85,534 against Rs. 94,01,075 in the previous year, showing a decrease of Rs. 4,15,541.

Local Excise Committee.

18. In accordance with Government Order No. 118S.R., dated the 9th February 1909, local committees were appointed in the following towns to consider and advise in the matter of licensing, number and situation of liquor shops:—

| | | |
|---|---|---|
| Burdwan. | Cuttack. | Chapra. |
| Bankura. | Balasore. | Bettiah. |
| Midnapore. | Puri. | Muzaffarpur. |
| Hooghly. | Ranchi. | Hajipur. |
| Baranagore. | Bankipur. | Darbhanga. |
| South Suburban Municipality. | Behar. | Monghyr. |
| | Dinapur. | Jamalpur. |
| Bhatpara. | Gaya. | Bhagalpur. |
| Santipur. | Arrah. | Darjeeling. |
| Krishnagore. | Sasaram. | |

These committees were largely composed of non-official members. Generally speaking no objection was taken to the existing state of affairs. In Midnapore there was a suggestion that all the excise shops should be grouped together so as to centralise all noise and disturbance. In accordance with the recommendations of the Committees, one shop was opened in Santipur, one was closed in Patna and three in Bhagalpur. In a few instances the sites of country spirit shops were objected to and changed, but objections were principally directed against "tari" shops. These are exclusively frequented by the labouring classes who are apt to become excited and noisy on very slight provocation and are thus a nuisance to respectable neighbours. In several instances there was not sufficient local interest in the subject to induce the members to attend and form a meeting.

Sites.

19. The location of liquor shops continued to receive attention and although the rules on the subject may be admitted to represent counsels of perfection, still an earnest endeavour was made in most districts to furnish no ground for the reproach that no honest attempt had been made to enforce existing rules. Special attention was given to areas inhabited by aboriginal tribes.

In Hazaribagh, the sites of 30 outstills were changed on account of their proximity to bathing places, hâts, post offices and other public places.

In Ranchi, 32 outstills were removed during the year from roadsides or the proximity of hâts, and at the time of settlement for the current year new and unobjectionable sites to which 22 more outstills and 3 distillery liquor shops are to be removed have been notified.

In Manbhum, new sites were selected by the Special Excise Deputy Collector in consultation with local influential persons for many shops which had hitherto been opened in objectionable sites.

Calcutta Excise Committee.

20. The following action was taken on the report of the Calcutta Excise Committee with regard to country spirit shops:—

(a) Sixteen country spirit shops were abolished, viz., 3 from the 1st April 1908, 8 on the 1st July 1908 and 5 on the 31st March 1909.

(b) The limit of retail sale was reduced from two gallons to one gallon during the year and the hour of closure was directed to be conspicuously noted on the signboards put up in front of the shops.

(c) The issue strength was reduced from 17° U.P. to 20° U.P.

Revision of wholesale price.

21. The wholesale price of liquor was raised from annas 14 to Re. 1-8 per gallon L. P. in September 1908 in the rural area of the Asansol subdivision in Burdwan, in Birbhum and in the Rajmahal, Pakour, Deoghur and Jamtara subdivisions with a view to checking consumption. In the Dumka and Godda subdivisions, the wholesale price was raised from annas 13 and annas 14-6 to Re. 1-7 and Re. 1-8-6 respectively, or by annas 10 per L. P. gallon, as difficulty was experienced in keeping the two distilleries open at the existing rates on account of the high price of mohua.

Rates of duty.

22. The rate of duty in Calcutta was raised from Rs. 5 to Rs. 5-10 per gallon L. P. and in the Dumka and Godda subdivisions of the Sonthal Parganas from Rs. 2 to Rs. 2-8 a gallon L. P. from the 1st April 1908. In Patna, Gaya, Saran, Champaran, Muzaffarpur and Darbhanga, the rate of duty in the urban areas was raised from Rs. 2 to Rs. 2-8 per L. P. gallon, the existing rate of duty being retained in the rural areas.

In the Katwa and Tamluk subdivisions duty was raised from Rs. 3-12 to Rs. 4-6 per L. P. gallon with effect from the 15th October 1908. In Sambalpur the duty was raised from Re. 1-4 to Re. 1-14 per gallon L. P. from the 1st July 1908. The increase was intended to check increasing consumption.

Fixed strengths and maximum prices.

23. Consumption in the contract areas was carefully watched throughout the year. When the duty or wholesale price was raised, the maximum retail price was also raised in proportion. In Murshidabad, where there was an increase in license fees, the maximum prices were raised from Re. 1 and 9 annas to Re. 1-2 and annas 10, respectively, for 20° and 50° U.P. liquor from the 15th October 1908. In the Giridih subdivision a considerable increase in the issues of liquor of high strengths was observed accompanied by decreased issue of low strengths, and in order to remedy the displacement of weak liquor by strong the maximum prices were increased in the case of 20° and 50° U P. liquor from annas 12 and annas 6 to annas 14 and annas 8, respectively, from the 1st August 1908.

Minimum prices.

24. After discussion in Conference, it was decided that minimum prices for country liquor should be fixed in industrial centres and in towns where the competition of different vendors might lead to the undue lowering of prices and consequent increase of consumption. With the concurrence of the Collectors concerned, minimum prices were fixed with effect from the 1st April 1909 in the town shops in the districts of Burdwan, Muzaffarpur, Cuttack and the Sonthal Parganas and in the distillery area of Sambalpur.

Convictions for drunkenness and action taken against licensees for permitting it.

25. In Burdwan drunkenness is reported to have slightly increased, the number of convictions increasing from 247 to 262. In Sambalpur, where the consumption fell off largely during the year, convictions for drunkenness rose from 17 to 55. This shows how little connection there is between visible drunkenness and actual consumption. There was no occasion to take any action against licensed vendors for permitting drunkenness in their premises, except in Khulna, where a country spirit vendor was fined Rs. 15 for allowing drunkenness in his shop. In Ranchi, in a case in which a man had died near an outstill, presumably from excessive drinking there, the outstill was kept closed for one week as a punishment to the licensee.

* * * * * *

New private distilleries.

28. Two modern distilleries were opened—one in Saran and the other in Monghyr—by private parties for the supply of liquor under the contract system.

Extension of distillery and contract systems.

29. The distillery system has been extended to thana Fatwa of the Barh subdivision in the district of Patna and to an additional portion of the Ranchi district with effect from the 1st April 1909. The contract distillery system has also been introduced into the districts of Monghyr, Bhagalpur and Purnea from the same date.

Auction system of disposing of licenses.

30. Elsewhere in India this system has been attacked on the ground that the auction price of a shop is an absolutely ineffective weapon with which to fight increased indulgence in intoxicating drink, whereas an increase in direct duty is immediately and successfully operative. Whenever the latter method of taxation does not result in decreased consumption, it was urged that special causes must certainly account for the failure, but when increased license fees do not materially affect consumption or when consumption increases in spite of higher license fees, there appears to have been no attempt to search for such special causes. Experience in this province amply proves that higher license fees, if properly adjusted to local circumstances, will affect consumption just as infallibly as an increase in the fixed duty. It is merely a matter of imposing taxation in another form; the price is raised thereby and consumption decreased. Of course, if a shop with a low license fee is allowed to remain near, and in active competition with a shop that pays a high license fee, consumption may be stimulated instead of checked. The incidence of the license fees on consumption must be carefully assessed and bids accepted in accordance with the real value of the shop. It is thus essential that the officer who conducts the auction and settles the fees should know his business and use both discretion and common sense. An increase in consumption following an increase in license fees proves nothing except that the vendors [illegible]ated on increased custom owing to more favourable conditions and that their forecast proved correct. If the season fails to come up to their expectations they sustain a heavy loss, and license fees in the following year will show a corresponding fall. Taxation by means of auction thus adjusts itself automatically to the material condition of the people and is peculiarly suited to a country where prosperity so largely depends upon the character of the seasons. The only way in which a vendor can recover his increased outlay in license fees is by raising his prices or increasing his custom. It depends entirely upon comparative prosperity whether consumers pay the increased price or reduce their consumption In normal years consumption is determined by cost price and by that alone. Whatever may be said about pushing sales, hawking or advertisement in the case of exciseable articles, there is only one way of increasing consumption, and that is by lowering the price. No vendor will persist in selling at a loss; as his expenses rise, so much his prices, unless he can so increase his sales as to secure the same return from a smaller profit. One vendor might

succeed in doing this temporarily by attracting custom from other vendors, but this would not increase the total consumption. All the vendors cannot maintain a low level of prices in spite of an increase in license-fees. They have no option except to raise prices or reduce quality. The effect of license fees on consumption is susceptible of very easy proof. Reduce the license fees by one half in any district, retaining the same fixed duty, and see what the result will be. If such action results in a marked increase of consumption, surely the converse may be assumed, viz, that a rise in license fees will reduce consumption in the absence of extraneous causes. Reduction of fees during a famine will not cause an increase of consumption nor will the raising of fees in prosperous seasons bring about any marked fall in consumption. The * * figures show that enhanced taxation in the form of license fees cannot only reduce consumption just as effectually as a rise in direct duty, but if raised too high will practically extinguish licit consumption.

It may be conceded that when the article sold is issued to the vendor under Government supervision when prices and strengths are fixed and when the profit of the shop is thus susceptible of accurate calculation, the monopoly value can be secured without resort to auction. The difficulty lies in the selection of the vendor from among numerous candidates without creating any vested interest and without fostering improper practices and favouritism.

## SECTION III.—COUNTRY RUM.

License-fees.

32. The receipts from license-fees amounted to Rs. 13,200 against Rs. 17,140 in the previous year, showing a decrease of Rs. 3,940. The decrease was due to resettlement at reduced fees and also to the fact that no advance collection was made in March last owing to the abolition of the four licenses.

Consumption and duty.

33. The consumption of Madras and Konnagar rum increased by 1,532 gallons and 210 gallons respectively while Shajehanpur rum declined by 1,063 gallons. The bulk of the Madras rum, *viz.*, 7,928 gallons L. P., was issued duty-free on account of Government. The revenue from duty shows a decrease of Rs. 5,389, due to the importation of larger quantities of duty-free rum for Government purposes.

## SECTION IV.—IMPORTED LIQUOR.

Licenses.

36. The total number of licenses issued for the sale of imported liquor was 589 against 526 in the previous year, showing an increase of 63. The increase was mainly due to the issue of wholesale, retail and bar licenses to Messrs. Kellner and Co., Contractors of Railway Refreshment-rooms on the East Indian and Bengal-Nagpur Railways, to cover sales to outsiders, their Railway Refreshment-room licenses being restricted to sales to *bonâ-fide* passengers. In Calcutta 11 additional restaurant licenses were issued to those hotel-keepers who were carrying on a hotel and restaurant business combined, under the cover of the hotel license only.

Revenue.

37. The total receipts, which were derived from license fees alone, amounted to Rs. 2,94,058 against Rs. 2,68,288 in the previous year, showing an increase of Rs. 25,770. The increase was due to the issue of the additional licenses referred to above and also to the fact that in 1907-08 only ten months' fees were paid for subsidiary retail licenses in Calcutta, the remaining two months' fees having been paid previously in advance.

38. The fall in imports of better-class spirits is attributed to the general depression and also to the fact that the imports in the previous year were exceptionally large, and heavy stocks had accumulated. The imports of other sorts of spirits which include plain spirits, however, show an increase of 24,178 gallons. It is evident that inferior foreign liquor is displacing country spirit in Calcutta. In the 24-Parganas also the cheaper brands of imported liquor bottled and capsuled in Calcutta compete with country spirit. In Howrah and Hooghly also the *Bhadrolog* class and the better paid coolies in the Mills evince a decided preference for cheap German spirits bottled in Calcutta. These spirits are not only competing with country spirits but also with Shajahanpur rum. It is stated that the more prosperous among the mill-hands show a preference for these liquors on account of their gaudy labels and attractive capsules. At present, there are no figures available showing the actual consumption of imported liquor in Calcutta. The subject of compiling statistics to show the quantity of imported liquor consumed in Calcutta and the quantity exported is under consideration. It is reported from Jessore that contract spirit is displacing imported liquor to an appreciable extent.

Importation.

## SECTION V.—METHYLATED SPIRIT.

42. The total quantity of methylated spirit passed out was 146,434 gallons against 161,377 in the previous year, showing a decrease of 14,943. The decrease is apparently due to decreased manufacture of shellac.

Statistics.

43. There was a decrease of 4,674 gallons in the sale of Madras spirit, while 3,400 gallons of Konnagar spirit were, for the first time, placed on the market. Spirit manufactured in this country cannot, however, compete in the matter of price with that manufactured in Java, which now practically monopolises the market for industrial purposes. The quantity of Java spirit issued was 132,188 gallons against 7[illegible]1 in the previous year. Only 53 gallons imported from the United Kingdom and 10,525 gallons from Hamburg were so issued. No spirit already methylated was imported during the year.

Fluctuations.

## SECTION VI.—TARI.

46. The receipts were Rs. 12,39,376 against Rs. 11,82,201 in the previous year. There was a decrease of 1,032 in the number of licenses and an increase of Rs. 57,175 in revenue.

Statistics.

47. The number of licenses issued was 11,422 against 12,471 in the previous year, a decrease of 1,049. In Bihar a substantial reduction was made in the number of tari shops during the year. In Patna the number was reduced by 140, in Gaya by 273, in Shahabad by 167, in Saran by 99, in Champaran by 8, in Muzaffarpur by 254, in Darbhanga by 30, in Monghyr by 53 and in Bhagalpur by 18. The reduction had the effect of securing competition at the annual sales and there was an increase of revenue in almost all the districts. The increase is marked in Patna (Rs. 18,240), Gaya (Rs. 6,879), Shahabad (Rs. 5,698), Muzaffarpur (Rs. 5,012) and Bhagalpur (Rs. 5,301). Mr. Lang, Collector of Saran, writes as follows:—

Fermented tari.

"By reducing the number of licenses a keen competition is created among the pasis. The substantial pasis are growing into importance and insignificant ones are working under them as employés. On account of reduction of licenses during the last two years the

trees are not tapped so indiscriminately, hence the owners, who try to enhance the rents whenever a shop changes hands, cannot now insist upon the increase. Tari, however, is too cheap at present and is therefore drunk to excess. It is the exception to meet on the roads or in the shops men who have drunk too much country spirits, but intoxication from tari is unfortunately frequent."

This experience corroborates the view that much of the blame really due to tari is often wrongly imputed to the outstill in Bihar. With the abolition of outstills and consequent increase in price of country liquor, excessive indulgence in tari is likely to become still more noticeable. In the municipal towns of Muzaffarpur and Hajipur, where the population is more than 20,000, the number of tari shops has been reduced from 163 and 76 to 81 and 40, respectively, during the last two years. In the Bhagalpur town the number of tari shops has been reduced from 93 to 20 during the current year, at the instance of the local Excise Committee, which was convened to consider the number and location of liquor shops. Such drastic reduction seems to indicate that the consumers of tari and the pasis who sell it, being the poorest classes of the community, would receive but scant consideration if their interests were left at the mercy of influential local bodies. In Monghyr only 684 licenses have been settled during the current year, as against 792 in 1908 09, with an increase of Rs. 5,453 in demand. It is stated that applications for new shops in areas already congested were summarily rejected and the unsuccessful applicants generally found it to their interest to compete for existing shops rather than remain waiting for new ones. In Bihar the excessive number of tari shops was the subject of unfavourable comment by the Excise Committee, and since then a reduction of nearly two thousand licenses has been made The increase of Rs. 14,437 in Calcutta was mainly due to the realization of two months' fees as advance instead of one month's fee, with a view to check reckless bidding at the auction sales and subsequent surrender of licenses. In Darbhanga there was a decrease of Rs. 4,855. The tari vendors in this district were allowed time to pay their fees in consideration of famine.

Fresh tari.

48. Licenses for the sale of fresh tari were taken out in 14 districts against 11 districts in the previous year. The number of licenses, however, rose from 180 to 197, In Calcutta there was an increase of 17 licenses; this indicates a slight revival of the demand for fresh juice which has, for several years past, been on the decline.

## SECTION VII.—PACHWAI.

Statistics.

51. The total number of licenses issued for the retail sale and home-brewing of pachwai was 10,712 against 10,878 in the previous year, showing a decrease of 166. The receipts fell from Rs. 6,15,945 to Rs. 6,08,408, or by Rs. 7,537.

License for retail sale and revenue.

52. The revenue decreased from Rs. 5,93,732 to Rs. 5,85,506 or by Rs. 8,226. The decrease was heavy in Burdwan (Rs. 4,110), Birbhum (Rs. 4,029), Murshidabad (Rs. 2,384) and the Sonthal Parganas (Rs. 7,440), and was due to the settlement of shops at reduced fees on account of the high price of food-grains. In the Sonthal Parganas a remission of 40 per cent. on the license-fees was granted to all pachwai vendors during the months of June to September 1908 on account of the high price of rice. There was an increase of Rs. 8,968 in Manbhum, due to the settlement of shops at increased fees in the colliery tract on account of keen competition. The districts of Burdwan and Birbhum contributed Rs. 3,82,511 or nearly 63 per cent. of the total revenue, the Sonthal Parganas Rs. 50,542, Darjeeling Rs. 44,049, Bankura Rs. 27,412 and Murshidabad Rs. 20,668.

## SECTION IX.—GANJA.

Retail licenses.

58. The number of licenses issued for the retail sale of ganja was 2,045 against 2,040 in the previous year. The license-fees realised were Rs. 12,49,972 against Rs. 11,76,621 in the previous year, showing an increase of Rs. 73,351. A heavy fall in the wholesale price of ganja at Naugaon caused the vendors to anticipate larger profits and so to bid more freely for the licenses.

Consumption.

59. There was an increase of 98 maunds in the quantity of ganja consumed within the province.

## SECTION X—SIDDHI, SABZI OR BHANG.

Collection of *bhang* under Government supervision.

66. *Bhang* grows wild in most of the districts which lie to the north of the Ganges and east of the Bhagirathi. It is, however, collected under Government supervision in Monghyr, Bhagalpur and Purnea only. Two Sub-Inspectors with four peons are temporarily deputed each year for two months to supervise the collection, which generally takes place in May and June. The total quantity collected was 1,078 maunds against 871 maunds in the previous year.

Licenses.

67. The total number of licenses issued was 572 (500 for retail sale and 72 druggists' permits) against 477 (448 for retail sale and 29 druggists' permits) in the previous year. Calcutta is responsible for nearly the whole of this increase. Any *ganja* vendor who so desired was allowed to take out a license for the sale of *siddhi* and all took advantage of the concession. By this means a vexatious monopoly was broken up and separate shops for the sale of this drug ceased to exist, but the number of licenses issued rose from 20 to 63.

Consumption.

68. The consumption of *bhang* within the Province was 1,350 maunds against 1,320 maunds in the previous year. * *

Revenue.

69. The receipts from license-fees and duty amounted to Rs. 1,07,512 against Rs. 97,828 in the previous year. The increase of Rs. 9,684 is contributed both by license fees Rs. 8,717) and duty (Rs. 967). In Calcutta there was an increase of Rs. 5,157 in license-fees. The increase is, however, nominal as the previous year's receipts comprised the fees for 10 months only, the fees for the remaining two months having been paid in advance three years ago at the time of the triennial settlement.

Enhancement of duty.

70. Duty on *bhang* has been raised from 8 annas to 12 annas per seer in Patna, Gaya, Shahabad, the Sonthal Parganas and the Chota Nagpur Division and from 12 annas to Re. 1 per seer in Calcutta, Howrah, Hooghly and the 24-Parganas, from the 1st April 1909. In Birbhum and Bankura duty has been raised from 8 annas to 12 annas per seer, from the 1st July 1909.

## SECTION XI—CHARAS.

Licenses.

71. The number of licenses issued was 56 as in the previous year.

Imports.

72. The total quantity of *charas* imported during the year was 43 maunds 27 seers against 44 maunds 28 seers in the previous year. The drug was imported direct from the Punjab into Calcutta, the 24-Parganas, Birbhum and Gaya. Other districts obtained their supplies from these districts.

73. *Charas* is principally consumed in the districts of the Burdwan and Presidency Divisions. Of the 32 maunds in round figures imported into Calcutta, 19 maunds were consumed locally and 13 maunds were transported to other districts, the corresponding figures in the previous year being 21 maunds and 11 maunds, respectively. The consumption of *charas* depends largely upon the price of *ganja*, and as the price of the latter fell, the consumption of *charas* correspondingly decreased.

Consumption.

## SECTION XIII.—OPIUM.

75. The total number of licenses issued for the retail vend of opium was 1,355 against 1,339 in the previous year, showing an increase of 16. Twenty-four new shops were opened in 13 districts to meet local demand and discourage illicit practices, while in six districts 8 shops which appeared unnecessary, or in which the sales were small, were closed.

Licenses for retail sale.

78. The revenue from license fees rose from Rs. 6,22,531 to Rs. 6,57,895 or by Rs. 35,364. The increase was largest in Calcutta (Rs. 9,586), where in spite of the restrictions imposed on the issues of opium to each shop, bids ran high at the last settlement.

License fees.

79. The consumption of opium within the Province was 2,333 maunds against 2,201 maunds in the previous year, showing an increase of 132 maunds. The increase was large in Calcutta (105 maunds 11 seers), the 24-Parganas (42 maunds 21 seers) and Patna (17 maunds 33 seers). The increase in Calcutta and the 24-Parganas was chiefly due to increased smuggling into Burma. The increase in Patna is attributed to the reduction in the retail price, but a case of smuggling of duty-paid opium from this district was detected. In Gaya there was an increase of 3 maunds 14 seers, which was due to some extent to smuggling of duty-paid opium into Burma. Three Chittagonians with 12 seers of Excise opium were arrested at the Gaya Railway Station by the Railway Police. With a view to check smuggling into Burma, the supply of opium to each shop in Calcutta and the adjoining districts of the 24-Parganas, Howrah and Hooghly has been limited to the estimated normal local demand. Power has been taken to cancel the license if there is reason to believe that it is used as a cloak for illicit sales, including sales to opium-smugglers. The register showing the quantity of opium issued to each shop is carefully examined every month and when any abnormal increase in any shop is noticed which cannot be satisfactorily explained, immediate action is taken. In Monghyr there was an increase of 1 maund 39 seers, due to the discontinuance of poppy cultivation in thana Kharagpur and portions of thanas Monghyr and Chakai. In Bhagalpur there was also an increase of 1 maund 38 seers, due to the abolition of poppy cultivation from the district.

Consumption and duty.

There was a decrease of 7 maunds 33 seers in Midnapore, due to restriction of supply to border shops whence opium was smuggled into Orissa. The abnormal consumption of opium in the Orissa districts has been temporarily checked. But smuggling is reported and increased preventive establishments are demanded by the Collectors. There was a decrease of 6 maunds in Cuttack, 13 maunds in Balasore and 10 maunds in Puri. In Balasore 6 more shops have been abolished during the current year and the majority of *hât* shops removed to a distance from the market places. A condition has been inserted in all opium licenses forbidding the employment of hawkers for the sale of opium. In Purnea one of the reasons assigned for decrease of consumption which amounted to 1 maund 29 seers, is that a good many opium eaters and smokers have been sent to jail in connection with bad

livelihood cases. Indulgence in these habits is usually brought forward as a proof of bad character. Two hundred and one maunds of opium were issued to Foreign and Feudatory States against 229 maunds in the previous year.

The receipts from duty increased from Rs. 19,96,676 to Rs. 20,61,649 or by Rs. 64,973.

Total receipts.

80. The total receipts amounted to Rs. 27,19,544 against Rs. 26,19,207, showing an increase of Rs. 1,00,337, Rs. 35,364 from license fees and Rs. 64,973 from duty.

Madak and Chandu.

81. The habit of opium smoking is prevalent throughout Orissa, Midnapore and also in those large towns of the Province where the population is largely composed of low-class Muhammadans, especially in Patna, Bhagalpur and Murshidabad, inhabited by descendants and adherents of formerly illustrious families. Mr. Lyall, Collector of Bhagalpur, writes as follows :—

"The abolition of the system of licensing Madak and Chandu shops in this district does not appear to have resulted in a diminution of the pernicious habit of opium-smoking, as was fondly hoped for by the reformers. Apart from the consumption by individuals in their homes, no less than nine smoking dens are known to exist in the town of Bhagalpur alone and although four of them have been successfully raided during the past 8 months or so, and some of the culprits are undergoing rigorous imprisonment, there has been no perceptible decrease either in the number of smokers or in the smoking habit. Information of the existence of smoking dens in the Subdivisional towns has also been received although they could not be run down within the year for want of a sufficient number of trained detective officers"

A special report on the subject was submitted in this office letter No. 6T.E., dated the 18th April 1909. It was suggested that all gatherings for the purpose of smoking and all manufacture of Madak and Chandu, save by an individual of a small quantity for his own consumption, should be declared illegal.

## SECTION XIV.—COCAINE.

Licenses.

85. The total number of licenses issued was 2[illegible] against 245 in the previous year. It is difficult to restrict the number of licenses, as every so called chemist, who may require to dispense a prescription, represents that he cannot carry on business without a cocaine license. It will probably be necessary to enforce limitation by demanding some professional qualification before granting a license.

Abuses.

86. The number of persons convicted of illicit sale and possession of cocaine was 157, *viz.*, 1[illegible] in Calcutta, 19 in Bhagalpur, 7 in Hoo[illegible], [illegible] in Purnea, 2 in the Sonthal-Parganas and 1 in each of the districts of Patna and the 24-Parganas. In Calcutta the quantity of cocaine seized was 53 oz. of pure cocaine and 19½ oz. of admixture of cocaine against 293 oz. in the previous year. It is evident that indulgence in the drug has been rendered more difficult, as illicit supplies are now very restricted and the cost materially enhanced.

## SECTION XV.—OFFENCES AGAINST THE EXCISE AND OPIUM LAWS.

Arrests and convictions.

89. There were 2,885 persons arrested against 3,045 in the previous year, a decrease of 160. The fall was most marked in Birbhum (106), 24-Parganas (109), and Sonthal Parganas (111).

Work of Excise and other officers.

90. The number of persons arrested by Excise officers fell from 2,365 to 2,133 or by 232 and those by other officers increased from 680 to 752 or by 72.

Number imprisoned.

91. The number of persons imprisoned during the year was 156 against 112 in the previous year.

Fines and rewards.

93. During the year the fines imposed and realized amounted respectively to Rs. 66,243 and Rs. 48,736 against Rs. 61,750 and Rs. 43,163 in the previous year, the percentage of realization being 73·6 against 69·9 in the previous year.

# THE MYSORE DASARA INDUSTRIAL AND AGRICULTURAL EXHIBITION, 1909

## NOTIFICATION.

*No. 3634.—The 28th August 1909.*—The following prospectus and rules relating to the Industrial and Agricultural Exhibition to be held at Mysore in October 1909, are published for general information.

J. G. CUMMING,

*Offg. Secy. to the Govt. of Bengal.*

## PROSPECTUS OF THE DASARA EXHIBITION OF 1909.

*Introductory.*—With the sanction of the Government of His Highness the Maharaja of Mysore, the Committee issue the following prospectus in connection with the exhibition of 1909.

2. *Opening of the Exhibition.*—This year the Exhibition will commence on Monday, 18th October 1909, and close on Sunday, 31st. The Cattle Show will begin on Monday, 25th October, and close on Thursday, 28th. It may be observed that the show generally offers a good opportunity for people desirous of purchasing good specimens of Mysore cattle.

3. *Object of the Exhibition.*—The primary aim of the Committee is to impart to the Exhibition an educative character and to bring together articles, machinery and processes, the use of which it is desirable to bring to the notice of the raiyat, the artizan and the manufacturer by actual demonstration. But as the Exhibition of a single specimen may not afford full information, and may not be sufficiently attractive to the visiting public, articles intended for sale will also be admitted.

*Articles on sale* versus *samples.*—Articles on a larger scale sent merely for sale will have to be kept in separate stalls and under the charge of the exhibitors or their agents. There is no objection to the sale of actual exhibits, but they will not be allowed to be removed from the Exhibition grounds till the termination of the show. Articles admitted for purposes of sale alone may be removed after purchase. No article will be allowed to leave the Exhibition grounds without a gate pass.

4. *Plan of the buildings.*—A plan of the Exhibition grounds showing buildings and the extent covered and open space available is appended to this prospectus. Those who desire to have special facilities for the sale of articles or demonstration of processes, are requested to place themselves in communication with the Secretary to the Exhibition Committee.

5. *Horticultural Show.*—The Horticultural Show comprising "class" and "group," etc., mentioned in the first section of the prospectus, will be held on the 25th October 1909, and kept open till the close of the following day.

6. *Lectures and demonostrations.*—Lectures will be delivered by competent persons in English and Kanarese on subjects connected with Industry, Agriculture, Health and Sanitation, the value of agricultural implements and machines, their cost, construction and repairs. Arrangements will also be made for holding a competition on the Exhibition grounds in Ploughing, Weaving and processes connected therewith. The exact time and the place of the lectures and demonstration will be announced later on by handbills and notices.

7. *Donations.*—The Committee would thankfully accept donations for awarding prizes or medals from individuals or associations desiring to give an impetus to any special branch of Agriculture or Industry.

8. *Classification of exhibits.*—The classification of exhibits will be according to the price-list subjoined to the prospectus and entries in several sections should be made in the application forms precribed.

9. *Open to all India.*—The Committee invite exhibits from all the districts in the State as well as from outside. They also appeal to the various agricultural departments and associations in other parts of India, Burma and Ceylon to help them with exhibits and suggestions.

10. *Judges.*—Leading raiyats and non-official gentlemen will be invited to assist the Committee in judging the exhibits.

11. *Admission fees for visitors.*—An admission fee of annas two per head will be levied each time a person enters the Exhibition buildings. Season tickets will be issued at Re. 1 per head. These are not transferable, but books of eight single tickets may be had also at Re. 1 per book. If possible, return railway season tickets between Bangalore and Mysore at a reduced rate which will admit to the Exhibition for the whole season, will be arranged for.

## RULES AND REGULATIONS.

1. *Noxious articles.*—Explosives or any substance noxious or dangerous will not be admitted by the Committee.

2. *Particulars re exhibits.*—Intending exhibitors are requested to send to the Secretary to the Exhibition Committee, particulars of exhibits they intend to forward and the amount of space which their exhibits may take up in the necessary entry form appended to this prospectus Forms may also be obtained from the District, Divisional and Taluk Officers or from the Secretary to the Committee; plain paper of foolscap size may also be used provided all the headings in the form are properly copied and filled up and separate sheets should be used for each section.

3. *Applications from exhibitors.*—Applications should reach the Secretary not later than 15th September 1909. Each application should contain a post-card on which the address and post town of the exhibitor are legibly written.

4. *Lists from taluks.*—Deputy Commissioners of districts with the District Committee, Subdivisional Officers and Amildars of Taluks are requested to convene, as early as possible, a meeting of the leading artizans, raiyats and merchants' residing within their respective charges to explain to them fully the object and scope of the Exhibition, to carefully acquaint them with the rules and regulations drawing particular attention to such paragraphs as 2, 3, 10, etc., to distribute to them forms of applications to have them filled up by intending exhibitors compile them, and to forward them to the Secretary.

5. *Articles not enumerated.*—The classified list of prizes will show the nature of articles which can compete at the Exhibition. Articles not especially enumerated in the prize-list may, however, be admitted by the Committee at their discretion.

6. *No fees to be charged for exhibits.*—No fees will be charged for the admission or registration of exhibits or for the space allowed for them.

7. *Acceptance of exhibits.*—The Committee reserve to themselves absolute discretion as regards the acceptance or rejection of exhibits and the allotment of space covered or uncovered.

8. *Delivery of exhibits.*—Articles intended for the Exhibition may be brought by the exhibitor or his agent or servant and delivered at the Exhibition grounds or sent by post or railway, and all Taluk and District exhibits should be sent through the Deputy Commissioners of districts.

9. *Payment of freight and transport charges.*—No exhibits in respect of which the necessary freight or transport charges have not been paid by the exhibitor, will be accepted by the Committee.

10 *List of particulars*—All packages received or delivered and all implements and machinery intended for the Exhibition must bear a label specifying name and number of exhibits and the registered number of the exhibitor and must be addressed to the Secretary. They must contain a list in duplicate showing the name or description of the article, its price, the place of production or manufacture, name of the manufacturer or exhibitor; in the case of exhibits in the agricultural section, essential particulars such as—

(1) The season of sowing.
(2) The soil on which they are grown.
(3) The quantity of seed per acre.
(4) The manure used.
(5) Whether any irrigation is required.
(6) The time required for the maturing of the crop.
(7) The average yield per acre.
(8) Any other interesting details regarding cultivation should be given.

11. *Exhibits which have already won prizes.*—Exhibits which have won prizes or medals in the Mysore Exhibitions of 1906, 1907 and 1908 shall be precluded from competing for prizes, though there is no objection to their being accepted for purposes of show or sale.

12. *Date of delivery of exhibits.*—Intending exhibitors are requested to send the exhibits so as to reach Mysore on the 25th September 1909, from which date the Committee will arrange to take charge of exhibits. BUT NO EXHIBITS WILL BE RECEIVED AFTER THE 5TH OCTOBER 1909.

13. *Belated exhibits.*—Articles that are not delivered at the Exhibition Hall in the time fixed may be admitted at the discretion of the Committee subsequent to the dates mentioned in paragraph 12, but shall not be entitled to compete for prizes.

14. *Perishable articles.*—Vegetables, fruits, and other perishable articles may, however, be delivered at the Exhibition Hall till 7 P.M., on the 24th October 1909.

15. *Admission of exhibits.*—No exhibits will be admitted without a pass signed by the Secretary or members of the Committee on duty at the Exhibition grounds.

16. *Responsibility of exhibitors.*—Exhibitors will have to pay every expense of transit, delivery, fixing and removing their exhibits and they must either personally or by their agents or servants superintend their reception and removal, in default of which, the

Committee reserve to themselves the right of doing whatever may be considered necessary at the expense of the exhibitor.

17. *Committee accept no responsibility.*—No responsibility will be accepted by the Committee as to any damage or loss howsoever occurring.

18. *Special facilities.*—Exhibitors are requested to mention in their applications whether they wish to illustrate practically any processes of manufacture or the working of any implement or machinery and, if so, to state briefly the nature of the demonstration and any special facilities they require.

19. *Special arrangement to be made at the exhibitors' expense.*—If the exhibitors require any special arrangements to be made (or have to mount their machinery) they must carry them out at their own expense, but the Committee will be glad to give such aid as may be possible in the shape of getting skilled or unskilled manual labour at the exhibitors' expense. The expenses of demonstrating machinery and implements should be borne by the exhibitor except where special arrangements have been made with the Committee.

20. *Valuable exhibits.*—All valuable exhibits must be forwarded under the charge of an attendant.

21. *Exhibits unaccompanied by men in charge.*—Exhibitors who are unable to attend personally or send their agents in charge of exhibits may make special arrangements with the Committee for the exhibition of their goods on payment in advance in full of the estimated expense.

22. *Weighing of exhibits.*—The Committee entrust the work of receiving the exhibits to responsible officials. But as the goods are landed near the Exhibition grounds by special arrangements, it is not possible to weigh every consignment before taking delivery of it. So exhibitors are requested to take every possible precaution in packing their exhibits and to send to the Committee in time an accurate list of exhibits sent by them. Exhibitors who wish that their consignments should be weighed at the Railway Station before delivery, should intimate their wish to the Secretary in time and remit in advance a special fee of Re. 1 on each consignment to be thus weighed,

23. *Acknowledgment of exhibits.*—Receipt of exhibits will be acknowledged by return of the duplicate list mentioned in paragraph 10 to the exhibitor duly signed by the Secretary. No other kind of receipt will be sent. Any differences between the list and the articles actually received will be noted in the duplicate list.

24. *Free pass to exhibitors.*—In cases in which the owners themselves are in charge of exhibits, the necessary free pass will be given.

25. *Free admission to* bonâ fide *raiyats and artizans.*—Raiyats and artizans unable to pay fees, belonging to the Mysore State or from outside, who produce certificates of identification signed by their respective Taluk Officers in Form B appended to this prospectus, will be admitted free.

26. *Space for exhibits on sale.*—Accommodation will be found within the Exhibition grounds, as far as possible, for articles intended for sale. But those who wish to send articles on a large scale would do well to have temporary booths put up at their own cost in the Exhibition grounds by previous arrangements with the Committee.

27. *Articles on sale.*—Articles on sale or those sold should in every case have cards attached to them notifying the same.

28. *Removal of exhibits.*—All exhibits must be removed within a week after the close of the Exhibition. Exhibits remaining after that time will be disposed of as the Committee deem fit. Perishable articles will be allowed to be removed at the option of the owner or purchasers within 24 hours after the opening of the Exhibition.

29. *Exhibits on loan.*—Works of art and articles of special merit including those of antiquarian interest will be thankfully received. Gentlemen willing to lend them are requested to place themselves in communication with the Secretary or any of the members of the Committee who will inform them of the acceptance of the offer and will make necessary arrangements in connection with the exhibition of articles.

30. *Exhibits belonging to departments of Government.*—Articles or cattle exhibited by any department of Government will not be eligible for money prizes or medals, but may be awarded certificates of merit. This rule does not preclude Government servants or pupils of Industrial Schools from competing for prizes if the exhibits are manufactured by themselves.

31. *Admission of live-stock.*—All cattle and sheep brought for this show will be located in a convenient place before the first selection and only such of the animals as are selected will be permitted to be picketed in the sheds provided at the show-yard according to breed, age and size, etc.

32. *Accommodation for cattle.*—Accommodation will be provided free of cost for about 150 head of cattle.

33. *Grant for fodder.*—A sum of 4 annas will be given for each head of cattle selected, per day, for the four days from 25th to 28th, both days inclusive.

34. *Admission to the show grounds.*—Only pass or ticket-holders will be allowed to the show grounds, while the cattle are judged.

35. *Practical test.*—Working cattle may, at the owners' option, be subjected to a practical test as to their powers of draught. They must be the *bonâ fide* property of the exhibitor.

Single bullocks will also be tested both for riding and draught purposes at the owners option.

36. *Care-taker.*—Each animal or lot competing separately must be in charge of a care-taker who will remain in charge of the exhibit and must be ready to lead it out at any time as required by the Committee.

37. *Distribution of awards.*—Prizes and medals will be distributed at the close of the Exhibition. This year it is proposed to hold a distribution of prizes in the Exhibition grounds on or about the 30th October 1909.

38. *Number of Judges.*—The Judges in each class or group will not be less than three, but no prizes will be awarded unless in the opinion of the Judges the exhibits merit the reward. Judges cannot compete for prizes in classes or sections in which they are Judges.

39. *Photograph of articles exhibited.*—No article exhibited may be copied, photographed drawn or reproduced in any manner without the special permission of the exhibitor and the Committee. General photographs of the stalls may, however, be taken with the permission of the Committee.

40. *Committee's decision final.*—The Committee have full power to make rules for the conduct of the Exhibition under these Regulations and their decision is final in all cases.

41. *Acceptance of rules.*—All persons who become exhibitors shall be held to signify their assent to and acceptance of the foregoing rules and regulations and also of such other rules as the Committee may hereafter issue, not inconsistent with these regulations.

42 *Communications re the Exhibition.*—All communications regarding the Exhibition should be addressed to the Secretary to the Mysore Dasara Industrial and Agricultural Exhibition Committee, Mysore.

MYSORE,
*The 28th April 1909.*

G. SUBBUSWAMI IYER,
*Secretary.*

# THE MYSORE DASARA INDUSTRIAL AND AGRICULTURAL EXHIBITION, 1909.

## CLASSIFIED LIST OF EXHIBITS AND PRIZES.

### A. Agricultural Section.

| No. | Description. | Money prizes. 1st. | 2nd | 3rd. | Extra prizes. | Medals. Gold. | Silver. | Bronze. |
|---|---|---|---|---|---|---|---|---|
| | CLASS I.—FIELD PRODUCE. | | | | | | | |
| | Group I.—*Cereals or grains*— | | | | | | | |
| 1 | 3 months' paddy, 2 seers with stamples of rice. | 4 | 2 | ... | ... | ... | ... | ... |
| 2 | 4 do. do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 3 | 5 do. do. ... | 4 | 2 | ... | 20 | ... | ... | ... |
| 4 | 6 do. do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 5 | 7 do. do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 6 | 8 do. do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 7 | Collection of different varieties of paddy, 2 seers each kind. | 5 | 3 | ... | ... | ... | ... | ... |
| 8 | Field ragi (red), 2 seers ... | 4 | 2 | ... | ... | ... | ... | ... |
| 9 | Do. (white), do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 10 | Garden ragi (red), 2 do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 11 | Do. (white), 2 do. ... | 4 | 2 | ... | ... | ... | ... | ... |
| 12 | Collection of difft. kinds of ragi, 2 seers. | 5 | 3 | ... | ... | ... | ... | ... |
| 13 | Haraka do. ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 14 | Great millet (bili jola), 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 15 | Do. (kempujola) 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 16 | Collection of difft. kinds of jola, 2 seers. | 4 | 2 | ... | ... | ... | ... | ... |
| 17 | Italian millet (navane), 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 18 | Little millet (same), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 19 | Indian-corn or maize (muskin-jola), 2 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 20 | Spiked millet (sajje) do. ... | 3 | 2 | ... | ... | ... | ... | ... |
| 21 | Panicum milliaceum (baragu), 2 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 22 | Wheat, 2 seers ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 23 | Collection of grains most suitable for growing in dry seasons, 2 seers. | 5 | 3 | ... | ... | ... | ... | ... |
| | Group II.—*Pulses*— | | | | | | | |
| 1 | Dhal (togari), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Horse gram (hurali), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 3 | Bengal gram (kadale), 2 seers ... | 3 | 2 | ... | 12 | ... | ... | ... |
| 4 | Black gram (ooddu), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 5 | Green gram (hesaru), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 6 | Lentil (karamani), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Peas (batani), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 8 | Beans (avare), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 9 | Other edible pulses, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| | Group III.—*Oil and oil-seeds*— | | | | | | | |
| 1 | Gingelly oil-seed (achellu), 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 3 | Ramtil (hutchellu), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 4 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 5 | Castor oil-seeds (haralu), 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 6 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Pongamea seeds (honge), 2 seers | 3 | 2 | ... | ... | ... | ... | ... |

## A. Agricultural Section—*contd*

| No. | Description. | Money prizes. | | | Extra prizes | Medals. | | |
|---|---|---|---|---|---|---|---|---|
| | | 1st. | 2nd. | 3rd. | | Gold. | Silver. | Bronze. |
| 8 | Pongamea oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 9 | Bassia seeds (ippe), 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 10 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 11 | Ground-nuts (kadalekayi), 2 seers. | 3 | 2 | ... | ... | .. | ... | ... |
| 12 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 13 | Safflower seeds (kasumba), 2 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 14 | Do. oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 15 | Dry cocoanut, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 16 | Cocoanut oil, 25 tolas ... | 3 | 2 | ... | ... | ... | ... | ... |
| 17 | Mustard oil, do. ... | 3 | 2 | ... | ... | ... | ... | ... |
| 18 | Best collection of ground-nuts, 2 seers. | 5 | 3 | ... | ... | ... | ... | ... |
| 19 | Do. other oilseeds, 2 seers | 4 | 2 | ... | ... | ... | ... | ... |
| 20 | Do. other oils, 1 seer ... | 4 | 2 | ... | ... | ... | ... | ... |
| | Group IV.—*Sugar-cane*— | | | | | | | |
| 1 | Sugar-cane, any variety, 20 canes. | 4 | 3 | ... | ... | ... | .. | ... |
| 2 | Collection of varieties of sugar-cane, 6 canes of each kind, indigenous and non indigenous. | ... | 3 | ... | ... | ... | ... | 1 |
| | CLASS II.—PLANTATION AND GARDEN PRODUCTS. | | | | | | | |
| | Group I.—*General*— | | | | | | | |
| 1 | Rubber, collection of samples, half lb. each in sheets or biscuits. | ... | ... | ... | ... | 1 | 1 | ... |
| 2 | Tobacco, raw, 2 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 3 | Do., cured, 2 seers ... | .. | 3 | ... | ... | ... | 1 | 1 |
| 4 | Arecanuts, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 5 | Betel-leaves, 500 ... | 3 | 2 | ... | ... | ... | ... | ... |
| 6 | Cocoanuts, a bunch and six striped fruits. | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Ginger, green, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 8 | Arrowroot tubers, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 9 | Tapioca ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 10 | Tamarind ... | 3 | 2 | ... | ... | ... | ... | ... |
| 11 | Turmeric ... | 3 | 2 | ... | ... | ... | .. | ... |
| 12 | Pepper ... ... | 2 | 1 | ... | ... | ... | ... | ... |
| 13 | Mustard seeds ... | 2 | 1 | ... | ... | ... | ... | ... |
| 14 | Coriander ... | 2 | 1 | ... | ... | ... | ... | ... |
| 15 | Chillies ... ... | 2 | 1 | ... | ... | ... | ... | ... |
| 16 | Other ordinary spices ... | 3 | 2 | ... | ... | ... | ... | ... |
| 17 | Best collection of coffee, 2 seers | ... | ... | ... | ... | ... | 1 | 1 |
| 18 | Do. cardamoms, 2 seers | ... | ... | ... | .. | ... | 1 | 1 |
| 19 | Tea, 2 lbs. of each kind ... | ... | ... | ... | ... | ... | 1 | 1 |
| | Group II.—*Vegetables and fruits*— | | | | | | | |
| 1 | General collection of indigenous vegetables including potatoes. | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Do. non-indigenous ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Do. indigenous fruits | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Do. non-indigenous ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Collection of flowers ... | 4 | 3 | ... | ... | ... | ... | ... |
| 6 | Do. garlands ... | 4 | 3 | ... | ... | ... | ... | ... |

## A. Agricultural Section—*contd.*

| No. | Description. | Money prizes. | | | Extra prizes. | Medals. | | |
|---|---|---|---|---|---|---|---|---|
| | | 1st. | 2nd. | 3rd. | | Gold. | Silver. | Bronze. |
| | **CLASS III.—DYES.** | | | | | | | |
| 1 | Collection of vegetable dyes ... | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Best variety of cotton yarn dyed with vegetable dye-stuff with explanatory notes as to the processes adopted in dyeing and the samples of dye-stuffs used. | 4 | ... | ... | ... | ... | ... | 1 |
| 3 | Best variety of woollen yarn dyed with vegetable dye-stuff with explanatory notes as to the processes adopted in dyeing and the samples of dye-stuffs used. | 4 | ... | ... | ... | ... | ... | 1 |
| | **CLASS IV.—FOREST PRODUCTS.** | | | | | | | |
| 1 | Soap-nuts (hugoti) and seegekayi, 2 seers each. | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Gall-nuts, 2 seers ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 3 | Marking-nuts, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 4 | Lac, crude, 2 seers ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 5 | Lac, prepared and coloured ... | 4 | 2 | ... | ... | ... | ... | ... |
| 6 | Lac, shell, 1 seer ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Collection of gums and resins, 2 seers. | ... | 3 | ... | ... | ... | ... | 1 |
| 8 | Collection of tanning materials, 2 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 9 | Medicinal plants, roots, leaves and flowers, ½ seer each with their properties and uses. | 3 | 2 | ... | ... | ... | ... | 1 |
| 10 | Collection of timbers and ornamental woods. | ... | ... | ... | ... | ... | 1 | 1 |
| 11 | Collection of nuts, beads, reeds, and grasses useful for industrial purposes with samples of work. | ... | [illegible] | ... | ... | ... | ... | 1 |
| | **CLASS V—SUGAR, HONEY, BEES-WAX, etc.** | | | | | | | |
| 1 | Sugar-cane jaggery in cakes or blocks, 10 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Sugar-cane jaggery in balls or lumps, 10 seers. | 3 | 2 | ... | ... | ... | ... | ... |
| 3 | Genuine, native refined sugar (not factory-refined or reboiled), 10 seers. | 4 | 2 | ... | ... | ... | ... | ... |
| 4 | Factory-refined sugar with samples of massucuite and molasses, 3 lbs. | 4 | 2 | [illegible] | ... | ... | ... | ... |
| 5 | Sugar, raw, centrifugalled cane sugar, 3 lbs. each. | 3 | 2 | ... | ... | ... | ... | ... |
| 6 | Brown sugar, indigenous, 3 seers | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Collection of jaggery made from plants other than sugar-cane, 10 seers each. | 5 | 3 | ... | ... | ... | ... | ... |
| 8 | Honey in combs, 2 combs ... | 3 | 2 | ... | ... | ... | ... | ... |
| 9 | Do., run, 2 seers ... | 3 | 2 | ... | ... | ... | ... | ... |
| 10 | Bees-wax, unbleached ... | 3 | 2 | ... | ... | ... | ... | ... |
| 11 | Do., bleached ... | 3 | 2 | ... | ... | ... | ... | ... |
| 12 | For the best exhibit of sugar or sugar-candy manufactured in India directly from the sugar-cane (not refined sugar). | ... | ... | ... | ... | ... | 1 | 1 |

## A. Agricultural Section—*concld.*

| No. | Description. | Money prizes. | | | Extra prizes. | Medals. | | |
|---|---|---|---|---|---|---|---|---|
| | | 1st. | 2nd. | 3rd. | | Gold. | Silver. | Bronze. |
| 13 | Syrups ... ... ... | ... | 3 | ... | .. | ... | ... | 1 |
| 14 | Preserved fruits ... ... | ... | 3 | ... | ... | .. | ... | 1 |
| 15 | Pickles ... ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| | **CLASS VI.—FIBRES.** | | | | | | | |
| 1 | Cotton (herbaceous) properly named, unginned, if possible some still in balls, 2 seers. | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Cotton tree (herbaceous) properly named, unginned, if possible some still in balls, 2 seers. | 5 | 3 | ... | ... | ... | ... | ... |
| 3 | Collection of cotton not less than six varieties | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Wool, properly named, 2 seers ... | 5 | 3 | ... | ... | ... | ... | ... |
| 5 | Silk cocoons ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 6 | Silk reeled (stating kind of reel used), 1 seer. | 5 | 3 | ... | ... | ... | ... | ... |
| 7 | Collection of wild cocoons with silk reeled, 2 seers each. | 5 | 3 | ... | ... | ... | ... | ... |
| 8 | Cocoanut fibre with sample of yarn, rope or mat, 2 seers. | 5 | 3 | | ... | ... | ... | ... |
| 9 | Aloe fibre with leaf, yarn, rope or mat. | 5 | 3 | ... | ... | ... | 1 | ... |
| 10 | Rhea fibre with yarn and cloth, 2 seers. | 5 | 3 | ... | ... | ... | ... | ... |
| 11 | Sun-hemp (Sanabugida) ... | 5 | 3 | ... | ... | ... | ... | ... |
| 12 | Hibiscus cannabinus (holadapundrike). | 5 | 3 | ... | ... | ... | ... | ... |
| 13 | Mudder (ekka) ... | 5 | 3 | ... | ... | ... | ... | ... |
| 14 | Plantain fibre with plant and yarn | 5 | 3 | ... | ... | ... | ... | ... |
| 15 | Pine-apple fibre ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 16 | Collection of other fibres, 2 seers each. | 5 | 3 | ... | ... | ... | ... | ... |
| | **CLASS VII.—FODDER PLANTS.** | | | | | | | |
| 1 | Best sample of hay, [illegible] maund ... | 5 | 3 | ... | ... | ... | ... | ... |
| 2 | Collection of grasses properly named either in English or in Vernacular, [illegible] | 5 | 3 | ... | ... | ... | ... | ... |
| 3 | Collection of other fodder [illegible] ... | 5 | 3 | ... | ... | ... | ... | ... |
| | **CLASS VIII.—MANURES.** | | | | | | | |
| 1 | Collection of oil-cakes and other fertilizers of vegetable origin. | 4 | 2 | ... | ... | ... | ... | ... |
| 2 | Collection of fertilizers of animal origin. | 4 | 2 | ... | ... | ... | ... | ... |
| 3 | Mineral and chemical fertilizers analysed and described. | ... | ... | ... | ... | ... | 1 | ... |
| 4 | Best collection of fertilizers with full description. | ... | ... | ... | ... | ... | 1 | 1 |

## B. Machinery Section.

| No. | Description. | Money Prizes. 1st. | 2nd. | 3rd. | Extra prizes. | Medals. Gold. | Silver. | Bronze. |
|---|---|---|---|---|---|---|---|---|
| | **Section B.—Machines and Implements.** | | | | | | | |
| | CLASS I.—AGRICULTURAL MACHINES AND IMPLEMENTS. | | | | | | | |
| | Group I.—*Machines*— | | | | | | | |
| 1 | Water-lifts worked by manual labour or animal power and machinery. | ... | ... | ... | ... | 1 | 2 | 1 |
| 2 | Power Engines ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | General agricultural machinery | ... | ... | ... | ... | 1 | 3 | 2 |
| 4 | Oil manufacturing do. ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Sugar do. ... | ... | ... | ... | ... | ... | 2 | 1 |
| 6 | Tearing do. ... | ... | ... | ... | ... | ... | 2 | 1 |
| | Group II.—*Implemennts* — | | | | | | | |
| 1 | Ploughs with iron or steel mould boards. | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Harrows and Cultivators ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Seed drills with adjustable mechanical seed distributes. | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Implements of Indian pattern showing a decided improvement on those in general use. | ... | ... | ... | ... | ... | 1 | 1 |
| | Group III.—*Horticultural Implements*— | | | | | | | |
| 1 | Implements, imported ... | .. | 4 | ... | [illegible] | ... | ... | 1 |
| 2 | Do., local manufacture. | 5 | 3 | .. | ... | ... | ... | ... |
| | CLASS II.—INDUSTRIAL MACHINES AND IMPLEMENTS. | | | | | | | |
| | Group I —*Textile Machines*— | | | | | | | |
| 1 | Any Machine or Implement likely to materially improve existing local Industries. | ... | ... | ... | ... | 1 | 1 | ... |
| 2 | Do. develop a desirable new industry. | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | The best exhibit of any set of tradesmen's tools. | ... | 3 | ... | ... | ... | ... | 1 |
| | Group II.—*General Machines and tools*— | | | | | | | |
| 1 | Sizing and warping machines ... | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Improved silk reeling „ ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Fibre extracting machines for ordinary hand power. | ... | ... | ... | ... | ... | 1 | 1 |

## C. Industrial Section.

| No. | Description. | Money Prizes. 1st. | 2nd. | 3rd. | Extra prizes. | Medals. Gold. | Silver. | Bronze. |
|---|---|---|---|---|---|---|---|---|
| | **C. Industrial Section.** | | | | | | | |
| | CLASS I.—TEXTILE FABRICS. | | | | | | | |
| | Group I.—*Cotton*— | | | | | | | |
| 1 | Sadies ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 2 | Khanams ... ... | 3 | 2 | ... | ... | .. | ... | ... |
| 3 | Pancheys or Dhoties ... | 5 | 3 | ... | ... | ... | ... | |
| 4 | Towels ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 5 | Turbans ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 6 | Handkerchiefs ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 7 | Checks ... ... | ... | 2 | ... | ... | ... | 1 | 1 |
| 8 | Muslins ... ... | ... | 4 | ... | ... | ... | ... | 1 |
| 9 | Shirting cloths ... ... | ... | 4 | ... | ... | ... | ... | 1 |
| 10 | Sashes ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| 11 | Carpets ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 12 | Socks and stockings ... | 3 | 2 | ... | ... | ... | ... | ... |
| | Group II.—*Silk*— | | | | | | | |
| 1 | Sadies ... ... | .. | ... | ... | ... | ... | 1 | 1 |
| 2 | Khanams ... ... | 5 | 3 | ... | ... | .. | ... | ... |
| 3 | Magutams ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 4 | Petas or turbans ... ... | .. | ... | ... | ... | ... | 1 | 1 |
| 5 | Muslins ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 6 | Sashes ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 7 | Coatings ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 8 | Pugries ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 9 | Handkerchiefs ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| | Group III.—*Woollen goods*— | | | | | | | |
| 1 | Carpets ... ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | Kamblies, fine ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | " coarse ... ... | ... | 2 | ... | ... | ... | ... | 1 |
| 4 | Socks and stockings ... | 4 | 2 | ... | ... | ... | ... | ... |
| 5 | Caps ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 6 | Shawls ... .. | ... | ... | ... | ... | ... | 1 | 1 |
| 7 | Coatings ... ... | ... | 2 | ... | ... | ... | ... | 1 |
| | Group IV.—*Mixed goods*— | | | | | | | |
| 1 | Sadies ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Puncheys or Dhoties ... | 5 | 3 | ... | ... | ... | ... | ... |
| 3 | Handkerchiefs ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 4 | Coating cloths ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 5 | Towels ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 6 | Turbans ... ... | ... | .. | ... | ... | ... | 1 | 1 |
| 7 | Sashes ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 8 | Caps ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 9 | General collection of hand-made goods of not less than 5 varieties in each. | ... | ... | ... | ... | ... | 1 | ... |
| 10 | Do. mill-made goods | ... | ... | ... | ... | ... | 1 | 1 |

## C. Industrial Section—*contd.*

| No. | Description. | Money prizes. 1st. | Money prizes. 2nd. | Money prizes. 3rd. | Extra prizes. | Medals. Gold. | Medals. Silver. | Medals. Bronze. |
|---|---|---|---|---|---|---|---|---|
| | CLASS II.—EMBROIDERY AND LACE WORK. | | | | | | | |
| | Group I.—*Indian needle-work.*— | | | | | | | |
| | (*a*) Plain needle-work— | | | | | | | |
| 1 | Articles of (Indian) dress... | 4 | 3 | ... | ... | | | |
| 2 | House linen ... | 4 | 3 | ... | ... | | | |
| | (*b*) Embroidery— | | | | | | | |
| 1 | Gold and silver ... | 4 | 3 | ... | ... | ... | ... | 1 |
| 2 | Silk ... | 4 | 3 | ... | ... | | | |
| 3 | Mixed (gold, silver, etc.) ... | 4 | 3 | ... | ... | | | |
| 4 | Cotton, on linen lace or muslin. | 4 | 3 | ... | ... | | | |
| | Group II.—*Western needle-work, suitable for home Industries.*— | | | | | | | |
| 1 | Drawn thread work on linen, canvas or lawn. | 3 | 2 | ... | ... | | | |
| 2 | Pillow, lace ... | 4 | 3 | ... | ... | ... | ... | 1 |
| 3 | Crochet, lace (cotton) ... | 3 | 2 | ... | ... | | | |
| 4 | Do. (wool) ... | 3 | 2 | ... | ... | | | |
| 5 | Knitted socks, stockings and jerseys (silk or wool). | 3 | 2 | ... | .. | | | |
| | Group III.—*Knitted goods*— | | | | | | | |
| 1 | Machine ... ... | 3 | 2 | ... | ... | ... | ... | ... |
| | CLASS III.—METAL WORK. | | | | | | | |
| | Group I.—*Iron and steel*— | | | | | | | |
| 1 | Cutlery including axes Indian make. | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Curkutties and knives ... | ... | 3 | ... | ... | ... | ... | 1 |
| 3 | Locks, bolts, etc.... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Safes ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Railings ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 6 | Springs and carriage accessories | ... | 3 | ... | ... | ... | ... | 1 |
| 7 | Musical wire ... ... | .. | ... | ... | ... | ... | 1 | 1 |
| 8 | Trunks ... ... | ... | ... | ... | ... | ... | 1 | [illegible] |
| | Group II.—*Brass, copper and alloys*— | | | | | | | |
| 1 | Collection of household utensils | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Do. do., copper ... | ... | 3 | ... | ... | ... | ... | 1 |
| 3 | Do. do., bell-metal | ... | 3 | ... | ... | ... | ... | 1 |
| 4 | Ornamental trays ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Figures of good workmanship | ... | ... | ... | ... | ... | 1 | 1 |
| 6 | Candle-stands and lamps ... | ... | ... | ... | ... | ... | 1 | 1 |
| | Group III.—*Aluminium*— | | | | | | | |
| 1 | Collection of household utensils | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Trays ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 3 | Lamps ... ... | 4 | 2 | ... | ... | ... | ... | ... |

C. Industrial Section—*contd.*

| No. | Description. | Money prizes. 1st. | 2nd. | 3rd. | Extra prizes. | Medals. Gold. | Silver. | Bronze. |
|---|---|---|---|---|---|---|---|---|
| | Group IV.—*Silver*— | | | | | | | |
| 1 | Silver vessels, ordinary ... | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Do. ornamental ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Silver trays, do. ... | ... | ... | ... | ... | ... | 1 | ... |
| 4 | Figures of good workmanship. | ... | ... | ... | ... | ... | 1 | ... |
| | CLASS IV.—STONEWORK. | | | | | | | |
| | Group I.—*Plain*— | | | | | | | |
| 1 | Pot-stone vessels ... | 3 | 2 | ... | ... | ... | ... | ... |
| 2 | Do. ornamental ... | 4 | 2 | ... | ... | ... | ... | 1 |
| 3 | Figures of good workmanship | ... | 2 | ... | ... | ... | ... | ... |
| | Group II.—*Carved*— | | | | | | | |
| 1 | Alabaster carvings ... | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | Black stone „ ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Marble „ ... | ... | ... | ... | ... | 1 | 1 | 1 |
| | Group III.—*Inlaid stonework*— | | | | | | | |
| 1 | Figures ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| | CLASS V.—CLAY WORK. | | | | | | | |
| | Group I.—*Plain work*— | | | | | | | |
| 1 | Pottery ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 2 | Bricks ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 3 | Tiles ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 4 | Parapet wall pieces ... | 4 | 2 | ... | ... | ... | ... | ... |
| 5 | Paper-weights ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 6 | Flower-pots ... ... | ... | 2 | ... | ... | ... | ... | 1 |
| 7 | Vessels ... ... | ... | 2 | ... | ... | ... | ... | 1 |
| 8 | Ink-jars ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 9 | Pickle-jars ... ... | 4 | 2 | ... | ... | ... | ... | ... |
| 10 | Collection of pottery work ... | ... | ... | ... | ... | ... | 2 | ... |
| | Group II.—*Ornamental pottery*— | | | | | | | |
| 1 | Vases ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Figures idols ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 3 | Statues ... ... | ... | ... | ... | ... | ... | ... | 1 |
| 4 | Terracotta ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| | CLASS VI.—WOODWORK. | | | | | | | |
| | Group I.—*Plain*— | | | | | | | |
| 1 | Furniture ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 2 | Lacquer work ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 3 | Toys ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Imitation fruits ... ... | .. | ... | ... | ... | ... | 1 | 1 |

C. Industrial Section—*concld.*

| No. | Description. | Money prizes. | | | Extra prizes. | Medals. | | |
|---|---|---|---|---|---|---|---|---|
| | | 1st. | 2nd. | 3rd. | | Gold. | Silver. | Bronze. |
| | Group II.—*Ornamental work*— | | | | | | | |
| 1 | Art furniture ... ... | ... | ... | ... | ... | 2 | 1 | 1 |
| 2 | Carvings in sandalwood ... | ... | ... | ... | ... | ... | 1 | ... |
| 3 | Carving in other woods ... | ... | ... | ... | ... | ... | 1 | ... |
| 4 | Fret work ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Inlaid work ... ... | ... | ... | ... | ... | ... | 1 | ... |
| | CLASS VII.—OTHER MATERIALS. | | | | | | | |
| 1 | Ivory work ... ... | ... | ... | ... | ... | 1 | 1 | ... |
| 2 | Horn and shell work ... | ... | ... | ... | ... | .. | 1 | 1 |
| 3 | Ordinary leather goods ... | ... | ... | ... | ... | ... | 1 | 1 |
| 4 | Chrome do. ... | ... | ... | ... | ... | ... | 1 | 1 |
| 5 | Cane work (plain) ... | ... | 3 | ... | ... | ... | ... | 1 |
| 6 | Do. ornamental ... | ... | ... | ... | ... | ... | 1 | 1 |
| 7 | Grass matting (fine) ... | ... | ... | ... | ... | ... | 1 | 1 |
| 8 | Do., coarse ... | ... | 3 | ... | ... | ... | ... | 1 |
| 9 | Other articles in grass ... | ... | 3 | ... | ... | ... | ... | 1 |
| 10 | Soaps ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 11 | Candles ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 12 | Inks ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 13 | Matches ... ... | 5 | 3 | ... | ... | ... | ... | ... |
| 14 | Scents (foreign) ... ... | ... | 3 | ... | ... | ... | ... | 1 |
| 15 | „ indigenous ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 16 | Essential oils ... ... | ... | ... | ... | ... | ... | 1 | 1 |
| 17 | Other materials ... ... | ... | ... | ... | ... | ... | 2 | 1 |
| | SECTION D.—LIVE-STOCK. | | | | | | | |
| | Lump sum ... ... | 500 | ... | ... | ... | ... | ... | ... |
| | SECTION E.—MISCELLANEOUS. | | | | | | | |
| 1 | Weaving competition ... | 180 | ... | ... | ... | ... | ... | ... |
| 2 | Ploughing do. ... | 50 | ... | ... | ... | ... | ... | ... |
| 3 | Potters' do. ... | 30 | ... | ... | ... | ... | ... | ... |
| 4 | Sports ... ... | *150 | ... | ... | ... | ... | ... | ... |

* This will be held on a day to be fixed later on.

# ENTRY FORM.

*Date* _____ *19* .

To

THE SECRETARY,

*Mysore Dasara Industrial and*

*Agricultural Exhibition,*

*Mysore.*

SIR,

I WISH to exhibit the articles as per particulars given in the enclosed form at the Mysore Dasara Industrial and Agricultural Exhibition to be held at Mysore in October 1909.

I consent to abide by the rules and regulations of the Exhibition Committee; and on being informed that my name has been enrolled as an Exhibitor, I shall be glad to furnish any further information required.

I beg to remain,

SIR,

Yours faithfully,

Signature of the intending Exhibitor ... } _____

*Address in full* { Town _____
Taluk _____
District _____

# ENTRY FORM.

N.B.—Please use a separate form for each section.

*The Mysore Dasara Industrial and Agricultural Exhibition, 1909.*

SECTION _____

| Name of the article. | Description of the article. | Class. | Group. | Number. | Name of Manufacturer or Exhibitor. | Place of manufacture (District, Taluk and Town). | Price of the article. | | | Whether it may or may not be sold at the Exhibition. | REMARKS. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | | 4 | 5 | 6 | | | 7 | 8 |
| | | | | | | | Rs. | A. | P. | | |

I guarantee that the particulars given above are, to the best of my knowledge and belief, correct and accurate.

*Signature of the Exhibitor.*

P. T. O.

Please give below details if the following are required :—

(1) Special arrangements for space, covered or open.

(2) Any special labour, manual or animal.

---

FORM B.

*Name of Taluk* _____

*Date* _____

*This is to certify that* _____ *is a bona fide* *raiyat* *and as he is unable to pay fees and is likely to be benefited by seeing the Mysore Exhibition of 1909, he may be admitted free.*

*Amildar / Tahsildar* *Officer in charge of Taluk.*

*Seal of the officer if he has one.*

## WEATHER AND CROP REPORT.

*For the week ending the 13th September 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·54 | 9¼ | 9¼ | Weather hot. Floods completely subsided. 25 per cent. damage of crops reported from Katwa. *Aman* paddy benefited by cessation of rain. Harvesting of jute and *aus* paddy continuing. No cattle-disease. Stocks of food-grains sufficient. Dearth of fodder reported from places owing to floods. |
| 2 | BIRBHUM ... | 0·21 | [illegible] | 9 | Rainfall at Rampurhat 0·75 inch. Paddy crops thriving. No apprehension of scarcity. No cattle-disease. Fodder and water sufficient. |
| 3 | BANKURA ... | 2·01 | 9¾ | 9¼ | Rainfall at Vishnupur 1·01 inches. Weather seasonable. *Aus* paddy ripening in places. Prospects of winter rice good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | 1·75 | 9 | 9 | Rainfall at Contai 0·19, at Tamluk 0·24 and at Ghatal 3·14 inches. Sowings of early cotton and transplantation of winter rice nearly finished. Prospects of autumn rice, jute, maize and winter rice fair except in the Ghatal subdivision in the case of the last-named crop. Cattle-disease in thanas Midnapore and Keshiari. Fodder and water sufficient. Common rice selling at 12½ seers per rupee at Contai, at 8½ seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·53 | 8 | 9 | Floods at Arambagh subsided. Prices of food-grains almost stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Steeping of jute and weeding of winter rice continuing. Winter paddy plants on low lands damaged by excessive rainfall in thanas Singur and Tarakeshwar. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 0·33 | 8½ | 8½ | Floods in the Ulubaria subdivision subsiding. In extens[illegible] Rupnarain and Damodar ri[illegible] damage both to *aus* and winter rice report[illegible] The Sadar subdivision and Shampore and Mondalghat thanas not affected. Prospects continuing good in these tracts. Harvesting of *aus* paddy and jute proceeding. Sugarcane doing fairly well. Vegetable crops slightly affected by floods in the Ulubaria subdivision. No scarcity apprehended there or relief necessary. Stocks of food-grains, fodder and water sufficient. |
| 7 | 24-PARGANAS | 1·33 | 9 | 9 | Weather seasonable. Harvesting of jute and *aus* paddy progressing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9½ seers at Basirhat, at 10 seers at Diamond Harbour and at 8½ seers at Barrackpore. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 2·03 | 8⅜ | 8⅜ | Rainfall at Meherpur *nil*, at Kushtia 0·28, at Ranaghat 0·78 and at Chuadanga 2·02 inches. Prospects of standing crops good. Harvesting of *aus* paddy continuing. Lands being cultivated for *rabi* crops in the Meherpur subdivision. Weather favourable for jute. Condition of the crop fair. Harvesting and steeping continuing. Outturn estimated at 77 per cent. Prices of staple food-grains stationary. Stocks of food-grains sufficient. Cattle-disease reported from thanas Haringhata, Damurhuda and Karimpore. Fodder and water sufficient. |
| 9 | MURSHIDABAD | 2·25 | 8½ | 8½ | Weather hot and cloudy. Harvesting of *bhadoi* paddy still continuing everywhere. Condition of sugarcane and mulberry satisfactory. Transplantation of *aman* paddy going on. Paddy and jute partly damaged by high floods in the Kandi subdivision. Condition of jute in other places good. Weather normal. Harvesting going on everywhere. Steeping and extracting commenced at the Sadar and Jangipur subdivisions. Prospects better. Fodder and water sufficient. Agricultural stock in good condition. Cattle-pox reported from thana Gokarna in the Kandi subdivision. |
| 10 | JESSORE ... | 0·17 | 10 5/16 | 10 | Weather seasonable. Rainfall not general. Harvesting of *aus* paddy and jute going on. Jute being steeped in some places. Condition favourable. Stocks of food-grains and fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 11 | KHULNA ... | 0·82 | 10 | 10 | Rainfall at Bagerhat *nil*, and at Satkhira 1·53 inches. Weather seasonable. Prices stationary. Stocks of food-grains sufficient till the next harvest Transplantation of winter rice continuing. Prospects of standing crops fair. *Aus* paddy and jute suffered to some extent. Cattle-disease in some places in thana Kaliganj. Fodder and water sufficient. |
| 12 | PATNA ... | 0·44 | 9<br>1*[illegible] | 9<br>17* | Weather warm and sometimes cloudy. *Bhadoi* crops being harvested. Transplantation of paddy still in progress. Condition of standing crops good. Sugarcane doing well. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Maner, Nawbatpur and Asthawan. |
| 13 | GAYA ... | Nil | 10 5/16<br>15 3/8* | 10 5/16†<br>14 7/8* | Weather seasonable. Standing crops promising well. Transplantation of paddy finished. Ploughing of fields for *rabi* crops begun. Prices falling. Fodder and water for cattle ample. Cattle-disease reported from three villages. |
| 14 | SHAHABAD ... | 0·59 | 10¼†<br>16* | 10†<br>13* | Rainfall at Bhabhua 0·40 inch. Report from Buxar not received. Sugarcane and paddy crops doing well. Harvesting of *bhadoi* crops going on. Rain wanted at Bhabhua for paddy. Prices of food-grains stationary. Stocks of food-grains fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 0·08 | 9½<br>22* | 10<br>19* | Weather hot. Harvesting of *bhadoi* crops going on. Paddy and sugarcane doing well. Rain wanted for upland paddy. Price of maize considerably fallen. Cattle-disease sporadic. Fodder and water sufficient. Condition of agricultural stock fair. |
| 16 | CHAMPARAN ... | 0·49 | 11½†<br>19* | 9¾<br>15½* | Weather hot. Rainfall at Bettiah *nil*. Harvesting of *bhadoi* crops going on. Standing crops doing well. Fodder and water sufficient. Cattle-disease reported from Bettiah, Majholie, Jagapati and Ramnagar. |
| 17 | MUZAFFARPUR | Nil | 9<br>14* | 9<br>14* | Weather very hot. Rainfall at Sitamarhi 0·03 and at Hajipur 0·13 inch. Condition of standing crops very good. Harvesting of *bhadoi* crops in progress. Common rice and maize selling at 8 and 16 seers a rupee respectively at Hajipur and at 8¾ and 20 seers a rupee respectively at Sitamarhi. Fodder and water sufficient. Cattle-disease reported from Malwa, Lalganj and Hajipur. |
| 18 | DARBHANGA ... | 0·16 | 9½<br>19½* | 9½<br>17½* | Weather hot with bright sunshine. Transplantation of paddy continuing in places. Harvesting of *bhadoi* crops going on. Prospects of crops good. Prices of food-grains stationary except that of *makai* which is falling. Food-stocks sufficient. Fodder and water sufficient. No cattle-disease reported. *Makai* selling at 19½ seers a rupee in Darbhanga bazar, but a little dearer in the interior. |
| 19 | MONGHYR ... | Nil | 10½<br>18⅞* | 10¼<br>16$\frac{13}{16}$* | Weather oppressingly hot with bright sunshine. Condition of paddy very good. Maize being harvested in the Jamui and Sadar subdivisions. Sugarcane doing well in the Jamui subdivision. Prices of staple food-grains fallen. Fodder and water sufficient. Rinderpest reported from thana Ballia. |
| 20 | BHAGALPUR ... | 0·73 | 9½*<br>19* | 8⅞<br>17¾* | Weather [illegible]sonable. Harvesting of *marua* nearly finishe[illegible] crops going on. Condition [illegible] standing crops very good. Jute do[illegible]ell. Sowing of *kulthi* commenced. Cattle-disease reported from Supaul, Madhipura and Bangong police-stations. Condition of agricultural stock good. Fodder and water sufficient. Prices of food-grains slightly fallen. |
| 21 | PURNEA ... | 0·36 | 11† | 11† | Weather unusually hot and sultry. Transplantation of *aghani* paddy still going on. Heavy showers urgently required in the Sadar subdivision. Steeping and washing of jute in progress. Prospects good. Harvesting of *bhadoi* crops in progress. Cattle-disease reported from several thanas. Fodder and water sufficient. Common rice selling at 9 and 8½ seers a rupee at Araria and Kishanganj respectively. |

* The figures indicate the price of maize in seers per rupee.
† New *bhadoi* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 3·29 | 8<br>14* | 8<br>14* | Weather seasonable. Rainfall at Siliguri 4·45 inches. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Transplantation of winter rice going on. Harvesting of jute and *bhadoi* crops in progress. Prospects of jute and sugarcane not satisfactory. |
| 23 | SONTHAL PARGANAS. | 0·81 | 11 | 11<br>14* | Rainfall at Jamtara 0·48, and at Pakour 1·47 inches. Harvesting of maize nearly finished. Prospects of standing crops favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Prospects of jute unfavourable. Fodder and water sufficient. |
| 24 | CUTTACK ... | 1·13 | 11 13/16 | 11 13/16 | *Beali* paddy, *mandia* and jute being harvested. *Saradh* paddy, sugarcane and early cotton growing well. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 1·20 | 13 | 13 | Rainfall at Bhadrak 0·95 inch. Weather seasonable. Weeding and transplanting of *saradh* paddy and threshing of *beali* paddy continuing. Sugarcane and *bhadoi* crops thriving. Vegetables doing well. Harvesting of *til* commenced, and that of jute continuing. Their condition good. Rinderpest reported from Balasore Circle. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices stationary at Sadar and falling at Bhadrak. |
| 26 | ANGUL ... | 0·16 | 15¾ | 15¾ | Rainfall at Phulbani 2·21 inches. Weather cloudy. More rain urgently wanted at the Sadar subdivision for puddling, transplanting and weeding of upland winter paddy. Harvesting of millets and *bhadoi* paddy continuing. Sowings of *biri*, *kulthi* and *rasi* in progress. Condition of agricultural stock good. Cattle-disease reported. Common rice selling at 12 seers per rupee in the Khondmals. |
| 27 | PURI ... | 6·46 | [illegible] 3/16 | 11 13/16 | Rainfall at Khurda 1·80 inches. Weeding of *saradh* paddy going on. *Beali* paddy and *mandia* being harvested. Sugarcane and cotton thriving. Cattle-disease reported from Bhubaneswar and Khurda Chaklas where Veterinary Assistant has been directed to proceed. Fodder and water sufficient. Common rice selling at 11 13/16 seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | 0·22 | 13 | 14 | Rainfall insufficient. Autumn rice suffering for want of rain in Bargarh. Weeding of winter rice, sowing of *til* and *kulthi* and reaping and threshing of autumn rice in progress. Sowing of *moong* commenced. Sugarcane plants being tied. Condition of sugarcane, cotton and *urid* good and that of autumn rice fair. Rice plants partly damaged by insect-pests in six villages in the Sadar Tahsil. Rinderpest and foot-and-mouth disease reported. Stocks of food-grains and fodder and water-supply sufficient. Common rice selling at 12 seers per rupee at Sambalpur. |
| 29 | HAZARIBAGH... | 0·24 | 9½<br>13¼* | 9½<br>20* | Weather seasonable. Prospects of standing crops good. *Kulthi*, *sirguja* and *til* being sown. *Bhadoi* crops being harvested. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | 0·06 | 9¾ | 9¾ | Weather hot and slightly cloudy. Condition of standing crops good. Harvesting of *gora* paddy and *gondli* continuing. Cattle-disease reported from six thanas. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† New *bhadoi* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | Nil. | 9 | 9 | Weather seasonable. Harvesting of *bhadoi* crops continuing. Standing crops doing well, but rain required for rice on high lands. Fields being prepared for *rabi* crops. Fodder and water sufficient. Cattle-disease reported from five thanas. |
| 32 | MANBHUM ... | 2·18 | 11 | 11 | Rainfall at Dhanbaid 2·70 inches. Weather seasonable. State of standing crops good. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 8 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 1·20 | 8 | 8 | Weather seasonable. Weeding operations completed. Condition of standing crops good. Fodder and water sufficient. Condition of cattle good. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 3·14 | $7\frac{8}{11}$ | $7\frac{7}{11}$ | Weather hot and cloudy. Transplanting of *haimantik* seedlings, cutting, steeping and washing of jute continuing. Condition of jute good. Prices of staple food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 2·99<br>Athmallik ... 2·94<br>Bamra ... 2·68<br>Baramba ... 4·47<br>Ba[illegible] ... 1·50<br>Bonai ... 2·75<br>Daspalla ... 1·50<br>Dhenkanal ... 1·58<br>Gangpur ... 2·46<br>Hindol ... 2·47<br>Kalahandi ... 2·46<br>Keonjhar ... 1·66<br>Khandpara ... Moderate rain on three days during the week.<br>Mayurbhanj ... 1·23<br>Narsinghpur ... 2·20<br>Nayagarh ... 2·25<br>Nilgiri ... 4·19<br>Pal-Lahara [illegible]<br>Patna [illegible] 1·67<br>Rairakhol [illegible] 3·18<br>Ranpur ... 1·70<br>Sonpur ... 1·92<br>Talcher ... 3·39<br>Weather seasonable. Weeding of winter paddy in progress. *Bhadoi* crops and early rice being harvested. The estimated outturn of early rice 12 annas in Mayurbhanj and Hindol, 15 annas in Athgarh and 16 annas in Dhenkanal and Nilgiri, of *bhadoi rasi*, *sawan* and Indian corn 16 annas in Athmallik and of *mandia* 16 annas in Dhenkanal. Standing crops doing well. Fodder and water sufficient. Price of common rice varying from 12 seers in Narsinghpur, Khandpara and Baramba and 12½ seers in Athgarh and Athmallik to 18 seers in Bonai and 20 seers in Pal-Lahara and Talcher. |

* The report is for the week ending 4th September 1909.

GENERAL SUMMARY.—Rain fell in all districts excepting Gaya, Monghyr and Palamau. In Puri the fall was heavy; in other districts light. More rain is wanted in parts of Shahabad, Saran, Purnea, Angul and Palamau for *aman* paddy. Harvesting of the autumn crops, including jute, is in progress. Transplantation of paddy continues in some districts. Winter paddy and sugarcane are doing well. Low-land crops have been considerably damaged by floods in parts of Burdwan, Hooghly, Howrah and Murshidabad. The price of common rice has risen in Hooghly, Saran, Puri and Sambalpur, and has fallen in Jessore, Shahabad, Champaran, Monghyr and Bhagalpur. The price of *makai* is falling owing to the full harvest already reaped in some districts. Rinderpest is reported from Murshidabad, Monghyr Balasore, and Sambalpur, and other cattle-diseases from Midnapore, Nadia, Khulna, Patna, Gaya, Saran, Champaran, Muzaffarpur, Angul, Puri, Hazaribagh, Ranchi and Palamau. Fodder is dear in parts of Burdwan owing to the recent floods. The water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 14th September 1909.*

W. R. GOURLAY,
*Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 11th September 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 11th September 1909. | | | Week ending Saturday, the 12th September 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 531 | 49,726 | 811 | 466 | 37,962 | 625 |
| Jute ... ... | 195 | [illegible]* | 646 | 103 | 31,988† | 463 |
| Firewood ... ... | 45 | 51,[illegible] | 793 | 78 | 55,200 | 844 |
| Other articles ... ... | 568 | 1,69,82[illegible] | 1,751 | 841 | 2,31,382 | 2,506 |
| Total ... | 1,329 | 3,18,688 | 4,001 | 1,488 | 3,56,532 | 4,441 |

* Weight by canal measurement, 60,102½ maunds.
† Ditto ditto, 38,725 ,,

CALCUTTA,
*The 14th September 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan | ... | ... | ... | ... | ... | ... | 8 12 | 8 0 | 7 0 | 9 0 | 8 10 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum | 9 0 | 9 0 | 7 8 | ... | ... | ... | 9 0 | 8 4 | 6 12 | 9 0 | 8 8 | 6 12 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura | 8 8 | 8 8 | 7 0 | ... | ... | ... | 8 12 | 8 8 | 7 4 | 9 4 | 9 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore | 9 0 | 8 0 | 10 0 | ... | ... | ... | 9 14½ | 9 13½ | 6 9 | 10 8 | 10 8 | 6 14 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly | ... | ... | ... | ... | ... | ... | 7 0 | 7 0 | 6 0 | 8 0 | 8 0 | 6 4 | ... | ... | ... | ... | ... | ... |
| | 6 | Howrah | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 8 | 8 8 | 8 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas | ... | ... | 7 12 | ... | ... | ... | 8 0 | 8 0 | 6 12 | 9 4 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta | 9 0 | 9 0 | 7 6 | 12 10 | 12 8 | 10 0 | 7 12 | 7 12 | 6 6 | 10 0 | 10 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia | 8 0 | 8 9 | 8 0 | ... | 10 9 | 11 0 | 8 0 | 8 0 | 6 4 | 8 10 | 8 9 | 6 8 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 9 0 | 9 12 | 8 0 | 16 0 | 16 0 | 12 8 | 8 8 | 7 [illegible] | 6 8 | 9 4 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore | 6 8 | 6 8 | 6 8 | 8 0 | 8 0 | 7 8 | 9 4 | 8 12 | 8 2 | 9 9 | 9 8 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna | ... | ... | ... | ... | ... | ... | 8 8 | 8 0 | 7 0 | 9 8 | 9 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna | 10 4 | 10 4 | 8 8 | 18 0 | ... | 12 0 | 9 4 | 9 4 | 6 12 | 10 0 | 10 4 | 8 4 | 13 4 | 13 4 | ... | ... | ... | ... |
| | 14 | Gaya | 9 12 | 9 8 | 7 12 | 14 6 | 14 10 | 11 0 | 9 1 | 8 14 | 6 8 | 10 3½ | 10 4 | 7 0 | ... | ... | 9 8 | ... | ... | ... |
| | 15 | Shahabad | 10 0 | 9 8 | 7 12 | 14 [illegible] | 14 8 | 10 8 | 9 12 | 8 12 | 7 3 | 9 12 | 9 12 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 16 | Saran | 9 8 | 9 8 | 8 4 | 16 0 | 16 0 | [illegible] | 9 0 | 8 0 | 7 0 | 10 0 | 9 12 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran | 9 8 | 9 8 | 8 [illegible] | [illegible] | [illegible] | [illegible] | 9 8 | 9 0 | 6 8 | 10 0 | 9 12 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur | 9 0 | 9 0 | 7 12 | 16 0 | 15 0 | 11 0 | 6 0 | 6 0 | 6 0 | 9 0 | 9 0 | 7 8 | ... | ... | 4 0 | ... | ... | ... |
| | 19 | Darbhanga | 8 12 | 9 4 | 7 11 | 15 6 | 15 6 | 9 14 | 7 11 | 8 0 | 5 8 | 9 0 | 9 8 | 6 8 | ... | ... | ... | ... | ... | ... |

*Station Bazars of the districts of Bengal on the 31st August 1909.*

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHENGA, KADALAI OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PÈA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | Number. |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| ... | ... | ... | ... | ... | ... | 12 0 | 11 8 | 8 0 | ... | ... | ... | 9 0 | 8 8 | 7 0 | 21 0 | 21 0 | 19 0 | 1 10 6 | Panga. 1 10 6 | 1 12 0 | | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 8 0 | ... | ... | ... | 6 12 | 6 12 | 6 0 | 18 0 | 20 0 | 20 0 | 2 10 6 | Karkatch. 1 14 0 | 1 15 0 | | 2 |
| ... | ... | ... | ... | ... | ... | 10 4 | 10 8 | 8 4 | ... | ... | ... | 9 0 | 9 0 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | 3 |
| ... | ... | ... | ... | ... | ... | 11 8 | 11 8 | 7 0 to 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 0 | 21 0 | Crushed 20 0 | 20 0 | 1 12 0 | Crashed 1 12 0 | 1 12 0 | | 4 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 4 | ... | ... | ... | 8 0 | 8 8 | 6 4 | 21 0 | 20 0 | 17 0 | 1 14 0 | Panga. 1 14 0 | 2 4 0 | | 5 |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 1 14 0 | | 6 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 8 8 | ... | ... | ... | 9 0 | 9 0 | 7 8 | 22 8 | 22 8 | 25 0 | 1 12 0 | Liverpool 1 12 0 | 1 9 6 | | 7 |
| ... | ... | ... | 10 0 | 9 0 | 9 0 | 11 0 | 11 0 | 8 8 | 13 0 | 13 0 | 8 10 | 8 8 | 8 8 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 7 | 16 0 | 16 0 | 16 0 | 1 13 0 | White Karkatch. 1 13 0 | 1 14 0 | | 9 |
| ... | ... | ... | ... | ... | ... | 14 0 | 13 8 | 9 0 | ... | ... | ... | 10 0 | 10 0 | 6 12 | 20 0 | 21 0 | 18 0 | 2 0 0 | 1 14 0 | 2 4 0 | | 10 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | [illegible] | 11 4 | 10 0 | 20 0 | 20 0 | 20 0 | 1 12 0 | Panga. 1 12 0 | 1 14 0 | | 11 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 8 0 | ... | ... | ... | 5 8 | [illegible] | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 2 2 0 | | 12 |
| ... | ... | ... | 14 4 | 13 4 | ... | ... | 12 12 | 9 8 | 13 0 | 12 12 | 10 0 | 11 8 | 11 4 | 8 [illegible] | 19 8 | 19 8 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | 13 |
| 15 10 | ... | 11 0 | Old 13 5 New 15 6 | 13 5 | ... | 13 1 | 12 13 | 9 4 | 13 13 | 13 0 | 9 8 | 9 12 | 9 7 | 7 8 | 21 10 | 21 12 | 20 0 | 1 9 6 | Panga. 1 9 6 | 2 0 0 | | 14 |
| ... | ... | ... | ... | ... | ... | 14 0 | 14 0 | 9 0 | ... | ... | ... | 11 0 | 11 0 | 7 12 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | | 15 |
| 16 0 | 14 0 | ... | ... | ... | ... | 14 0 | 13 8 | 9 0 | 15 0 | 14 0 | 9 0 | 12 4 | 11 8 | 9 [illegible] | 22 0 | 22 0 | 20 5 | 1 12 0 | Panga. 1 13 0 | 1 14 6 | | 16 |
| 20 0 | 16 0 | ... | ... | ... | ... | 14 0 | 13 8 | 9 8 | 15 8 | 15 8 | 10 4 | 10 0 | 10 [illegible] | [illegible] | [illegible] | [illegible] | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | | 17 |
| 16 0 | ... | ... | ... | ... | ... | 13 0 | 12 0 | 9 0 | 13 8 | 13 0 | 10 0 | 10 0 | 9 0 | [illegible] | 20 [illegible] | 20 0 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | | 18 |
| 14 4 | 17 9 | 9 4 | ... | ... | ... | 12 1 | 12 1 | 8 4 | 13 3 | 14 12 | 9 4 | 8 12 | 8 12 | 6 9 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | | 19 |

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 12 0 | 6 12 0 | 7 2 0 | ... | 5 0 0 | 6 2 0 | 3 10 0 | 3 10 0 | 4 12 0 | 4 10 0 | 4 8 0 | 5 2 0 |
| 2 | Burdwan ... | 5 8 0 | 5 12 0 | 6 10 0 | 4 10 0 | 4 14 0 | 5 13 0 | 4 8 0 | 4 10 6 | 5 6 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 11 0 | 4 13 0 | 7 2 0 | 3 14 0 | 4 1 6 | 5 14 0 | 3 6 0 | 3 9 9 | 5 13 0 | ... | ... | ... |
| 4 | Patna ... | 6 8 0 | 7 4 0 | 9 0 0 | 4 4 0 | 4 4 0 | 5 14 0 | 3 15 0 | 3 13 6 | 4 15 0 | 3 13 6 | 3 13 6 | 4 12 0 |
| 5 | Muzaffarpur ... | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 6 10 6 | 4 7 0 | 4 7 0 | 5 5 0 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur ... | 6 3 0 | 6 4 0 | 7 0 0 | 5 4 0 | 5 6 0 | 6 1 0 | 4 6 0 | 4 8 0 | 5 4 0 | 4 6 0 | 4 8 0 | 4 13 0 |
| 7 | Cuttack ... | 6 1 6 | 6 1 6 | 7 3 0 | 3 6 2 | 3 9 0 | 5 5 0 | 3 [illegible] 2 | 3 9 0 | 5 4 9 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur ... | 5 6 0 | 5 12 0 | 6 10 0 | 3 0 0 | 3 5 6 | 4 0 0 | 2 10 6 | 3 1 3 | 4 0 0 | 4 5 3 | 4 5 3 | 4 13 0 |
| 9 | Ranchi ... | 5 8 0 | 5 4 0 | 8 0 0 | 4 0 0 | 5 0 0 | 5 12 0 | 3 6 0 | 4 0 0 | 5 0 0 | 4 9 0 | 4 12 0 | 5 10 0 to 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 3 0 0 | 3 0 0 | 4 8 0 | 4 8 0 | 4 8 0 | 5 8 0 | 5 8 0 | 5 8 0 | 5 8 0 | 4 8 0 | 4 12 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 8 0 | 4 2 0 | 5 10 6 | ... | ... | ... | White. ... / Kajli. 5 0 0 | White. 5 4 0 / Kajli. 5 0 0 | ... / 7 0 0 |
| 3 | Midnapore ... | ... | [illegible] | [illegible] | [illegible] | ... | 6 0 0 | 5 4 0 | 5 4 0 | ... | Black mustard. 5 12 0 / Rapeseed. 5 4 0 | Black mustard. 5 12 0 / Rapeseed. 4 14 0 to 5 4 0 | 7 0 0 / 6 8 0 |
| 4 | Patna ... | 2 5 0 | 3 1 6 | 3 [illegible] | [illegible] | 3 8 0 | 4 13 0 | 5 12 0 | 5 12 0 | 5 14 0 | 5 2 0 | 5 0 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 2 15 3 | 3 1 3 | 4 0 0 | 4 0 0 | 4 7 0 | 5 11 6 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 2 9 0 | 3 2 6 | 3 15 0 | 4 8 0 | 4 8 0 | 5 8 3 | 5 10 0 | 5 8 0 | 5 11 0 | Mustard. 4 10 0 / Rapeseed. 4 3 0 | Mustard. 4 8 0 / Rapeseed. 4 2 0 | 6 8 0 / 6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 12 11 | 3 12 11 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 0 0 | 5 0 0 | 6 10 0 | ... | ... | ... | ... | — | 8 0 0 |
| 9 | Ranchi ... | ... | ... | ... | 6 10 0 | 5 12 0 | 5 10 0 to 9 0 0 | 5 4 0 | 5 0 0 | 8 0 0 | 4 12 0 to 5 6 0 | 5 0 0 to 5 8 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 31st August 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Chobum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Badalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 12 0 | 2 14 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 8 0 | 4 8 0 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 4 0 | 3 2 0 | 4 14 0 | 2 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 12 0 to 5 0 0 | 3 |
| 2 4 0 | 2 1 0 | 3 4 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 1 0 | 3 1 6 | 4 2 0 | 4 |
| 2 8 0 | 2 10 6 | 3 10 0 | ... | ... | ... | ... | ... | ... | 2 8 0 | 2 10 6 | ... | 3 1 3 | 3 5 3 | 4 7 0 | 5 |
| 3 2 0 | 3 2 6 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 0 9 | 3 5 0 | 4 8 0 | 6 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Biri or kalai. 4 3 9 | 4 3 9 | 4 3 4 | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 5 6 | 3 5 6 | 5 0 0 | [illegible] |
| 3 6 0 | 4 0 0 | 4 8 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 3 10 0 | 4 8 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 4 8 0 | 4 12 0 | 6 8 0 | 6 8 0 | 6 0 0 | 5 12 0 | 22 0 0 | 22 0 0 | 18 0 0 | 5 2 0 | 5 2 0 | 6 8 0 | 1 |
| ... | ... | ... | 8 0 0 | 9 0 0 | 6 8 0 | ... | ... | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 4 0 | 8 4 0 | 7 0 0 | 22 0 [illegible] to 2[illegible] [illegible] 0 0 | [illegible] | [illegible] | ... | ... | ... | 3 |
| 5 4 0 | 5 4 0 | 7 0 0 | 6 0 0 | 6 0 0 | 6 0 0 | 20 0 0 | 20 0 0 | 18 8 0 | ... | ... | 5 8 0 | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 5 0 0 | ... | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 6 3 0 | 6 2 0 | 4 8 0 | 22 0 0 | 21 8 0 | 20 0 0 | ... | ... | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| 4 12 0 | 4 12 0 | 6 8 0 | 6 3 0 | 5 12 0 | 5 12 0 | ... | ... | ... | No sale | No sale | 5 8 0 | 8 |
| ... | ... | ... | 6 0 0 | 6 0 0 | 7 0 0 | 23 0 0 | 23 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco Leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 43 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 385 0 0 | 385 0 0 | 390 0 0 |
| 2 | Burdwan ... | 38 0 0 | 39 0 0 | 40 0 0 | ... | ... | ... | ... | ... | ... |
| 3 | Midnapore ... | 43 0 0 | 42 0 0 to 43 0 0 | 37 0 0 to 40 0 0 | 14 0 0 | Madhukhali. 13 0 0 | 12 8 0 | Unclean per piece. 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 2 4 0 to 3 0 0 |
| | | | | | 15 8 0 | Palta. 15 0 0 | 11 0 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 2 8 0 to 3 4 0 |
| 4 | Patna ... | 35 0 0 to 36 0 0 | 34 0 0 to 36 0 0 | 36 0 0 to 38 0 0 | 5 0 0 to 6 0 0 | Douji. 3 0 0 to 6 0 0 | 2 0 0 to 4 0 0 | ... | ... | 30 0 0 |
| 5 | Muzaffarpur ... | 40 0 0 | 40 0 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | ... | ... |
| 6 | Bhagalpur ... | 40 0 0 | 39 0 0 | 43 0 0 | 13 0 0 | 13 0 0 | 10 0 0 | ... | ... | ... |
| 7 | Cuttack ... | 45 11 6 | 45 11 5 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 8 0 | 37 0 0 | 39 0 0 | 20 0 0 | 20 0 0 | 16 0 0 | 42 0 0 | Per maund. 40 0 0 | ... |
| 9 | Ranchi ... | 36 0 0 | 40 0 0 | 40 0 0 | 11 0 0 | 11 0 0 | 10 0 0 to 16 0 0 | 0 8 0 to 0 9 0 | Per lb. 0 8 0 | ... |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | lcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 1 14 0 | 1 12 0 | ... |
| | dwan ... | — | — | ... | 0 11 0 | 0 10 0 | 0 9 0 | 1 10 0 | Panga. 1 10 8 | 1 12 0 | ... | ... | ... |
| | napore ... | 4 0 0 to 4 4 0 | 4 [illegible] to 4 4 0 | [illegible] | [illegible] 6 0 | 0 4 0 | ... 1 12 0 | Bombay. ... Crushed. 1 12 0 | 2 0 0 1 12 0 | ... | ... | ... |
| | a ... | 3 0 0 to 5 0 0 | 2 8 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 7 6 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 6 0 | 1 8 0 | ... |
| | azaffarpur ... | 8 0 0 | 8 0 0 | 8 0 0 | 0 5 3 | 0 4 6 | 0 8 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 0 0 | 1 0 0 | ... |
| | hagalpur ... | 4 2 0 | 4 4 0 | 5 0 0 | 0 5 3 | 0 5 3 | 0 6 0 | 1 13 0 | 1 13 6 | 1 14 6 | 0 10 0 | 0 9 0 | ... |
| | uttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| | ambalpur ... | ... | ... | ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| | anchi ... | 5 0 0 | 5 0 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 5 3 | 2 4 0 | Panga. 2 3 0 | 2 4 0 | 2 4 0 | 2 2 0 | — |

CALCUTTA,
*The 13th September 1909.*

*the undermentioned Marts of Bengal on the 31st August 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 1 0 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 10 0 | 0 9 0 | 0 10 0 | — | ... | — | Burdwan ... | 2 |
| ... | — | ... | 0 8 0 | 0 8 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | 0 8 0 | ... | ... | 0 12 0 | ... | ... | 0 6 0 | Patna ... | 4 |
| — | ... | ... | — | ... | ... | — | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | — | ... | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 7 0 | 0 7 0 | 0 7 0 | 0 12 0 | 0 13 0 | 1 10 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 2 0 | 2 2 0 | ... | 3 12 0 | 3 12 0 | ... | Per tin. (Elephant brand.) 1 8 0 | 1 8 0 | ... | Calcutta ... | 1 |
| 3 8 0 | 4 0 0 | ... | ... | ... | ... | Per tin. (Elephant brand.) 1 10 [illegible] | 1 11 0 | ... | Burdwan ... | 2 |
| ... | ... | ... | ... | ... | ... | [illegible] | [illegible] | ... | Midnapore ... | 3 |
| 2 4 0 | 2 4 0 | ... | ... | ... | ... | Victoria brand. 1 9 0 | 1 8 6 | ... | Patna ... | 4 |
| 2 8 0 | 2 8 0 | ... | 3 5 3 | 3 8 0 | ... | Victoria brand. 1 12 0 | 2 0 2 | ... | Muzaffarpur ... | 5 |
| 1 8 0 | 2 3 0 | ... | 3 0 0 | 3 8 0 | ... | 1 6 6 to 3 4 0 | 1 7 6 to 3 4 0 | ... | Bhagalpur ... | 6 |
| ... | ... | ... | 5 1 4 | 5 1 4 | ... | Victoria brand. 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | Victoria brand. 1 10 6 | 1 10 6 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | ... | 4 0 0 | 4 2 0 | ... | Snake brand. 1 11 6 | 2 0 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Director of Agriculture, Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th September 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Sept. | 5th | 147·6 | 5·1 | 29·790 | 83·1 | 88·7 | 10·7 | 78·0 | 79·0 | 0·937 | 77·8 | 82 | SSE and SSW ... | 56 | 0·12 | Partially cloudy, d. |
| " | 6th | 153·4 | 8·4 | ·763 | 83·5 | 90·7 | 13·8 | 76·9 | 78·7 | ·915 | 76·5 | 79 | SSW and WSW | 49 | 0·03 | Partially cloudy. |
| " | 7th | 146·4 | 8·8 | ·711 | 84·0 | 90·8 | 13·0 | 77·8 | 79·2 | ·927 | 76·9 | 73 | WSW ... | 71 | Nil | Partially cloudy. |
| " | 8th | 146·3 | 8·9 | ·709 | 85·0 | 91·7 | 12·8 | 78·9 | 80·3 | ·965 | 78·2 | 79 | WSW and SSW... | 73 | Nil | Partially cloudy. |
| " | 9th | 146·7 | 8·7 | ·650 | 85·7 | 92·7 | 15·5 | 79·2 | 81·0 | 1·002 | 79·3 | 82 | SSW WSW and SW by S. | 105 | Nil | Partially cloudy. |
| " | 10th | 145·4 | 6·8 | 608 | 86·4 | 93·5 | 13·6 | 79·9 | 79·9 | 0·956 | 77·9 | 79 | WSW, N by E and NW. | 94 | Nil | Partially cloudy, o. |
| " | 11th | 147·2 | 5·1 | ·604 | 84·9 | 92·0 | 13·6 | 78·4 | 80·4 | ·987 | 78·8 | 82 | NNW, and variable. | 84 | 0·30 | Partially cloudy, t, p, o. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·691 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·652 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 51·8 |
| The maximum possible number of hours of sunshine ... ... ... | 86·8 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 84·7 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·2 |
| The extreme variation of temperature ... ... ... ... | 16·6 |
| The maximum temperature ... ... ... ... ... | 93·5 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 9 |
| | % |
| The mean relative humidity ... ... ... ... ... | 80 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| | Inches. |
| The total fall of rain from 5th to 11th September 1909 ... ... | 0·45 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 3·11 |
| The total fall from 1st January to 11th September 1909 ... ... | 59·20 |
| The average fall [illegible] ding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 52·86 |

The mean pressure, temperature [illegible] are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

d, drizzling rain; t, thunder; p, passing temporary showers; o, overcast.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 13th September 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried over the East Indian Railway during the month of May 1909 as compared with the same period of 1908.*

| STAPLES. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... ... | 209 | 175 | ..... | 34 |
| Coal and coke carried for the public and foreign railways ... ... ... ... ... | 703,797 | 619,982 | ..... | 83,815 |
| *Cotton*— | | | | |
| (1) Raw ... ... ... ... ... | 1,365 | 1,105 | ..... | 260 |
| (2) Manufactured— | | | | |
| (a) Twist and Yarn, European ... ... | 116 | 67 | ..... | 49 |
| (b) Ditto, Indian ... ... ... | 1,263 | 1,338 | 75 | ..... |
| (c) Piece-goods, European ... ... ... | 7,883 | 4,333 | ..... | 3,550 |
| (d) Ditto, Indian ... ... ... | 554 | 740 | 186 | ..... |
| (e) Others ... ... ... ... ... | 161 | 181 | 20 | ..... |
| Chemicals, excepting saltpetre ... ... ... | 612 | 479 | ..... | 133 |
| *Drugs*— | | | | |
| 1.—Intoxicating other than opium ... | 1 | 10 | 9 | ..... |
| 2.—Non-intoxicating— | | | | |
| (a) Medicinal preparations ... ... | 192 | 109 | ..... | 83 |
| (b) Others ... ... ... ... | ..... | 127 | 127 | ..... |
| *Dyes and Tans*— | | | | |
| 1.—Alizarine and aniline dyes ... ... | 27 | 34 | 7 | ..... |
| 2.—Cutch ... ... ... ... ... ... | 173 | 200 | 27 | ..... |
| 3.—Indigo ... ... ... ... ... ... | 13 | 8 | ..... | 5 |
| 4.—Myrabolams ... ... ... ... ... | 448 | 271 | ..... | 177 |
| 5.—Tanning barks ... ... ... ... | 514 | 847 | 333 | ..... |
| 6.—Turmeric ... ... ... ... ... | 1,167 | 1,092 | ..... | 75 |
| 7.—Others ... ... ... ... ... ... | 655 | 615 | ..... | 40 |
| *Fodder*— | | | | |
| 1.—Oilcake ... ... ... ... ... | 6,280 | 4,306 | ..... | 1,974 |
| 2.—Hay, straw and grass ... ... ... | 5,622 | 2,736 | ..... | 2,886 |
| Fruits and vegetables, fresh ... ... ... | 427 | 952 | 525 | ..... |
| *Grain and Pulse*— | | | | |
| 1.—Gram and pulse ... ... ... ... | 33,384 | 25,190 | ..... | 8,194 |
| 2.—Jowar and bajra ... ... ... ... | 1,645 | 1,709 | 64 | ..... |
| 3.—Rice in the husk ... ... ... ... | 3,000 | 19,767 | 16,767 | ..... |
| 4.—Rice not in the husk ... ... ... | 44,752 | 53,004 | 8,252 | ..... |
| 5.—Wheat ... ... ... ... ... ... | 29,889 | 74,303 | 44,414 | ..... |
| 6.—Wheat flour ... ... ... ... ... | 4,932 | 3,720 | ..... | 1,212 |
| 7.—Others ... ... ... ... ... ... | 9,134 | 6,500 | ..... | 2,634 |
| *Hides and Skins*— | | | | |
| 1.—Hides of cattle— | | | | |
| (a) Dressed or tanned ... ... ... | ..... | 28 | 28 | ..... |
| (b) Raw ... ... ... ... ... | 1,820 | 1,676 | ..... | 144 |
| 2.—Skins of sheep, &c.— | | | | |
| (a) Dressed or tanned ... ... ... | ..... | 3 | 3 | ..... |
| (b) Raw ... ... ... ... ... | 904 | 960 | 57 | ..... |
| Horns ... ... ... ... ... ... ... | 36 | 84 | 48 | ..... |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... ... ... ... ... | 2,114 | 2,532 | 418 | ..... |
| *Jute*— | | | | |
| 1.—Raw ... ... ... ... ... ... | 7,167 | 1,709 | ..... | 5,458 |
| 2.—Gunny-bags and cloth ... ... ... | 6[illegible] | 7,089 | 316 | ..... |
| Lac ... ... ... ... ... ... ... | 2,70[illegible] | 3,335 | 633 | ..... |
| *Leather*— | | | | |
| 1.—Unwrought ... ... ... ... ... | 26 | 19 | ..... | 7 |
| 2.—Wrought, excepting boots and shoes ... | 128 | 10[illegible] | ..... | 15 |
| *Liquors*— | | | | |
| 1.—Ale and Beer ... ... ... ... ... | 396 | [illegible] | ..... | 40 |
| 2.—Spirits and wines of all kinds, including country spirits ... ... ... | 318 | 248 | ..... | 70 |
| 3.—All other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | 5 | 17 | 12 | ..... |
| *Metals*— | | | | |
| 1.—Brass, unwrought ... ... ... ... | 129 | 50 | ..... | 79 |
| 2.— Do., manufactures ... ... ... | 454 | 6[illegible] | 168 | ..... |
| 3.—Copper, unwrought ... ... ... | 38 | [illegible] | 258 | ..... |
| 4.— Do., manufactures ... ... ... | 96 | 41 | ..... | 55 |
| 5.—Iron and steel— | | | | |
| (1) Unwrought (dust, slag, pig and old for remanufacture) ... ... | 2,5[illegible] | [illegible] | [illegible] | ..... |
| (2) Wrought— | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel ... ... ... | 5,470 | [illegible] | ..... | 1,016 |
| (b) Machinery and mill work ... | 1,063 | [illegible] | ..... | 112 |
| (c) Other manufactures, including hardware and cutlery ... | 2,816 | 1,527 | ..... | 1,289 |
| 6.—Metallic ores ... ... ... ... ... | 702 | 2,411 | 1,709 | ..... |
| 7.—Others ... ... ... ... ... ... | 436 | 876 | 440 | ..... |
| Mineral substances— | | | | |
| 1.—Marble and stone ... ... ... ... | 30,925 | 29,419 | ..... | 1,506 |
| 2.—Chalk and lime ... ... ... ... | 14,033 | 11,815 | ..... | 2,218 |
| 3.—Others ... ... ... ... ... | 144 | 188 | 44 | ..... |
| *Oils*— | | | | |
| 1.—Kerosine ... ... ... ... ... | 6,195 | 6,647 | 452 | ..... |
| 2.—Castor ... ... ... ... ... ... | 226 | 131 | ..... | 95 |
| 3.—Cocoanut ... ... ... ... ... | 300 | 276 | ..... | 24 |
| 4.—Mustard and rape ... ... ... ... | 913 | 657 | ..... | 256 |
| 5.—Others ... ... ... ... ... ... | 270 | 304 | 34 | ..... |
| *Oilseeds*— | | | | |
| 1.—Castor ... ... ... ... ... ... | 5,553 | 3,676 | ..... | 1,877 |
| 2.—Earthnuts ... ... ... ... ... | 392 | 148 | ..... | 244 |
| 3.—Linseed ... ... ... ... ... | 25,003 | 24,996 | ..... | 7 |
| 4.—Poppy ... ... ... ... ... ... | 2,988 | 4,020 | 1,032 | ..... |
| 5.—Rape and mustard ... ... ... ... | 13,382 | 18,260 | 4,878 | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 710 | 460 | ..... | 250 |
| 7.—Others ... ... ... ... ... ... | 2,101 | 1,248 | ..... | 853 |
| Opium ... ... ... ... ... ... ... | 629 | 146 | ..... | 483 |
| Paper and pasteboard ... ... ... ... | 891 | 798 | ..... | 93 |

| Staples. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| *Provisions—* | | | | |
| 1.—Dried fruits and nuts ... ... ... | 322 | 422 | 100 | ..... |
| 2.—Ghee ... ... ... ... ... ... | 1,028 | 1,389 | 361 | ..... |
| 3.—Potatoes ... ... ... ... ... | 7,203 | 3,824 | ..... | 3,379 |
| 4.—Others ... ... ... ... ... ... | 3,650 | 5,138 | 1,488 | ..... |
| *Railway plant & rolling-stock carried for the public & foreign railways—* | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... ... ... ... | 3 | 125 | 122 | ..... |
| 2.—Carriages and trucks and parts thereof | 180 | 39 | ..... | 141 |
| 3.—Materials— | | | | |
| (a) Steel rails and fish-plates ... | 102 | 6 | ..... | 96 |
| (b) Sleepers and keys of steel and cast-iron ... ... ... ... | 1 | ..... | ..... | 1 |
| (c) Others ... ... ... ... | 12,433 | 13,659 | 1,226 | ..... |
| Salt ... ... ... ... ... ... ... | 30,099 | 25,279 | ..... | 4,820 |
| *Saltpetre and other saline substances—* | | | | |
| 1.—Saltpetre ... ... ... ... ... | 2,155 | 1,979 | ..... | 176 |
| 2.—Other saline substances ... ... ... | 2,350 | 1,977 | ..... | 373 |
| Silk— | | | | |
| 1.—*Raw*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 17 | 16 | ..... | 1 |
| 2.—*Piece-goods*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 2 | 12 | 10 | ..... |
| *Spices—* | | | | |
| 1.—Betelnuts ... ... ... ... ... | 1,575 | 718 | ..... | 857 |
| 2.—Cardamoms ... ... ... ... ... | 40 | 41 | 1 | ..... |
| 3.—Chillies ... ... ... ... ... | 699 | 355 | ..... | 344 |
| 4.—Ginger ... ... ... ... ... | 33 | 59 | 26 | ..... |
| 5.—Pepper ... ... ... ... ... | 220 | 188 | ..... | 32 |
| 6.—Others ... ... ... ... ... | 1,577 | 1,601 | 24 | ..... |
| *Sugar—* | | | | |
| 1.—Refined or crystallized including sugarcandy ... ... ... ... | 7,737 | 5,865 | ..... | 1,872 |
| 2.—Unrefined— | | | | |
| (a) Sugar ... ... ... ... ... | 8,442 | 7,985 | ..... | 457 |
| (b) *Gur, rab*, jaggree, molasses and other saccharine produce ... | 10,632 | 9,454 | ..... | 1,178 |
| *Tea—* | | | | |
| 1.—Foreign ... ... ... ... ... | ..... | ..... | ..... | ..... |
| 2.—Indian ... ... ... ... ... | 73 | 41 | ..... | 32 |
| Tobacco— | | | | |
| 1.—Unmanufactured ... ... ... ... | 6,260 | 4,531 | ..... | 1,729 |
| 2.—Manufactured— | | | | |
| (a) Cigar ... ... ... ... ... | ..... | 1 | 1 | ..... |
| (b) Other sorts ... ... ... ... | ..... | 422 | 422 | ..... |
| Wood— | | | | |
| 1.—Timber, unwrought ... ... ... | 7,522 | 5,907 | ..... | 1,615 |
| 2.—Manufactures ... ... ... .. | 774 | 791 | 17 | ..... |
| *Wool—* | | | | |
| 1.—Raw ... ... ... ... ... ... | 422 | 160 | ..... | 262 |
| 2.—Manufactured— | | | | |
| (a) Carpets and rugs ... ... ... | 51 | 32 | ..... | 19 |
| (b) Piece-goods, European ... ... | 16 | ..... | ..... | 16 |
| (c) Ditto, Indian ... ... | 10 | 58 | 48 | ..... |
| (d) Other sorts of manufac[illegible] ... | 51 | 53 | 2 | ..... |
| All other articles of merchandise— | | | | |
| 1.—Bones ... ... ... ... ... ... | 2,553 | 2,374 | ..... | 179 |
| 2.—Firewood ... ... ... ... ... | 6,095 | 6,665 | 570 | ..... |
| 3.—Indigo seed ... ... ... ... ... | 4 | 3 | ..... | 1 |
| 4.—Paints and colours ... ... ... ... | 84 | 82 | ..... | 2 |
| 5.—Seeds other than [illegible]seeds ... ... ... | 499 | 36 | ..... | 463 |
| 6.—Others ... ... ... ... ... ... | 64,041 | 106,765 | 42,724 | ..... |
| Total ... | 1,177,997 | 1,168,855 | ..... | 9,142 |
| Military stores ... ... ... ... ... | 1,336 | 1,861 | 525 | ..... |
| Coal for railway ... ... ... ... ... | 113,573 | 80,077 | ..... | 33,496 |
| Railway materials ... ... ... ... ... | 99,355 | 157,731 | 58,376 | ..... |
| Live-stock ... ... ... ... ... | No. 27,188 | No. 25,566 | ..... | No. 1,622 |
| Total ... | 1,392,261 | 1,408,524 | 16,263 | ..... |

JAS. CALDWELL,

for *Chief Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 7th September 1909.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 21st August 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 477,568 | 3,98,881 0 0 | 52,28,932 0 | 7,81,264 0 0 | 47,157 0 0 | 12,27,302 0 0 | 159,675 | 158,823 | 318,498 |
| Or per mile of railway ... | ..... | 174 0 1 | ..... | 340 13 0 | 20 9 1 | 535 6 2 | ..... | ..... | ..... |
| For previous 6½ weeks of half-year | 3,304,331 | 27,91,713 0 0 | 3,59,74,379 0 | 55,90,283 0 0 | 3,00,200 0 0 | 86,82,196 0 0 | 1,020,339 | 1,080,299 | 2,106,638 |
| Total for 7½ weeks ... | 3,781,899 | 31,90,594 0 0 | 4,12,03,311 0 | 63,71,547 0 0 | 3,47,357 0 0 | 99,09,498 0 0 | 1,160,014 | 1,239,122 | 2,425,136 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 463,462 | 3,89,030 2 1 | 84,46,450 20 | 10,49,897 2 0 | 41,726 12 4 | 14,80,654 0 5 | 160,821 | 213,862 | 374,683 |
| Per mile of railway corresponding week of previous year. | ..... | 169 11 3 | ..... | 457 15 11 | 18 3 3 | 645 14 5 | ..... | ..... | ..... |
| Total for corresponding 7½ weeks of previous year. | 3,950,328 | 33,83,830 4 8 | 5,44,38,128 0 | 79,10,031 1 9 | 3,14,881 3 11 | 1,15,08,742 10 4 | 1,206,012 | 1,665,301 | 2,871,313 |

(a) The decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,33,303 | 88,76,828 | 14,22,529 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th " ... | 502,716 | 4,11,780 | 54,45,725 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | " " 24th " ... | 473,208 | 3,95,111 | 58,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | " " 31st " ... | 492,657 | 4,15,193 | 52,90,235 | 8,00,669 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| 2,292·37 | " " 7th Aug. ... | 491,544 | 4,37,839 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| 2,292·37 | " " 14th " ... | 545,208 | 4,98,496 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | " " 21st " ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,264 | 47,157 | 12,27,302 | 535 | 318,498 | 3 13 [illegible] |
| | Totals up to date ... | 3,781,899 | 31,90,594 | 4,12,03,311 | 63,71,547 | 3,47,357 | 99,09,498 | 582 | 2,425,136 | 4 1 5 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,89,320 | 16,67,408 | [illegible] | 24,27,792 | 1,059 | 5,97,554 | 4 1 0 |
| 2,292·38 | Week ended 18th " ... | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | [illegible] | 14,89,183 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | " " 25th " ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,843 | 45,468 | 15,45,652 | 674 | 377,627 | 4 1 6 |
| 2,292·38 | " " 1st Aug. ... | 497,536 | 4,13,416 | 69,17,570 | 10,92,347 | [illegible] | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | " " 8th " ... | 507,181 | 4,48,391 | 67,89,405 | 10,53,817 | 45,493 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | " " 15th " ... | 549,096 | 4,85,571 | 69,46,850 | 9,92,335 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | " " 22nd " .. | 463,462 | 3,89,030 | 84,46,451 | 10,49,897 | 41,727 | 14,80,654 | 646 | 374,683 | 3 15 3 |
| | Totals up to date ... | 3,950,328 | 33,83,830 | 5,44,38,128 | 79,10,031 | 3,14,882 | 1,15,08,743 | 663 | 2,871,313 | 4 0 2 |

## TARKESSUR BRANCH R[illegible]

*Approximate Return of Traffic for week ended [illegible] on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 17,975 | 3,652 0 0 | 12,780 0 | 841 0 0 | 13 0 0 | 4,206 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 164 6 11 | ... | 24 5 9 | 0 9 4 | 189 6 0 | ... | ... | .. |
| For previous 6½ weeks of half-year | 140,669 | 31,835 0 0 | 72,716 0 | 2,758 0 0 | 76 0 0 | 34,669 0 0 | 8,641 | 995 | 9,636 |
| Total for 7½ weeks ... | 158,644 | 35,487 0 0 | 85,496 0 | 3,599 0 0 | 89 0 0 | 38,875 0 0 | 9,978 | 1,154 | 11,132 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 16,105 | 3,728 11 7 | 6,238 30 | 209 8 0 | 8 10 3 | 4,006 13 10 | 1,368 | 126 | 1,494 |
| Per mile of railway corresponding week of previous year ... ... | ... | 167 14 2 | ... | 12 2 1 | 0 6 3 | 180 6 6 | ... | ... | ... |
| Total for corresponding 7½ weeks of previous year ... ... ... | 183,669 | 42,871 14 10 | 1,80,822 20 | 3,043 4 0 | 59 7 9 | 45,974 10 7 | 10,278 | 1,072 | 11,350 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,037 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 20,502 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " ... | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 3,961 | 13,809 | 419 | 13 | 4,393 | 198 | 1,540 | 2 13 8 |
| 22·21 | " " 7th August .. | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| 22·21 | " " 14th " ... | 18,326 | 4,077 | 8,344 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| 22·21 | " " 21st " ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,496 | 2 13 0 |
| | Totals up to date ... | 158,644 | 35,487 | 85,496 | 3,299 | 89 | 38,875 | 236 | 11,132 | 3 7 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. *1908.*

| | | No. of passengers. | Rs | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,439 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 20,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | " " 1st August | 19,748 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | " " 15th " ... | 23,836 | 5,600 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22 21 | " " 22nd " ... | 16,105 | 3,720 | 6,289 | 269 | 9 | 4,007 | 180 | 1,494 | 2 16 11 |
| | Totals up to date ... | 183,669 | 42,872 | 1,80,823 | 3,043 | 60 | 45,975 | 273 | 11,360 | 4 0 10 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 21st August 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 28,763 | 22,010 6 0 | 1,71,359 0 | 13,297 0 0 | 114 0 0 | 35,421 0 0 | 10,118 | 3,161 | 13,27 |
| Or per mile of railway ... ... | ..... | 135 9 0 | ..... | 81 14 4 | 0 11 3 | 218 2 7 | ..... | ... .. | ... |
| For previous 6¾ weeks of half-year | 187,008 | 1,51,817 0 0 | 8,45,315 0 | [illegible]31 0 0 | 796 0 0 | 2,18,044 0 0 | 62,520 | 19,351 | 81,871 |
| Total for 7¾ weeks ... | 215,771 | 1,73,827 0 0 | 10,16,674 | 78,728 0 0 | 910 0 0 | 2,53,465 0 0 | 72,638 | 22,512 | 95,150 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 25,044 | 18,47[illegible] 2 6 | 1,59,312 30 | 12,247 11 0 | 42 7 3 | 30,767 4 9 | 11,468 | 3,875 | 15,343 |
| Per mile of railway corresponding week of previous year. | ..... | 113 12 10 | ..... | 75 7 0 | 0 4 2 | 189 8 0 | ..... | ..... | ..... |
| Total for corresponding 7¾ weeks of previous year. | 235,764 | 1,60,902 9 0 | 15,86,909 10 | 1,08,770 2 4 | 279 4 0 | 2,70,011 15 4 | 88,182 | 33,483 | 121,665 |

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,137 | [illegible]656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 28,637 | 22,294 | 1,31,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 0 9 |
| 162·36 | " " 24th " ... | 28,008 | 22,701 | 1,31,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | 21,989 | 1,20,451 | 9,200 | 114 | 31,393 | 193 | 12,862 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | " " 14th " ... | 30,222 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | " " 21st " ... | 28,763 | 22,010 | 1,71,359 | 13,297 | 114 | 35,421 | 218 | 13,279 | 2 10 8 |
| | Totals up to date ... | 215,771 | 1,73,827 | 10,16,674 | 78,728 | 910 | 2,53,465 | 210 | 95,150 | 2 10 7 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,788 | 33,202 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | " " 25th " ... | 20,531 | 21,315 | 2,04,269 | 13,[illegible] | 36 | 34,485 | 212 | 16,085 | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,129 | 20,102 | 2,28,869 | 15,659 | 27 | 35,788 | 220 | 16,248 | 2 3 3 |
| 162·36 | " " 8th " ... | 31,133 | 22,623 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | " " 15th " ... | 31,051 | 22,461 | 1,73,774 | 13,198 | 32 | 35,691 | 220 | 15,581 | 2 4 8 |
| 162·36 | " " 22nd " ... | 25,044 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| | Totals up to date ... | 235,764 | 1,60,902 | 15,86,909 | 1,08,770 | 280 | 2,70,012 | 220 | 121,665 | 2 3 6 |

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 28th August 1909 on 2,292·37 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 463,001 | 3,86,319 0 0 | 60,37,455 0 | 8,79,913 0 0 | 47,157 0 0 | 13,13,389 0 0 | 158,845 | 171,664 | 330,509 |
| Or per mile of railway ... ... | ... | 168 8 4 | ... | 383 13 6 | 20 9 2 | 572 15 0 | ... | ... | ... |
| For previous 7½ weeks of half-year | 3,781,899 | 31,90,594 0 0 | 4,12,03,311 0 | 63,71,547 0 0 | 3,47,357 0 0 | 99,09,498 0 0 | 1,186,014 | 1,239,122 | 2,425,136 |
| Total for 8½ weeks ... | 4,244,900 | 35,76,913 0 0 | 4,72,40,766 0 | 72,51,460 0 0 | 3,94,514 0 0 | 1,12,22,887 0 0 | 1,344,859 | 1,410,786 | 2,755,645 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... .... | 444,837 | 3,61,500 7 3 | 75,35,936 0 | 10,80,205 9 3 | 45,859 10 2 | 14,87,565 10 8 | 163,353 | 219,159 | 382,512 |
| Per mile of railway corresponding week of previous year ... .. | ... | 157 11 2 | ... | 471 3 5 | 20 0 1 | 648 14 8 | .. | ... | . |
| Total for corresponding 8½ weeks of previous year ... ... ... | 4,395,165 | 36,45,330 11 11 | 6,19,74,064 0 | 89,90,236 11 0 | 3,60,740 14 1 | 1,29,96,308 5 0 | 1,369,365 | 1,884,460 | 3,253,825 |

(a) The decrease is chiefly in coal.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 16,33,303 | 88,76,828 | 14,22,529 | 67,305 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 502,716 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,363 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, ... | 473,208 | 3,95,111 | 55,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,000 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,669 | 47,157 | 12,63,019 | 551 | 317,499 | 3 15 8 |
| 2,292·37 | ,, ,, 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,596 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,496 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,264 | 47,157 | 12,27,302 | 535 | 318,498 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | 463,001 | 3,86,319 | 60,37,455 | 8,79,913 | 47,157 | 13,13,389 | 573 | 330,509 | 3 15 7 |
| | Totals up to date ... | 4,244,900 | 35,76,913 | 4,72,40,766 | 72,51,460 | 3,94,514 | 1,12,22,887 | 581 | 2,755,645 | 4 1 [illegible] |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,87,408 | 55,759 | 24,27,792 | 1,059 | 597,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, ... | 519,876 | 4,37,456 | 68,40,536 | 10,[illegible]84 | 42,342 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,513 | 45,468 | 15,45,652 | 674 | 377,687 | 4 1 6 |
| 2,292·38 | ,, ,, 1st Aug. ... | 407,536 | 4,13,416 | 69,17,570 | 10,92,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | ,, ,, 8th ,, ... | 507,181 | 4,48,391 | 67,89,405 | 10,53,817 | 45,6[illegible] | 15,47,901 | 675 | 376,094 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,92,535 | 41,[illegible] | 14,69,138 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 463,462 | 3,89,030 | 84,46,451 | 10,[illegible],897 | [illegible],727 | 14,80,654 | 645 | 374,633 | 3 15 5 |
| 2,292·38 | ,, ,, 29th ,, ... | 444,837 | 3,61,500 | 75,35,936 | 10,80,205 | [illegible],859 | 14,87,565 | 649 | 382,512 | 3 14 3 |
| | Totals up to date ... | 4,395,165 | 36,45,330 | 6,19,74,064 | 89,90,237 | 3,60,741 | 1,29,96,308 | 661 | 3,253,825 | 3 15 11 |

## TARKESSUR BRANCH RA[illegible]WAY.

*Approximate Return of Traffic for week ended 28[illegible] on 29·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 17,599 | 3,848 0 0 | 8,694 0 | 357 0 0 | 13 0 0 | 3,718 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 160 11 11 | ..... | 16 1 2 | 0 9 4 | 167 6 5 | ... .. | ..... | ... |
| For previous 7½ weeks of half-year | 158,644 | 35,487 0 0 | 85,496 0 | 3,299 0 0 | 89 0 0 | 38,875 0 0 | 9,978 | 1,154 | 111,[illegible] |
| Total for 8½ weeks ... | 176,243 | 38,885 0 0 | 94,190 0 | 3,656 0 0 | 102 0 0 | 42,593 0 0 | 11,315 | 1,313 | 12,62[illegible] |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 17,754 | 3,834 5 4 | [illegible]790 30 | 277 10 0 | 4 2 6 | 4,106 1 10 | 1,375 | 326 | 1,70[illegible] |
| Per mile of railway corresponding week of previous year. | ..... | 172 3 0 | ..... | 12 8 0 | 0 3 0 | 184 14 0 | ..... | ..... | ..... |
| Total for corresponding 8½ weeks of previous year. | 201,423 | 46,696 4 2 | 1,90,613 10 | 3,320 14 0 | 63 10 3 | 50,080 12 5 | 11,653 | 1,398 | 13,051 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 26,504 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " .. | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 3,961 | 13,809 | 419 | 13 | 4,393 | 198 | 1,542 | 2 13 8 |
| 22·21 | " " 7th Aug. ... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| 22·21 | " " 14th " ... | 18,386 | 4,077 | 8,346 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| 22·21 | " " 21st " ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,496 | 2 13 0 |
| 22·21 | " " 28th " ... | 17,599 | 3,348 | 8,694 | 357 | 13 | 3,718 | 167 | 1,496 | 2 7 9 |
| | Totals up to date ... | 176,243 | 38,835 | 94,190 | 3,656 | 102 | 42,593 | 228 | 12,636 | 3 6 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,448 | 592 | 12 | 12,295 | 554 | 2,250 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 38,704 | 738 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 20,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | " " 1st Aug. ... | 19,748 | 4,432 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,736 | 54,479 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | " " 15th " ... | 23,856 | 5,600 | 14,492 | 314 | 18 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | " " 22nd " ... | 16,105 | 3,739 | 6,289 | 269 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | " " 29th " ... | 17,754 | 3,824 | 9,730 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| | Totals up to date ... | 2,01,423 | 46,696 | 1,90,613 | 3,321 | 64 | 50,081 | 263 | 13,051 | 3 13 5 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 28th August 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 27,948 | 22,032 0 0 | 1,39,919 0 | 10,699 0 0 | 114 0 0 | 32,845 0 0 | 10,111 | 3,143 | 13,254 |
| Or per mile of railway ... ... | ... | 135 11 2 | ... | 65 14 4 | 0 11 3 | 202 4 9 | ... | ... | ... |
| For previous 7½ weeks of half-year. | 215,771 | 1,73,827 0 0 | 10,16,674 0 | 78,738 0 0 | 910 0 0 | 2,53,465 0 0 | 72,638 | 22,512 | 95,150 |
| Total for 8½ weeks ... | 243,719 | 1,95,859 0 0 | 11,56,593 0 | 89,427 0 0 | 1,024 0 0 | 2,86,310 0 0 | 82,749 | 25,655 | 108,404 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 26,843 | 18,889 10 3 | 2,4[illegible],607 10 | 13,760 10 0 | 38 10 6 | 34,698 14 9 | 12,117 | 4,101 | 16,218 |
| Per mile of railway corresponding week of previous year ... | ... | 116 5 6 | ... | 97 1 2 | 0 3 10 | 213 10 6 | ... | ... | ... |
| Total for corresponding 8½ weeks of previous year ... | 252,607 | 1,79,852 3 3 | 18,34,176 20 | 1,24,530 12 4 | 317 14 6 | 3,04,700 14 1 | 100,299 | 37,584 | 137,883 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,129 | 33,656 | 1,55,737 | 13,444 | 200 | 47,300 | 291 | 16,336 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 25,837 | 25,29[illegible] | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,256 | 2 9 9 |
| 162·36 | " " 24th " ... | 28,008 | [illegible] | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,033 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | [illegible] | 1,26,441 | 9,230 | 114 | 31,393 | 193 | 13,863 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | [illegible] | 1,[illegible] | 11,791 | 114 | 35,949 | 221 | 12,916 | 2 13 5 |
| 162·36 | " " 14th " ... | 30,222 | [illegible],153 | 1,50,[illegible] | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | " " 21st " ... | 29,763 | 22,010 | 1,71,359 | 13,297 | 114 | 35,421 | 218 | 13,379 | 2 10 8 |
| 162·36 | " " 28th " ... | 27,948 | 22,032 | 1,69,919 | 10,699 | 114 | 32,845 | 202 | 13,254 | 2 7 8 |
| | Totals up to date ... | 243,719 | 1,95,859 | 11,56,593 | 89,427 | 1,024 | 2,86,310 | 209 | 108,404 | 2 10 3 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,788 | 33,292 | 3,42,317 | 23,538 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | " " 25th " ... | 29,531 | 21,315 | 2,04,269 | 13,154 | 36 | 34,485 | 212 | 16,095 | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,129 | 20,102 | 2,28,869 | 15,659 | 27 | 35,788 | 220 | 16,246 | 2 3 3 |
| 162·36 | " " 8th " ... | 31,133 | 22,623 | 2,39,471 | 17,[illegible]84 | 30 | 39,307 | 245 | 16,784 | 2 5 11 |
| 162·36 | " " 15th " ... | 31,051 | 22,462 | 1,73,774 | 13,198 | 32 | 35,692 | 220 | 15,561 | 2 4 8 |
| 162·36 | " " 22nd " ... | 25,941 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | " " 29th " ... | 26,843 | 18,890 | 2,47,267 | 15,761 | 33 | 34,689 | 214 | 16,218 | 2 2 3 |
| | Totals up to date ... | 252,607 | 1,79,852 | 18,34,176 | 1,31,531 | 318 | 3,04,701 | 219 | 137,883 | 2 3 4 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 28th August 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 48,500 | 33,000 0 0 | 314,000 0 | 50,000 0 0 | 3,500 0 0 | 86,500 0 0 | 14,738 | 18,481 | 33,209 |
| Or per mile of railway ... ... | 63·15 | 42·97 | 407·26 | 64·85 | 4·54 | 112·36 | 19·18 | 23·97 | 43·15 |
| For previous 8 weeks of half-year ... ... ... ... | 404,500 | 2,67,000 0 0 | 1,903,500 0 | 3,19,000 0 0 | 25,500 0 0 | 6,11,500 0 0 | 106,467 | 139,428 | 245,895 |
| Total for 9 weeks ... | 453,000 | 3,00,000 0 0 | 2,217,500 0 | 3,69,000 0 0 | 29,000 0 0 | 6,98,000 0 0 | 121,215 | 157,889 | 279,104 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 47,266 | 30,299 0 0 | 243,603 0 | 46,995 0 0 | 3,731 0 0 | 81,025 0 0 | 15,154 | 23,134 | 38,288 |
| Per mile of railway corresponding week of previous year ... | 61·54 | 39·45 | 322·44 | 60·95 | 4·84 | 105·24 | 19·73 | 30·01 | 49·74 |
| Total to corresponding date of previous year ... ... ... | 423,537 | 2,53,126 0 0 | 2,267,364 0 | 3,87,399 0 0 | 33,797 0 0 | 6,74,322 0 0 | 135,831 | 168,636 | 304,467 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 28th August 1909. | | | Receipts for week ending 29th August 1908. | | | Total receipts from 1st April 1909 to 28th August 1909. | | | Total receipts from 1st April 1908 to 29th August 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 86,500 | 112·36 | 771 | 81,025 | 105·24 | 771 | 18,52,015 | ... | 771 | 17,76,341 | ... | 75,674 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 28th August 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 340,100 | (a) 1,30,640 | 682,067 | (b) 78,550 | [illegible] | 2,20,990 | 57,668 | (d) 31,677 | 89,345 |
| Or per mile of railway ... | 182·16 | 69·97 | 365·32 | [illegible] | [illegible]·13 | 123·19 | ..... | ..... | ..... |
| For previous 7¾ weeks of half-year ... ... ... ... | 2,526,640 | 9,04,810 | [illegible]98,010 | 7,26,050 | 1,37,190 | 17,68,050 | 433,215 | 251,685 | 684,900 |
| Total for 8¾ weeks ... | 2,866,740 | 10,35,450 | 6,680,070 | 8,04,630 | 1,57,960 | 19,98,040 | 490,883 | 283,362 | 774,245 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... | 301,831 | 1,07,609 | 1,023,519 | 1,00,504 | 28,359 | 2,36,472 | 60,326 | (e) 36,273 | 96,599 |
| Per mile of corresponding week of previous year ... ... ... | 168·53 | 60·08 | 571·43 | 56·12 | 15·83 | 132·03 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 2,813,834 | 10,95,002 | 8,237,013 | 9,13,790 | 2,11,878 | 22,19,670 | 506,395 | 342,089 | 848,484 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 2·27 | | 2·48 | ·23 | 2·57 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1·78 | | 2·77 | ·29 | 2·45 | | | |

(a) Increase under passengers due to Jhulan méla held earlier last year.
(b) Decrease mainly under local and foreign inwards.
(c) Ditto chiefly under sundries.
(d) Includes 7,830 miles of ballast trains.
(e) Ditto 7,810 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 28th August 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 349,080 | 1,48,850 0 0 | 3,299,680 0 | 4,57,850 0 0 | 66,140 0 0 | 6,72,840 0 0 | 76,502 | (d)98,651 | 175,153 |
| Or per mile of railway ... ... | (a)260 | (a)111 0 0 | 2,204 0 | 306 0 0 | (c)32 0 0 | (c)437 0 0 | ... | ... | ... |
| For previous 8 weeks of half-year ... ... ... ... | 3,326,620 | 12,29,410 0 0 | 11,909,670 0 | 18,11,160 0 0 | 1,61,340 0 0 | 32,01,910 0 0 | 572,600 | 351,160 | 923,760 |
| Total for 9 weeks ... | 3,675,700 | 13,78,260 0 0 | 15,209,350 0 | 22,69,010 0 0 | 2,27,480 0 0 | 38,74,750 0 0 | 649,102 | 449,811 | 1,098,913 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 352,950 | 1,59,059 0 0 | (e)4,401,427 0 | 4,35,974 0 0 | 65,688 0 0 | 6,60,721 0 0 | 72,922 | 102,610 | 175,532 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)287 | (b)129 0 0 | 3,455 0 | 342 0 0 | 37 0 0 | 504 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 3,960,896 | 14,90,274 0 0 | 17,251,274 0 | 22,39,076 0 0 | 2,22,118 0 0 | 39,51,468 0 0 | 638,789 | 440,562 | 1,079,351 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding steamer earnings, Rs. 18,900.
(d) Including ballast train-miles 43,890 and earnings Rs. 20,000.
(e) Includes heavy weights for Locomotive coal traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 28th August 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 34,030 | 9,180 0 0 | 110,520 0 | 6,980 0 0 | 170 0 0 | 15,330 0 0 | 5,308 | (a)3,644 | 8,952 |
| Or per mile of railway ... | 396 | 107 0 0 | 1,285 0 | 69 0 0 | 2 0 0 | 178 0 0 | ... | ... | ... |
| For previous 8 weeks of half-year ... ... ... ... | 282,870 | 73,750 0 0 | 288,180 0 | 22,040 0 0 | 1,620 0 0 | 97,410 0 0 | 41,312 | 8,550 | 49,862 |
| Total for 9 weeks ... | 316,900 | 82,930 0 0 | 398,700 0 | 29,020 0 0 | 1,790 0 0 | 1,12,740 0 0 | 46,520 | 12,194 | 58,714 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 41,212 | 13,1[illegible] 0 0 | 181,919 0 | 8,996 0 0 | 745 0 0 | 22,866 0 0 | 5,656 | 2,824 | 8,480 |
| Per mile of railway corresponding week of previous year ... | 479 | 153 [illegible] 0 | 2,115 0 | 104 0 0 | 9 0 0 | 266 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 403,669 | 1,07,538 [illegible] 0 | 638,747 0 | 38,145 0 0 | 2,289 0 0 | 1,47,972 0 0 | 48,550 | 14,369 | 62,919 |

(a) Includes ballast train-miles, 2,300.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 28th August 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,650 | 1,350 0 0 | 22,920 0 | 1,440 0 0 | 10 0 0 | 2,800 0 0 | 462 | (a)5,346 | 5,808 |
| Or per mile of railway ... ... | 109 | 40 0 0 | 682 0 | 43 0 0 | ..... | 83 0 0 | ... | ... | ... |
| For previous 8 weeks of half-year ... ... ... ... | 24,700 | 9,790 0 0 | 121,650 0 | 10,530 0 0 | 80 0 0 | 20,400 0 0 | 3,304 | 13,474 | 16,778 |
| Total for 9 weeks ... | 28,350 | 11,140 0 0 | 144,570 0 | 11,970 0 0 | 90 0 0 | 23,200 0 0 | 3,766 | 18,820 | 22,586 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,864 | 1,364 0 0 | (b)36,323 0 | 2,111 0 0 | 18 0 0 | 3,493 0 0 | 462 | 5,584 | 6,046 |
| Per mile of railway corresponding week of previous year ... | 115 | 41 0 0 | 1,081 0 | 63 0 0 | ..... | 104 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 32,404 | 12,363 0 0 | 210,679 0 | 17,888 0 0 | 106 0 0 | 30,357 0 0 | 3,829 | 16,474 | 20,303 |

(a) Includes ballast train-miles, 4,548.
(b) Includes heavy weights for Loco. Coal traffic.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 28th August 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 11,930 | 3,400 0 0 | 34,450 0 | 3,940 0 0 | 40 0 0 | 7,380 0 0 | 1,540 | (a) 703 | 2,243 |
| Or per mile of railway ... | 221 | 63 0 0 | 638 0 | 73 0 0 | 1 0 0 | 137 0 0 | .. | ... | |
| For previous 8 weeks of half-year ... ... ... ... | 82,210 | 25,040 0 0 | 443,840 0 | 13,800 0 0 | 180 0 0 | 39,020 0 0 | 14,850 | 3,219 | 18,069 |
| Total for 9 weeks ... | 94,140 | 28,440 0 0 | 278,290 0 | 17,740 0 0 | 220 0 0 | 46,400 0 0 | 16,390 | 3,922 | 20,312 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 14,203 | 3,810 0 0 | 42,832 0 | 4,590 0 0 | 30 0 0 | 8,430 0 0 | 1,974 | 1,008 | 2,982 |
| Per mile of railway corresponding week of previous year ... | 263 | 70 0 0 | 793 0 | 85 0 0 | 1 0 0 | 156 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... ... | 117,388 | 34,875 0 0 | 261,581 0 | 17,645 0 0 | 245 0 0 | 52,765 0 0 | 17,041 | 4,110 | 21,151 |

(a) Ballast train-miles, *Nil*.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ending 4th September 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 407,010 | 1,61,160 0 0 | 2,657,920 0 | 3,99,840 0 0 | 23,300 0 0 | 5,84,300 0 0 | 77,465 | (d)68,170 | 129,635 |
| Or per mile of railway ... .. | (a) 303 | (a) 120 0 0 | 1,375 0 | 267 0 0 | (c)1 0 0 | (c)376 0 0 | ..... | ..... | ..... |
| For previous 9 weeks of half-year ... ... ... ... | 3,675,700 | 13,78,260 0 0 | 15,209,350 0 | 22,69,010 0 0 | 2,27,480 0 0 | 38,74,750 0 0 | 649,102 | 449,811 | 1,098,913 |
| Total for 10 weeks .. | 4,082,710 | 15,39,420 0 0 | 17,267,270 0 | 26,68,850 0 0 | 2,50,780 0 0 | 44,59,050 0 0 | 726,567 | 501,981 | 1,228,548 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 515,405 | 1,75,716 0 0 | 1,878,576 0 | 3,72,559 0 0 | 22,105 0 0 | 5,70,380 0 0 | 73,634 | 52,596 | 126,230 |
| Per mile of railway corresponding week of previous year (1,374 miles) ... ... ... | (b) 419 | (b) 143 0 0 | 1,475 0 | 292 0 0 | 2 0 0 | 432 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 4,476,301 | 16,65,990 0 0 | 19,129,850 0 | 26,11,635 0 0 | 2,44,233 0 0 | 45,21,848 0 0 | 712,423 | 493,158 | 1,205,581 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding Steamer earnings, Rs. 21,300.
(d) Excluding ballast train-miles, Rs. 10,9 1.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending [illegible]mber 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 32,410 | 9,440 0 0 | 70,160 0 | 5,470 0 0 | 170 0 0 | 15,080 0 0 | 5,208 | (a) 1,344 | 6,552 |
| Or per mile of railway ... | 377 | 110 0 0 | 816 0 | 63 0 0 | 2 0 0 | 175 0 0 | ..... | ..... | ..... |
| For previous 9 weeks of half-year ... ... ... ... | 316,900 | 82,930 0 0 | 398,700 0 | 28,020 0 0 | 1,790 0 0 | 1,12,740 0 0 | 46,520 | 12,194 | 58,714 |
| Total for 10 weeks ... | 349,310 | 92,370 0 0 | 468,860 0 | 33,490 0 0 | 1,960 0 0 | 1,27,820 0 0 | 51,728 | 13,538 | 65,266 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 52,113 | 13,241 0 0 | 82,314 0 | 7,215 0 0 | 64 0 0 | 20,520 0 0 | 5,656 | 1,344 | 7,000 |
| Per mile of railway corresponding week of previous year ... | 606 | 154 0 0 | 957 0 | 84 0 0 | 1 0 0 | 239 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 455,783 | 1,20,779 0 0 | 721,061 0 | 45,360 0 0 | 2,353 0 0 | 1,68,492 0 0 | 54,206 | 15,713 | 69,919 |

(a) Excluding ballast train-miles, 600.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 4th September 1909, on 35·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,830 | 1,420 0 0 | 18,410 8 | 1,320 0 0 | 10 0 0 | 2,750 0 0 | 420 | (a) 906 | 1,326 |
| Or per mile of railway ... | 114 | 42 0 0 | 548 0 | 39 0 0 | 1 0 0 | 82 0 0 | ..... | ..... | ..... |
| For previous 9 weeks of half-year ... ... ... ... | 28,350 | 11,140 0 0 | 1,44,570 0 | 11,970 0 0 | 90 0 0 | 23,200 0 0 | 3,766 | 18,820 | 22,586 |
| Total for 10 weeks ... | 32,180 | 12,560 0 0 | 1,62,980 0 | 13,290 0 0 | 100 0 0 | 25,950 0 0 | 4,186 | 19,726 | 23,914 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 3,600 | 1,302 0 0 | 21,317 0 | 1,762 0 0 | 7 0 0 | 3,071 0 0 | 420 | 840 | 1,260 |
| Per mile of railway corresponding week of previous year ... | 113 | 39 0 0 | 631 0 | 53 ' ' | ....0 | 91 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year .. . . | 36,204 | 13,665 0 0 | 2,31,896 0 | 19,650 0 0 | 113 0 0 | 33,428 0 0 | 4,249 | 17,314 | 21,563 |

(a) Excluding ballast train-miles, 906.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 4th September 1909 on 54 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 12,990 | 3,130 0 0 | 55,020 0 | 3,990 0 0 | 30 0 0 | 7,150 0 0 | 1,540 | (a) 692 | 2,232 |
| Or per mile of railway ... ... | 241 | 58 0 0 | 1,019 0 | 74 0 0 | ..... | 132 0 0 | ..... | ..... | ..... |
| For previous 9 weeks of half-year ... ... ... ... | 94,140 | 28,440 0 0 | 278,290 0 | 17,740 0 0 | 220 0 0 | 46,400 0 0 | 16,390 | 3,922 | 20,312 |
| Total for 10 weeks ... | 107,130 | 31,570 0 0 | 333,310 0 | 21,730 0 0 | 250 0 0 | 53,550 0 0 | 17,930 | 4,614 | 22,544 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 14,616 | 3,813 0 0 | 64,905 0 | 3,955 0 0 | 46 0 0 | 7,814 0 0 | 1,967 | 1,0.5 | 2,982 |
| Per mile of railway corresponding week of previous year ... ... | 271 | 71 0 0 | 1,202 0 | 73 0 0 | 1 0 0 | 145 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 131,004 | 38,6[illegible] 0 0 | 396,486 0 | 21,600 0 0 | 202 0 0 | 60,579 0 0 | 19,008 | 5,125 | 24,133 |

(a) Ballast train-miles, nil.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending [illegible] September 1909 ... | Coaching ... | 9,835 0 0 | 20,001 0 0 |
| | Goods ... | 1 ,137 0 0 | |
| | Other earnings ... | 39 0 0 | |
| Audited earnings for the corresponding [illegible] ... | Coaching ... | 6,754 0 0 | 15,787 0 0 |
| | Goods .. | 8,992 0 0 | |
| | Other earnings ... | 41 0 0 | |
| | Increase ... | | 4,214 0 0 |
| Receipts per mile for the week ending 4th September 1909 ... ... ... ... | | | 392 2 10 |
| Ditto for the corresponding period of 1908 ... ... . ... | | | 309 8 9 |
| | Increase ... | | 82 10 1 |
| Receipts from 1st July to 4th September 1909 ... ... ... ... ... | | | 1,58,3[illegible]7 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... ... | | | 1,45,442 0 0 |
| | Increase ... | | 12,955 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 15th September 1909.

REGISTERED No. C 209.]

No. 38 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 22, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| The International Agricultural Exhibition to be held at Palermo (Buenos Aires in 1910) ... ... .. | 1383—1391 |
| Final Report on the Jute Crop of Bengal, September 1909 ... ... ... ... ... ... ... | 1392—1403 |
| Monthly Weather and Crop Report of Bengal for August 1909 ... ... ... ... ... ... ... | 1404—1405 |
| Weather and Crop Report for the week ending the 20th September 1909 ... ... ... ... ... | 1406—1411 |
| Table of Rainfall recorded at stations in Bengal in August 1909 ... ... ... .. ... ... ... | 1412—1419 |
| District Rainfall Table of the Province of Bengal for August 1909 ... ... ... ... ... ... ... | 1420—1421 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the three months of April to June 1909 ... ... ... ... ... | 1422—1428 |
| Vital Statistics of Districts and Towns in Bengal for the month of July 1909 ... ... ... ... ... | 1429—1430 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 18th September 1909 ... ... ... ... ... ... ... | 1431 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of August 1909 ... ... ... ... ... ... ... | 1432 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th September 1909 ... ... ... ... ... ... ... | 1433 |
| Railway Returns ... ... ... ... ... ... | 1434—1440 |

## THE INTERNATIONAL AGRICULTURAL EXHIBITION TO BE HELD AT PALERMO (BUENOS AIRES) IN 1910.

*The 16th September 1909.*—The following is republished for general information.

C. G. H. ALLEN,
*Offg. Chief Secy. to the Govt. of Bengal.*

No. 6640—6662—12, dated Simla, the 7th September 1909.

RESOLUTION—By the Govt. of India, Dept. of Commerce and Industry.

THE following papers relative to the International Agricultural Exhibition which is to be held at Palermo (Buenos Aires) in 1910 are published for general information. The Government of India have decided not to participate in the exhibition:—

### GENERAL RULES AND REGULATIONS.

*Article 1.*—The International Agricultural Exhibition of 1910 to be held in the grounds of the Argentine Rural Society at Palermo (Buenos Aires) will be opened to the public on Friday, 3rd June 1910, and closed on Sunday, 31st July of the same year.

The show of breeding stock will be held from the 3rd to the 25th June; that of fat stock from the 9th to the 14th July. Dates for other competitions will be arranged by the Executive Committee.

*Article 2.*—The Exhibition will be divided as follows:—

1.—Live-stock Show.
2.—Agricultural Show.

The Live-stock Show will comprise four special classes of exhibits—

1.—Breeding stock.
2.—Fat stock.
3.—Dairy stock.
4.—Draft animals.

In addition, jumping and harness competitions, etc., will be held in accordance with the rules which the Executive Committee will publish in due course.

The Agricultural Show will be sub-divided into eight sections—

1.—Geology, Hydrology, Climatology and Geography in relation to Agriculture.
2.—Machinery and implements.
3.—Rural Engineering.
4.—Vegetable products.
5.—Animal products.
6.—Industrial products.
7.—Means of promoting agriculture.
8.—Special section for Seeds.

*Article 3.*—Exhibits of all classes of farm stock, bred in the Republic or abroad, included in the Schedule, will be received for the Live-stock Show subject to the regulations and restrictions imposed by the law of sanitary inspection of animals.

*Article 4.*—Exhibits will be received of all classes of agricultural products (seeds plants, products, etc.), and of their first processes of transformation and sub-products grown or prepared in the Republic or abroad and also of all classes of machinery, tools installations for rural industries, and other implements connected with same.

*Article 5.*—Exhibits will also be received of all classes of books or works relating to agriculture; plans, drawings, engravings, illustrations, photographs, meteorological charts, diagrams and statistical tables; studies, projects or models, connected with rural engineering work; material, documents and treatises on agricultural instruction; means of promoting same, legislation, rural economy, etc.

*Article 6.*—The live-stock show will be held in the large and commodious pavilions in the exhibition grounds of the Argentine Rural Society at Palermo and in others to be provided for the same purpose.

*Article 7.*—The show of agricultural products, machinery, etc., will be held in special pavilions to be erected for the purpose in the exhibition grounds. The pavilion for agricultural and industrial products will be furnished with show-cases in which the collections of samples may be arranged in accordance with the classification established in the general regulations.

*Article 8.*—Exhibitors may put up, at their own cost, special stands or fittings for a general display of different classes of products, subject to the rules established for such cases.

*Article 9.*—The space occupied by exhibitors in the general pavilions will be provided free of charge; but no work or fitting can be done by them in these pavilions or in the special sites assigned to them without previous submission to the Executive Committee of the plans, sketches or explanations regarding the work they propose to carry out.

## ENTRIES AND APPLICATION FOR SPACE.

*Article 10.*—Entries and application for space may be written in Spanish, French, English, German or Italian, and should be addressed to the SECRETARIO DE LA EXPOSICIÓN INTERNACIONAL DE AGRICULTURA DE 1910. FLORIDA 316—BUENOS AIRES—REPÚBLICA ARGENTINA. These entries or applications for space must be made on the printed forms which the Secretariat of the Exhibition will furnish to all persons who may apply for them at the offices of the Rural Society at the address mentioned, or to the Argentine Legations and Consulates abroad. Entries and applications abroad can be presented at the Argentine Legations and Consulates General on the same dates and under the same conditions as any others.

*Article 11.*—Entries and applications for space will be received as follows:—

1.—(A) Live-stock from abroad up to 1st February 1910.
(B) Live-stock from the Argentine Republic up to 1st April 1910.
2.—(A) Other exhibits from abroad up to 1st November 1909.
(B) Other exhibits from the Argentine Republic up to 31st December 1909.

The Executive Committee may modify these dates with regard to the special section of jumping and harness competitions, etc., mentioned in Article 2.

*Article 12.*—For applications of space for agricultural and industrial products, machinery, etc., the following data must be furnished :—

(*a*) Country of production or manufacture; (*b*) state, province or county; (*c*) township or borough; (*d*) locality; (*e*) name of establishment where produced; (*f*) name of proprietor or manufacturer; (*g*) postal address; (*h*) description of article; (*i*) space required (square metres of floor or wall space); (*j*) date; (*k*) signature of exhibitor; (*l*) any other illustrative data referring to exhibit.

*Article 13.*—In the live-stock entries the following data must be furnished :—

(*a*) Country where bred; (*b*) state, province or county; (*c*) township or borough; (*d*) locality; (*e*) name of establishment; (*f*) name of breeder; (*g*) owner; (*h*) species; (*i*) breed; (*j*) variety; (*k*) name of animal; (*l*) name or number of sire and dam; (*m*) sex; (*n*) colour; (*o*) date of birth; (*p*) number in private register and number in official register if entered; (*q*) state if for sale, and if so, name of person encharged with same; (*r*) date; (*s*) signature of exhibitor; (*t*) postal address.

*Article 14.*—It is absolutely necessary that the entry forms be filled in with the data required.

*Article 15.*—The Executive Committee may refuse entries not made out on said forms or those in which some of the required data have been omitted, as also those sent after closing date or not in the conditions established in the Schedule. In no case is the Committee bound to give the reasons for its resolutions.

*Article 16.*—In granting space, the Executive Committee may establish limitations as to number or reduction of space requisitioned, should the area disposable require such limitations.

*Article 17.*—Should the entries of live-stock be in excess of the disposable stalls, the Executive Committee reserves the right to limit their number, even after the entry may have been accepted, distributing the stalls *pro rata*.

The *pro rata* established by this article does not alter the preference to occupy the stalls accorded to animals eligible for entry in the Registers of the Argentine Rural Society, and secondarily to those not eligible.

*Article 18.*—The General Commissioners, each in his respective division, are empowered to reject or to install in their corresponding places, any exhibits not presented in accordance with respective entry forms.

*Article 19.*—In the classes of live-stock where pure-bred animals are allowed to compete with grades or cross-breds, the breed whose characteristics predominate, in the opinion of the exhibitor, will serve as a basis for the entry in the register of acceptance.

*Article 20.*—So soon as the entries of live-stock have been closed, the Executive Committee will establish, by lot, the order in the catalogue and also the sequence of the sales.

## FORWARDING AN INSTALLATION OF EXHIBITS.

*Article 21.*—All packages intended for the Exhibition must bear as a distinguishing mark the following inscription : **Exposicion Internacional de Agricultura de 1910**—and under this—**Buenos Aires (Republica Argentina)**, and in addition on two sides of package, a mark showing to what *section* the exhibit belongs.

*Article 22.*—All exhibits from abroad should be consigned to the order of the GERENTE DE LA SOCIEDAD RURAL ARGENTINA, *Florida 316—Buenos Aires (Republica Argentina)*—all charges for freight, discharge, cartage, etc., being for account of exhibitor. Such exhibits will be admitted free of Custom duties, but should they be sold or require to be removed from the Exhibition, the corresponding duties must be paid beforehand. Exhibits reshipped for abroad will not be required to pay duty. In all cases the exhibits will be subject to the regulations of the Custom House authorities.

*Article 23.*—Representatives in Buenos Aires, named by foreign exhibitors, and by those of the interior of the Republic, must attend to the despatch, transport and reception of the packages, and also to the verification of the contents.

Exhibitors not having a representative or agent in Buenos Aires can send their exhibits to the Show consigned to the SEÑOR GERENTE DE LA SOCIEDAD RURAL ARGENTINA.

*Article 24.*—Samples of seeds and grain in general, flour, earths, fertilisers, etc., should be sent in quantities of not less than three kilogrammes of each class, and it is recommended that the samples of grain and flour be packed in tin or at least in small canvas bags made up in tin-lined boxes. Samples of plants, forage, ears and cobs, pods, etc., should be sent in sufficient quantity to allow of a due appreciation of the product.

*Article 25.*—Samples of timber should be sent in fair sized pieces, showing longitudinal and cut cross sections and, if possible, with bark in natural state.

In certain cases it would be well to send boards or planks at least of one metre in length showing part polished and part simply planed and smoothed.

*Article 26.*—Wines, spirits, and beverages in general should be sent in quantities of at least three bottles and in packages commonly used for such goods.

*Article 27.*—In each parcel, package or case, containing samples, a duplicate of the corresponding entry form should be sent. In addition each sample should contain a card or label with any particulars the exhibitor may consider convenient to add.

*Article 28.*—The Commissioners of the respective sections can order the removal of any exhibits which, from their nature or appearance, may be injurious or incompatible with the object and fitness of the Exhibition.

*Article 29.*—In the distribution of space in the pavilions the section Stewards will take into consideration for their arrangement the dates of the entries and the importance of the exhibits.

## DATES FOR COMPLETION OF ARRANGEMENTS, ETC.

*Article 30.*—The arrangement of the exhibits in general, machinery, etc., must be completed in every detail ten days before the opening of the Exhibition.

*Article 31.*—Live-stock should be in their places, under their corresponding catalogue number, four days before that on which the judging for the respective sections shall have been arranged to commence, entry being allowed beforehand, but not more than ten days.

## SHOW-CASES, VESSELS, SPECIAL BUILDINGS, STANDS, FITTINGS, ETC.

*Article 32.*—Jars, etc.,—for grain, flour and all other classes of exhibits that require to be shown in glass vessels—will be provided, free of charge, by the management of the Exhibition.

In the case of private buildings, stands or fittings, exhibitors must provide their own jars, etc.

*Article 33.*—The management of the Exhibition will furnish upright and horizontal glass cases in the pavilions provided for the general show of agricultural products in their natural and manufactured state, not intended to be shown in special stands or fittings.

*Article 34.*—In the machinery pavilion the management will hand over the ground space granted to each exhibitor, who will have to construct at his own risk and expense the stands, foundations for engines, etc., that may be required.

*Article 35.*—Exhibitors of apparatus, machinery or implements, who wish to show a collection of these in special buildings or stands, *apart from the obligatory exhibition in the corresponding pavilions*, may construct same, at their own cost, on the sites provided by the Executive Committee, should there be space disposable, subject to the prior intervention of the General Commissioner of the agricultural division. For this purpose the exhibitors, in their application for space, must state in detail the number and class of the machines, implements, etc., they intend to show, and also the type and power of the engines they will set up for the production of motive power.

## ADMISSION AND REMOVAL OF GENERAL EXHIBITS.

*Article 36.*—The Executive Committee having granted the space it may have resolved to concede, a printed form will be given to the exhibitor in which the grant of space will be confirmed.

Said form will have its corresponding counterfoil in the book kept for the purpose by the Management of the Exhibition. This form will contain, in addition to the number of the grant, the name of the exhibitor, the exhibits to be shown, where produced, the division, section and class to which they correspond.

*Article 37.*—On arrival at the Exhibition, the form, named in Article 36, must be presented; in default of same the exhibits will not be admitted. Should the form have been lost, the interested party should ask for a duplicate, at least 24 hours before sending in his exhibits.

*Article 38.*—The exhibits having been admitted, the exhibitor should apply to the respective Steward to be put in possession of the space allotted.

*Article 39.*—Machinery and other exhibits may be removed from the Exhibition after the withdrawal stamp shall have been placed on the necessary forms—checked and signed in conformity by the exhibitor or his representative.

*Article 40.*—The withdrawal forms will not be given until after the exhibitor or his representative shall have paid the amount he may be owing for any service or charge. With regard to exhibits on which duties have not been paid, these will not be allowed to be removed until the permit of the competent authorities shall have been presented.

*Article 41.*—No live-stock or other exhibit whatsoever will be allowed to be withdrawn until after the following dates.

*Live-stock.*—On the day after the closure of the show.

*Other exhibits.*—After the 1st August.

This does not apply to animals and any objects taking part in the jumping and harness competitions or any other special ones, such being allowed to come in and go out under the conditions to be expressly established hereafter.

*Article 42.*—The Exhibition having been closed, the live-stock and other exhibits should be removed with the least possible delay.

## ADMISSION AND REMOVAL OF LIVE-STOCK.

*Article 43.*—The conductors of live-stock intended for the Exhibition must present at the entrance the admission form, which should be in conformity with the counterfoil in respect to number, species, breed, sex and age.

Should there be any disconformity, the General Commissioner of Live-stock will reject the exhibits presented.

*Article 44.*—The above formality having been complied with and before admission be granted the official veterinary surgeons will examine each animal presented and will reject all suffering from contagious disease, making a written report on same to the General Commissioner of the Live-stock division.

*Article 45.*—A special Committee named by the Executive will be encharged with the duty of rejecting or of withdrawing any animal that in its opinion is not worthy of being shown.

*Article 46.*—For the removal of live-stock, after the closure of their respective shows, the exhibitor or consignee will present a form signed by him, in which should be stated the number of the lot, species and number of animals to be withdrawn, name of purchaser and amount of sale: said form will be exchanged for a removal order, specifying the stock being withdrawn, which should be signed and delivered up in the act of retiring the animals.

The removal of the animals should be carried out by the owner or consignee, and the cattle and horses must be provided with headstalls and halters of any kind, but of sufficient strength.

## CARETAKERS, FORAGE, ETC.

*Article 47.*—The exhibitors of live-stock must provide the necessary caretakers and shepherds, and also such articles as buckets, forks, currycombs, etc., required for their use. The cost of feed will also be for their account. The care, cleaning, feed and risk of the animals, even in the case of their having been sold, will be for account of the exhibitors up to 22 days after opening of the corresponding section of the Show, if they should remain on the premises, and they must provide the necessary staff. From that date forward these charges will be for account of the purchaser.

If in the opinion of the General Commissioner of the Live-stock division the exhibitors do not provide a sufficient number of caretakers, they will be requested to increase same. In case of non-compliance with this disposition, the Executive Committee will take on the men required, for account of said exhibitors, at the rate of ten dollars national currency per day for each man.

The caretakers must wear the uniform which the Management of the Show will provide at the price of fifteen dollars national currency, except in the case of their having a special livery approved of by the General Commissioner of the Live-stock division.

## SALES.

*Article 48.*—Any exhibit in the Show, either in the Live-stock division or in the Agricultural, may be sold privately or at auction.

As regards foreign exhibits—which, though subject to import duty, have not paid same on arrival,—sales will only be allowed after the Custom House authorities shall have assumed the corresponding intervention.

*Article 49.*—Exhibitors who shall have made sales, private or at auction, should give notice, on the day of sale, to the Management, of the exhibits sold, specifying class, catalogue number, prize and names of purchaser and vendor, and also—in the case of live-stock—the species, breed and sex of same.

*Article 50.*—The public sales of breeding stock will begin, simultaneously, on the day named by the Executive Committee, with the sheep, horses and other animals exhibited; these sales having come to an end, the auctions will continue with the breeding cattle.

The sales by public auction shall be commenced by the auctioneers on the second ringing of the bell as ordered by the General Commissioner of the Live-stock division and will be continued without any interval whatever during the hours and within the dates fixed by the Executive Committee.

Stock entered singly and sheep in groups will be sold according to order of breeders, beginning with the winners of the prizes as follows: the CHAMPIONSHIP—the GROUP prize—and then the winners of first, second and third prizes in the order of classes. The non-prize winners will be put up for sale after the above also in order of breeders as arranged by lot.

*Article 51.*—All sales made shall be subject to the condition that no animal disposed of shall be removed until the day after the closure of the section of the show to which it belongs.

## JUDGING.

*Article 52.*—Live-stock and other exhibits entered for competition will be examined by Judges—named by the Executive Committee of the Exhibition—who will award the prizes that in their opinion they merit.

Exhibitors cannot act as Judges for classes in which they have entered animals for competition; should they accept the nomination, their stock can only be shown as *not* for competition.

*Article 53.*—In case of absence or non-attendance of any Judge, the Executive Committee may name a substitute.

*Article 54.*—The Judges of Breeding Stock will begin their duties three days before the opening of the Exhibition and should have made their awards at latest before noon of the day appointed for that event; said awards to be handed, under cover, to the General Commissioner of the Live-stock division, who will then proceed to put up the cards showing in the case of each animal the awards it may have received.

*Article 55.*—The Judges of other exhibits will act on the dates the Executive Committee may name and will hand their awards, under cover, to the Commissary General of the corresponding division.

*Article 56.*—The awards of the Judges are final.

*Article 57.*—In the case of impossibility to award a prize on account of equal merit in exhibits competing, the Judges may award the same prize to each, without altering the other prizes of the class.

*Article 58.*—The Judges will be guided in their appreciation of the exhibits by the rules established for each case.

*Article 59.*—The Judges will not take into consideration any data beyond those stated in the entry forms In the case of live-stock, they may have them weighed or shorn if they should think expedient to do so, and they may also request veterinary inspection.

*Article 60.*—All breeding stock, before being placed before the Judges, must be examined by the official veterinary surgeons and any found affected by hereditary disease or unsoundness due to ill-conformation will not be sent into the judging ring, but will be removed immediately from the Exhibition premises.

*Article 61.*—The Judges may, or may not, award the prizes named in the Schedule; in the case of no prize being awarded to any exhibit in a class, they will declare the fact and give in writing the reason for so acting; they may add to the prizes named in the Schedule honorary mentions, numbered in order of merit, but not exceeding five.

*Article 62.*—All disrespect shown towards any group of Judges or to any member of same will be considered a grave violation of the regulations, and the General Commissioner of the respective division shall insist on the withdrawal from the Exhibition of the exhibits belonging to the offender or offenders, with loss of their admission cards.

Should the offender be a member of the Argentine Rural Society, the Board of Directors of same may, by a vote of two-thirds of its members, remove his name from the list of members.

*Article 63.*—The Judges may not create any other classes beyond those enumerated in the Schedule, nor divide any of them; but in case of entries being received of exhibits, for competition, not included in any of the classes named in the Schedule, the Executive Committee may admit them, authorizing the Judges of the corresponding Section Class to award them the prizes they may merit.

*Article 64.*—Live-stock entered for competition must be presented in the ring punctually at the hour appointed for inspection by the Judges.

Those not presented immediately will not be taken into consideration.

*Article 65.*—The Judges of Live-stock will be provided with catalogues, by the General Commissioner of the division, in which only the age, colour and number of the order in the Exhibition corresponding to the animal or group will appear.

## PRIZES.

*Article 66.*—The prizes to be awarded in the *Live-stock competitions* will consist of—

*Special Prizes:* offered by Governments, corporations and private persons (see details in the Live Stock Schedule).
*Champion Prize:* Gold medal.
*First Prize:* Silver medal and diploma.
*Second Prize:* Nickelled bronze medal and diploma.
*Third Prize:* Bronze medal and diploma.
*Honorary mentions.*
*Prizes in each portion.*

In the Diplomas of the reserves for *Championship* this distinction will be expressly stated.

*Article 67.*—In the *Agricultural Division* the following prizes will be awarded:—

*Grand Prize*, consisting of an engraved Silver Plate.
*Grand Diploma of Honour.*
*First Prize:* Silver medal and diploma.
*Second Prize:* Nickelled Bronze medal and diploma.
*Third Prize:* Bronze medal and diploma.
*Honorary mentions.*

*Article 68.*—The Medals will bear on the obverse the emblem of the Argentine Rural Society and the inscription: SOCIEDAD RURAL ARGENTINA—BUENOS AIRES—and there will be a space in which the prize winning exhibitor may have his name engraved; on the reverse it will bear the following inscriptions: EXPOSICIÓN INTERNACIONAL DE AGRICULTURA 1910—CENTENARIO REVOLUCIÓN DE MAYO 1810—PREMIO—

*Article 69.*—The complete list of awards will be published ten days before the closure of the Exhibition and the prizes will be delivered on the day of closing. This article does not apply to special competitions not included in the general Schedule.

*Article 70.*—In the case of awards to Live-stock or other exhibits of any class or kind, not shown by the breeder or maker, the prize will be given to the exhibitor, but on the diploma the name of the breeder or maker will be stated.

*Article 71.*—Breeding stock that in former shows of the Argentine Rural Society may have been awarded any of the prizes offered by private persons or associations cannot compete for the same prize in this show, but can do so for any of the others.

*Article 72.*—For the **Championship** in cattle and horses, only first-prize winners in their respective classes can compete.

For the **Pedro and Antonio Lanussee** prize, for Durhams, the Reserve Champion may compete.

In sheep, animals forming part of a non-prize winning group may compete for the Championship, if in the opinion of the Judges any of them are of sufficient merit to do so.

The **Champion** ram and the winner of the **Pedro and Antonio Lanussee** prize will, after the awards have been given, be shown separately.

*Article 73.*—Cattle not eligible for entry in the Herd Books of the Argentine Rural Society cannot compete for the **Championship Group and special prizes**, excepting those offered exclusively for grades or crosses. This rule does not apply to breeds for which the Argentine Rural Society has not opened a register.

## SPECIAL COMPETITIONS.

*Article 74.*—The Executive Committee may establish and formulate the regulations for any special competitions they may think fit; and amongst them one of a literary character, with money prizes, for the best works sent in with relation to Agricultural and Live-stock subjects.

## CATALOGUE.

*Article 75.*—The necessay data for making up the General Catalogue will be taken from the entry forms or requisitions for space, presented within the time stipulated in Article 11.

## MANAGEMENT.

*Article 76.*—The Management of the Exhibition will exercise the greatest possible vigilance over the live-stock and other exhibits, but does not hold itself responsible for any loss or damage that may occur through death, exchange or loss of stock or other exhibits, or through any other cause whatsoever.

*Article 77.*—The Management of the Exhibition will purchase, by tender approved of by the Executive Committee and subject to the conditions agreed on, the necessary supply of forage, and will furnish same at prices stated in a tariff which will be displayed in the most conspicuous sites on the Exhibition grounds; exhibitors being strictly prohibited from introducing feed similar to that provided by the Exhibition.

*Article 78.*—Exhibitors desirous of giving special feed to their stock should procure, from the General Commissioner of the Live-stock division, a permit for their introduction.

*Article 79.*—All members of the Argentine Rural Society will have free and general entrance to the Exhibition and should for that purpose be provided with a PERSONAL card.

*Article 80.*—The Executive Committee will grant free entrance to the Exhibition to persons or institutions that for special or public reasons may merit such distinction.

*Article 81.*—Exhibitors or their representatives will have free entry and will be provided with special cards, in no case to exceed two.

If the exhibitor be a member of the Argentine Rural Society he will only be entitled to one card for his representative.

Caretakers of live-stock, machinists and persons in charge of exhibits, will be furnished with a numbered plate, which they must wear in some visible place. Should they not comply with this regulation they are liable to expulsion from the Exhibition premises. These plates should be applied for at the ground office of the Exhibition before the opening day, leaving a deposit of five dollars national currency ($ 5) for each one, which will be returned only on redelivery of plates.

In case of loss of any special cards, the interested party can obtain others on payment, in advance, of two dollars national currency ($ 2) for each day up to the close of the Exhibition. The Exhibitor, employee or caretaker who may be detected giving or lending his card or plate to any person will be expelled from the Exhibition grounds and will forfeit deposit on same. Similar procedure will be carried out if said cards or plates be found in possession of persons to whom they do not belong.

*Article 82.*—When any live-stock exhibits are taken out of their boxes or stalls either for parade or judging, they must bear on them in a visible place their numbers according to catalogue.

The daily exhibition in the rings or in the boxes of all breeding cattle and horses, during the hours named by the General Commissioner of the Live-stock division, is obligatory.

*Article 83.*—One or more restaurants and bars will be opened; their tariffs being subject to the approval of the Executive Committee.

*Article 84.*—After the publication of the Schedule and Regulations no alterations can be made; nor can any plea of ignorance be accepted as to the dispositions therein contained.

*Article 85.*—Questions as to interpretation of Schedule or Regulations or of cases not provided for in them will be decided by the Executive Committee.

*Article 86.*—All exhibits must be accompanied by a note stating what should be done with them after the close of the Exhibition. If this regulation is not complied with, it will be understood that the exhibitor cedes his exhibits to the Argentine Rural Society.

*Article 87.*—All exhibits and also the prizes offered by the Argentine Rural Society, the Public Authorities, Institutions or private persons, remain subject in all particulars to the Regulations and Schedule and to the dispositions that the Executive Committee may adopt.

*Article 88.*—Every exhibitor becomes, from the sole fact of his being so, subject to the dispositions of the present regulations or of others which the authorities of the Exhibition may frame, these being incorporated to said regulations and having the same powers as the special dispositions named in the schedules of the various competitions.

## PROHIBITIONS AND PENALTIES.

*Article 89.*—No exhibits will be allowed to enter into competition, concerning which the owners may have made false statements.

*Article 90.*—No inflammable matter or corrosive substances will be admitted to the Exhibition grounds without special permission from the Executive Committee.

*Article 91.*—No traction engines or other machines or vehicles of any kind will be allowed to run in the Exhibition grounds except by special permission of the Executive Committee.

*Article 92.*—The employees of exhibitors who do not comply with the orders of the authorities or the Regulations will be requested to withdraw, previous notice being given to the exhibitor, if the case should not require immediate expulsion.

*Article 93.*—The use of rosettes is strictly prohibited, such being reserved as a distinctive mark or sign of the prizes awarded by the Argentine Rural Society.

*Article 94.*—The removal or wilful defacement of posters and notices put up by the Stewards in any part of the Exhibition grounds or above any exhibit is strictly prohibited as also the substitution of others without authority from said Stewards.

Any one acting in opposition to above regulation is liable to a fine of ten dollars national currency.

*Article 95.*—The Executive Committee will make all necessary arrangements relating to sanitary matters and the decorations in the Exhibition and further will settle as to dimensions and due placing of placards and announcements of exhibitors.

*Article 96.*—All cases of infringement of these regulations will be submitted to the definite decision of the Executive Committee in case of appeal against decisions of the General Commissioners.

## TAXES.

*Article 97.*—In all sales of live-stock by auction held within the Exhibition grounds, the purchasers will pay as sole contribution, and as a maximum, a commission of 6 %, of which two-thirds correspond to the auctioner and the remaining third to the Argentine Rural Society.

With regard to private sales of live-stock, the commission will be 2 % payable by the vendor to the Argentine Rural Society.

The Board of Directors will decide as to other cases in which sales made in the Exhibition should pay a commission; in no case to exceed 2 % on account of same.

*Article 98.*—With regard to the buildings or stands that exhibitors may construct outside of the official pavilions of the Argentine Rural Society, rent for ground space will be charged by same according to the following tariff:—

## TARIFF

### OF RENT OF GROUND SPACE FOR PRIVATE BUILDINGS IN ARGENTINE GOLD DOLLARS:

*(One pound stg. is equivalent to 5·04 Argentine gold dollars; the American dollar is equivalent to 1·04 Argentine gold dollar.)*

| Space. | 1st Class. $ gold. | 2nd Class $ gold. | 3rd Class. $ gold. |
|---|---|---|---|
| 15 sq. metres ... ... ... ... | 32 | 26 | 20 |
| 20 " " ... ... ... ... | 84 | 64 | 26 |
| 30 " " ... ... ... ... | 66 | 52 | 40 |
| 50 " " ... ... ... ... | 76 | 60 | 46 |
| 75 " " ... ... ... ... | 110 | 88 | 66 |
| 100 " " ... ... ... | 146 | 114 | 80 |
| 150 " " ... ... ... ... | 192 | 154 | 114 |
| 200 " " ... ... ... ... | 220 | 176 | 132 |
| 300 " " ... ... ... ... | 274 | 220 | 164 |
| 400 " " ... ... ... ... | 356 | 286 | 210 |
| 500 " " ... ... ... ... | 400 | 330 | 240 |
| Over 500 sq. metres: conventional. | | | |

NOTE—The classes correspond to the importance of the sites according to their situation in the grounds of the Exhibition.

*Article 99.*—The Board of Directors will fix the ordinary and extraordinary prices of admission for the public to the Shows and Stands.

## POWER AND LIGHT.

*Article 100.*—The Directors of the exhibition will provide, free, electric power for machinery and apparatus in movement, set up in the general pavilions; but will charge according to tariff for power furnished to independent fittings and buildings, constructed by exhibitors. In making out their applications for space for machinery the interested parties should state the amount of power they will require to put their machinery in motion.

*Article 101.*—The general pavilions as also gardens, streets, etc., will be sufficiently lighted, but exhibitors may request an increase of illumination for their buildings, stands, etc., paying for it according to consumption.

## PATENTS.

*Article 102.*—The National Government will be petitioned to issue a decree protecting exhibits intended for the exhibition—which at that time may not have been patented—so that the inventors or owners may not forfeit, through the fact of their being exhibited, the preferences and prerogatives accorded to them by law. The same action will be taken in reference to Trade Marks.

Apply for enquiries, programmes, regulations, etc., to SENOR SECRETARIO DE LA EXPOSICION INTERNACIONAL DE AGRICULTURA DE 1910.

FLORIDA 316, BUENOS AIRES.

Republica Argentina.

---

Telegrams:

RURAL—A. B. C. CODE, 5TH EDITION.

---

Ordered that the foregoing papers be published in the Supplement to the *Gazette of India*, for general information, and that copies be forwarded to the Local Governments and Administrations named in the margin for information, with the request that the papers may be published in the local Gazette.

The Government of Madras.
The Government of Bombay.
The Government of Bengal.
The Government of the United Provinces.
The Government of the Punjab.
The Government of Burma
The Government of Eastern Bengal and Assam.
The Hon'ble the Chief Commissioner, Central Provinces.
The Hon'ble the Agent to the Governor-General in Baluchistan.
The Hon'ble the Resident in Mysore and Chief Commissioner of Coorg.

Ordered, also, that a copy be forwarded to the Hon'ble the Agent to the Governor-General in Rajputana and Chief Commissioner of Ajmer-Merwara, and the Hon'ble the Chief Commisioner of North-West Frontier Province for information and to the Foreign Department for information and communication to Native States.

Ordered, also, that a copy be forwarded to all Chambers of Commerce, for information.

## FINAL REPORT ON THE JUTE CROP OF BENGAL, SEPTEMBER 1909.

THE following report is published for general information.

W. R. GOURLAY,
for *Offg. Chief Secy. to the Govt. of Bengal.*

*The 21st September 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FINAL FORECAST OF THE JUTE CROP, 1909.

[On an average of the five years ending 1907-08, the area under jute in the territory to which the Bengal forecast relates has represented 21·1 per cent of the total area under jute in British India.]

*Acreage.*—The area under jute according to the final district returns now received amounts to 511,500 acres compared with 512,800 acres shown in the preliminary forecast. The reduction is chiefly due to a revision of figures by the District Officer of Darjeeling.

The acreage for each of the five years 1905 to 1909 is shown below:—

| Year. | Acreage. |
|---|---|
| 1905 | 569,300 |
| 1906 | 780,400 |
| 1907 | 931,200 |
| 1908 | 548,700 |
| 1909 | 511,500 |

The area under jute this year in the Cooch Behar State which is not included in the above figures is estimated at 20,000 acres, against 22,000 acres last year.

The decrease in the area sown with jute this year compared with the area sown in previous years is attributed largely to the fall in the price of jute.

2. *Weather conditions.*—In the winter months there was very little rain, so that in some districts ploughing and sowing were retarded. Since the end of April, however, the weather conditions have been on the whole favourable. The Kissengunj division of the Purnea district suffered severely from floods in June, and the crop in Darjeeling, Cooch Behar, and the Sonthal Parganas suffered from excessive rain. The July rainfall was short in all the important jute-growing districts of this Province, but in August considerable damage was done to the crop in the low-lying tracts of the districts of Burdwan, Hooghly and Howrah.

3. *Outturn.*—The most important jute-growing district in this Province is Purnea, and the District Officer estimates a crop 74 per cent. of the normal. Only two other districts have an area of over 50,000 acres under jute—Hooghly and the 24-Parganas, where the outturn is estimated at 78 per cent. and 100 per cent. respectively.

According to the District Officers' estimate the total outturn of the Province of Bengal, including Cooch Behar, comes to 78 per cent. of a normal yield, against 62 per cent.,

the estimate made by this Department last year. Since the district returns were received, the Director has caused special enquiries to be made, and these show that the outturn in some districts had been underestimated. After careful calculations based on these enquiries, the Director estimates a crop yielding 1,329,380 bales, or 84 per cent. of a normal crop.

From the reports of the District Officers, it appears there is little of last year's crop held over in the districts, except perhaps in Cooch Behar.

4. *Consolidated Forecast.*—The Director of Agriculture of Eastern Bengal and Assam estimates the area under jute in his Province to be 2,201,200 acres, and the outturn, 5,877,204 bales. The total outturn for the two Provinces is, therefore, 7,206,584 bales, or 88 per cent of the normal. A consolidated note is appended.

5. Statistics for Nepal, Upper India and Madras, not included in these figures, are given below:—

| | |
|---|---|
| Nepal ... ... | ... 81,800 bales. |
| Upper India *viâ* E. I. R. | ... 6,100 ,, |
| Madras *viâ* B.-N. R. ... | ... 900 ,, |

From a note kindly furnished by the Bengal Chamber of Commerce, it appears that exports from 1st July 1908 to 30th June 1909 amounted to 4,630,611 bales, and that the quantity purchased during last year by local mills amounted to 3,649,845 bales; allowing as usual 500,000 for country consumption, the total comes to 8,780,456. The 1908 crop (including the above figures for Nepal, &c.) was estimated by the Departments at 6,399,600 bales. The large discrepancy between these figures is attributed partly to an underestimate of the surplus jute from the crop of 1907, and partly to the unexpected heaviness of the crop due to the late harvest. It was anticipated that a portion of the crop would be lost through an insufficiency of water for retting, but the rivers rose unexpectedly, and filled the khals after the figures for the forecast had been collected.

W. R. GOURLAY,
*Director of Agriculture, Bengal.*

---

## CONSOLIDATED NOTE ON THE FINAL FORECASTS OF THE JUTE CROP, 1909, FOR BENGAL AND EASTERN BENGAL AND ASSAM.

*Acreage.*—The area under jute is now estimated at 2,732,700 acres—an increase of 4,690 acres over the figures in the Preliminary Forecast. This is mainly due to a revision of figures in Dacca and Faridpur.

The acreage for each of the five years 1905-09 including the figures for Cooch Behar is shown below:—

| Year. | Acreage. | Year. | Acreage. |
|---|---|---|---|
| 1905 | 3,128,300 | 1908 | 2,856,700 |
| 1906 | 3,482,900 | 1909 | 2,732,700 |
| 1907 | 3,974,300 | | |

The decrease in the acreage this year compared with the previous year is largely attributed to unfavourable weather in many districts at the time of sowing and to the fall in price of jute.

*Weather conditions.*—Owing to the almost entire absence of rain in the cold weather the soil was deficient in moisture and unfit for ploughing and sowing of jute until late in April. Towards the end of April good rain fell and conditions improved. Since May the season

has been favourable, but heavy floods in June, July and August materially damaged the crop on low-lying tracts, particularly in the districts, of Dacca, Faridpur, Dinajpur, Rangpur, Bogra, and the Kissengunj subdivision of the district of Purnea. In some districts there was an apprehension of scarcity of water for retting, but recent enquiries show that the supply is sufficient.

*Outturn.*—Thirteen districts have each an area of over 50,000 acres under jute; the District Officers of Mymensingh, Tippera, Pabna and the 24-Parganas report a normal crop. In Jalpaiguri the District Officer reports the crop 90 per cent. of the normal, in Faridpur 87 per cent., in Hooghly 78 per cent., in Purnea 74 per cent., in Rangpur 73 per cent., in Dacca 66 per cent., in Dinajpur 65 per cent., in Rajshahi 61 per cent., and in Bogra 60 per cent.

According to the estimates of the District Officers the total outturn of the two Provinces will be 84 5 of a normal crop. Since the district returns were received both Directors have had special enquiries made and they are of opinion that some of the estimates are unduly pessimistic. After careful calculation on the basis of these inquiries the Directors estimate a crop yielding 7,206,584, or 88 per cent. of a normal crop.

From the reports of District Officers it appears that very little of last year's jute crop remains in the districts, except perhaps in Cooch Behar.

Statistics for Nepal, Upper India and Madras, not included in these figures, are given below:—

| | | |
|---|---|---|
| Nepal ... ... | ... | 81,800 bales. |
| Upper India *viâ* E. I. R. | ... | 6,100 „ |
| Madras *viâ* B.-N. R. | ... | 900 „ |

From a note kindly furnished by the Bengal Chamber of Commerce it appears that exports from 1st July 1908 to 30th June 1909 amounted to 4,630,611 bales, and the quantity purchased during last year by local mills amounted to 3,649,845 bales; allowing as usual 500,000 for country consumption, the total comes to 8,780,456. The 1908 crop (including the above figures for Nepal, etc.) was estimated by the Department at 6,399,600 bales. The large discrepancy between these figures is attributed partly to an underestimate of the surplus jute from the crop of 1907 and partly by the unexpected heaviness of the crop due to the late harvest. It was anticipated that a portion of the crop would be lost through an insufficiency of water for retting, but rivers rose unexpectedly and filled the khals after the figures for the forecast had been collected.

W. R. GOURLAY,

*Director of Agriculture, Bengal*

F. W. STRONG,

*Director of Agriculture,*
*Eastern Bengal and Assam.*

*The 21st September 1909.*

# APPENDIX I.

*Final Forecast of the Jute Crop of Bengal, 1909.*

| Division. | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909). | Whether much, little, or no jute remains in the district from the crop of the year 1908. | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | Acres. | Acres. | Acres. | Acres. | | | | Acres. | | Acres. | | | |
| Burdwan. | Burdwan ... | 1,72[illegible],000 | 1,234,200 | 12,800 | 16,300 | 75 | 78 | Little ... | 85,226 | 1889-92 and 1903-04 to 1907-08. | 1,330 | Latter part of August. | The weather conditions were favourable. The general prospects of the crop were good. The recent heavy rainfall and floods have done considerable damage to the crop and the outturn is therefore below the normal. The increase in the area sown is due to favourable weather at the sowing season. But for the abnormal rainfall and the floods at the end of August, the crop would have been a bumper one. | |
| | Midnapore ... | 3,319,040 | 190,600 | 10,400 | 10,700 | 65 | 76 | Little ... | 35,342 | 1893 to 1898. | 29 | July in Sadar and August in Contai, Tamluk and Ghatal. | The weather conditions were fair and the general prospect of the crop is fair. The rainfall was favourable at the time of sowing, but heavy rain afterwards hampered the growth of the plants. In Ghatal, the recent floods have caused damage to the standing crops and the actual outturn is likely to prove much less than what is now estimated. The increase in area has taken place in Contai owing to timely rainfall at the sowing season. | |

| Division. | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909). | Whether much, little, or no jute remains in the district from the crop of the year 1908. | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | Acres. | Acres. | Acres. | Acres. | | | | Acres. | | Acres. | | | |
| Burdwan—*concld.* | Hooghly ... | 761,210 | 445,900 | 51,900 | 52,400 | 60 | 75 | Nil ... | Not cadastrally surveyed | | | Beginning of September. | The recent downpour during the latter part of August has done some damage to the jute crop, hence a normal outturn is not expected. | |
| | Howrah ... | [illegible],400 | 250,600 | 33,900 | 33,800 | 32 | 56 | Little ... | ... | ... | ... | First week of August. | The weather was not favourable at the sowing season owing to scanty rainfall. The general prospect of the crop in the Sadar subdivision is reported to be good, while at Uluberia it is fair. The fall in the price of jute induced cultivators to sow paddy and this accounts for the decrease in the area sown this year. The outt[illegible]n of the crop is better than that of last year, as the subsequent rainfall was well distributed. | |
| | 24-Parganas ... | 3,100,533 | 1,088,700 | 55,100 | 60,000 | 53 | 100 | Very little | ... | ... | ... | Third week of July. | The weather was favourable and the general prospect of the crop is good. The increase in the area sown is due to seasonable weather and good rainfall. A larger outturn is expected owing to favourable weather conditions. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRESIDENCY. | Nadia ... | 1,787,520 | 1,043,900 | 42,900 | 36,100 | 46 | 77 | Little ... | Not cadastrally surveyed. | | | July ... | The weather was generally favourable, but want of sufficient rain in July and excessive rain in August affected the crop injuriously. Insect-pests also did some damage in Ranaghat and Meherpur. The general prospect of the crop is fair. The decrease in the area sown is due to the prevailing low prices of jute and high prices of paddy. The increase in the estimated outturn is due to more favourable weather conditions than in the previous year. |
| | Murshidabad | 1,371,520 | 985,500 | 30,100 | 15,800 | 44 | 72 | Little ... | ... | ... | ... | Middle of August. | The weather and rainfall have been favourable. The general prospects of the crop are good. The decrease in the area sown is due to a fall in the price of jute and a rise in that of paddy. The better outturn is due to more favourable weather. |
| | Jessore ... | 872,153 | 1,191,000 | 49,900 | 48,700 | 60 | 75 | Little ... | ... | ... | ... | August ... | The weather was tolerably favourable and the general prospects of the crop are good. The difference in the area sown is small and calls for no explanation. |
| | Khulna ... | 3,049,016 | 970,000 | 16,700 | 16,200 | 62 | 93 | Some ... | 176,535 | 1903-04 to 1908-09. | 16,073 | End of July | The weather was favourable. The general prospects of the crop are good. The decrease in the area sown this year is due to the fall in the price of jute and to the increase in that of paddy. Jute cultivation has consequently been neglected. The outturn of the crop is expected to be better in comparison with that of last year. The outturn is estimated to be a little below the normal owing to the slight damage caused by excessive rain in some parts of the district, especially in the Sadar subdivision. |
| TIRHUT ... | Champaran ... | 2,259,940 | 1,447,600 | 2,000 | 2,000 | 62 | 75 | A little ... | 2,359,910 | 1893 to 1899. | 606 | Harvesting not commenced as yet. | The weather was favourable. The general prospect of the crop is good owing to seasonable rain. The increase in the outturn is due to favourable weather. |

| Division. | District. | Total area of the district. | Estimated total area under cultivation. | Approximate area sown last year (1908). | Estimated area sown this year (1909). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909). | Whether much, little, or no jute remains in the district from the crop of the year 1908. | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | Acres. | Acres. | Acres. | Acres. | | | | Acres. | | Acres. | | | |
| Tirhut—*concluded.* | Muzaffarpur... | 1,942,400 | 1,627,000 | 1,800 | 2,000 | 50 | 45 | No... | 1,942,400 | 1892-98 to 1898-99. | 500 | Middle of August. | The outturn has been partially injured by excessive rain. The cultivation of jute is decreasing owing to the bad prices obtained. There is little jute grown for the outside market. | |
| Bhagalpur | Bhagalpur ... | 2,764,640 | 2,67[illegible],300 | 6,700 | 6,600 | 50 | 100 | Little ... | 2,403,764 | 1902 to 1904. | 350 | Middle of August. | The weather conditions were favourable. The general condition of the crop is good. The area shown under the crop this year amounts to 6,600 acres, against 6,700 acres estimated to have been sown last year. This is due to revision of the acreage under the crop by the Subdivisional Officer of Banka on the basis of cadastral survey figures. The outturn of the crop this year is estimated at the normal and is double of that of last year owing to favourable weather and rainfall conditions. | |
| | Purnea ... | 3,1[illegible],[illegible]3 | 1,694,400 | 212,500 | 175,000 | 55 | 74 | Very little. They keep jute sufficient for domestic consumption. | 2,506,346 | 1901-02 and 1904-05. | 98,903 | August ... | The Subdivisional Officer of Kishanganj has estimated an outturn of 50 per cent as the crop was damaged to some extent by excessive rain and floods in his subdivision; elsewhere the prospect of the crop is good. Weather conditions were favourable in the Sadar and Araria subdivisions on the whole, where a 14-anna crop is expected. In both the Sadar and Kishanganj subdivisions, the area under this crop has decreased. Owing to the scarcity prevailing for the past three years, the cultivators sowed paddy on jute lands. The heavy fall in the price of jute for the past two years has discouraged the cultivators who thought that jute would be cheaper this year than last year. | |
| Bhagalpur. | Darjeeling ... | 744,950 | 164,500 | 3,100 | 1,500 | 60 | 50 | No jute in stock. | 200,519 | 1897-98 and 1901-02. | 2,339 | 1st week of August. | The weather was not favourable. The general prospect of the crop is not satisfactory owing to untimely heavy rainfall. The outturn expected this year is less than that of last year. The area which is shown in Column 6 appears to have been actually sown this year. The figure reported is the preliminary forecast was not correct. | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sonthal Parganas. | 3,500,800 | 1,545,300 | 1,200 | 600 | 58 | 52 | Very little | 3,272,[illegible] | 1889 to 1903-04. | 1,545 | Middle of August. | The weather was unfavourable for cultivation. The prospects of the crop are not good. The area under cultivation diminished owing to want of rain at the time of sowing. Moreover, the low prices last year induced many cultivators to abandon jute for other crops. The decrease in the outturn is the result of damage caused to the crop by heavy rains. |
| Orissa ... | Cuttack ... | 2,338,560 | 1,223,500 | 14,200 | 9,900 | 58 | 79 | A small quantity of jute remains out of the crop of 1908 on account of private consumption and the low price of jute. | 2,089,437 | 1888-95 to 1905-07. | 652 | Ditto ... | The weather was favourable. The general prospects of the crop are fair. The cause of decrease in the area is due to the low price of jute as explained in the first forecast. One hundred acres have been sown after the submission of the first forecast. |
| | Balasore ... | 1,334,3[illegible] | 932,200 | 3,600 | 3,900 | 75 | 95 | Little ... | 1,095,778 | 1891-92 to 1894-95. | 138 | Last week of Aug. | The weather conditions were favourable. The general prospects of the crop are good. The increase in the area and outturn this year is due to seasonable rain. |
| | Total Bengal .. | 35,331,099 | 2[illegible],058,100 | 548,700 | 511,500 | 54 | 78[illegible] | | | | | | |
| | Add for Cooch Behar. | [illegible] | 527,900 | 22,000 | 20,000 | 60 | [illegible] | Much ... | 843,439 | 1872 and 1887-1892. | Not ascertained. | End of August. | The weather conditions were unfavourable. The general prospects of the crop are rather poor. The decrease in the area and outturn is due to the increase in the area under early rice, to unfavourable weather, and to the existence of a large stock out of the crop of 1908. |
| | Total, including Cooch Behar. | 36,167,579 | 20,586,[illegible] | 570,700 | 531,500 | 62* | 84* | .. | ... | ... | ... | ... | |

* As estimated by this Department.

# APPENDIX II.

*Abstract Statement of Estimated Acreage and Outturn of the Jute Crop, 1909.*

(For Bengal and Eastern Bengal and Assam consolidated.)

| Acreage. | | | | | | | Outturn in bales of 400 lbs. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Of current year's crop. | Of previous year's crop. | Average of five preceding years (viz. 1903 to 1907). | Average of ten preceding years (viz., 1898 to 1907). | Percentage by which Column 1 exceeds (+) or falls short of (—) area in— | | | Estimated yield of current year. | Yield of previous year according to— | | Average of five preceding years (viz., 1903 to 1907). | Average of ten preceding years (viz., 1898 to 1907). | Percentage by which Column 8 exceeds (+) or falls short of (—) outturn in— | | | |
| | | | | Column 2. | Column 3. | Column 4. | | Director's forecast. | Trade statistics. | | | Column 9(a). | Column 9(b). | Column 10. | Column 11. |
| 1 | | 3 | 4 | 5 | 6 | 7 | 8 | 9(a) | 9(b) | 10 | 11 | 12 | 13 | 14 | 15 |
| 2,732,700 | 2,856,700 | 3,152,100* | 2,351,600 | —4·34 | —13·31 | +5·73 | 7,206,584 | 6,310,900 | 8,780,500 | 8,213,000 | 6,836,100 | +14·19 | —17·93 | —12·25 | +5·42 |

* The increase in figures of acreage for 1908 is due to the adoption of revised figures for that year by the Eastern Bengal and Assam Department of Agriculture.

## APPENDIX III.

*Normal rainfall from March to September.*

| NAME OF DISTRICT. | March. | April. | May. | June. | July. | August | September. |
|---|---|---|---|---|---|---|---|
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. |
| Burdwan ... | 1·06 | 1·88 | 5·08 | 10·15 | 12·25 | 11·76 | 8·40 |
| Midnapore ... | 1·13 | 1·54 | 5·39 | 10·23 | 12·43 | 12·82 | 9·61 |
| Hooghly ... | 1·28 | 2·07 | 5·50 | 10·28 | 12·02 | 12·53 | 8·85 |
| Howrah ... | 1·02 | 1·64 | 5·27 | 10·93 | 11·53 | 11·40 | 9·45 |
| 24-Parganas .. | 1·29 | 1·73 | 5·49 | 10·89 | 12·98 | 13·29 | 10·01 |
| Nadia ... ... | 1·48 | 2·82 | 6·72 | 10·00 | 10·36 | 10·96 | 8·48 |
| Murshidabad ... | 0·90 | 1·65 | 5·13 | 10·15 | 10·90 | 10·45 | 9·35 |
| Jessore ... | 1·81 | 3·30 | 7·13 | 11·69 | 10·64 | 10·67 | 8·4[illegible] |
| Khulna ... | 1·49 | 2·61 | 6·45 | 12·77 | 13·10 | 12·32 | 9·55 |
| Champaran ... | 0·[illegible] | 0·60 | 2·61 | 9·34 | 13·72 | 12·81 | 9·89 |
| Muzaffarpur ... | 0·38 | 0·55 | 2·29 | 7·41 | 12·08 | 11·00 | 8·17 |
| Bhagalpur ... | 0·44 | 0·90 | 3·15 | 8·34 | 12·72 | 11·66 | 10·19 |
| Purnea ... | 0·49 | 1·57 | 5·41 | 12·61 | 18·16 | 14·98 | 15·44 |
| Darjeeling ... | 1·76 | 4·2[illegible] | 9·39 | 23·36 | 32·08 | 24·86 | 18·22 |
| Sonthal Parganas ... | 0·43 | 0·82 | 2·7[illegible] | 9·79 | 12·68 | 11·66 | 11·10 |
| Cuttack ... | 1·17 | 1·27 | 4·23 | [illegible] | 18·89 | 12·77 | 10·19 |
| Balasore ... | 1·43 | 1·79 | 5·05 | 9·10 | 12·03 | 11·85 | 11·1[illegible] |

## APPENDIX III—*continued.*

*Statement of Rainfall from March to September each year from 1905 to 1909.*

| Name of District. | Rainfall in 1905. | | | | | | | Rainfall in 1906. | | | | | | | Rainfall in 1907. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | March. | April. | May. | June. | July. | August. | September. | March. | April. | May. | June. | July. | August. | September. | March. | April. | May. | June. | July. | August. | September. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. |
| Burdwan ... ... | 3·95 | 3·61 | 6·92 | 3·15 | 21·92 | 9·76 | 9·19 | [illegible] | 0·01 | 3·47 | 4·77 | 8·09 | 15·97 | 7·83 | 3·48 | 1·19 | 3·09 | 9·33 | 9·04 | 5·43 | 7·35 |
| Midnapore ... ... | 3·62 | 3·10 | 4·87 | 2·23 | 19·04 | 10·38 | 10·98 | [illegible] | 0·12 | 2·58 | 7·87 | 14·35 | 8·57 | 7·72 | 4·26 | 1·16 | 3·76 | 15·85 | 5·73 | 12·89 | 10·54 |
| Hooghly ... ... | 2·05 | 5·00 | 7·33 | 2·54 | 23·72 | 8·29 | 9·67 | [illegible] | 0·01 | 4·30 | 4·94 | 11·39 | 9·22 | 7·52 | 3·56 | 1·89 | 4·86 | 14·09 | 5·58 | 8·43 | 10·39 |
| Howrah ... ... | 4·11 | 4·11 | 6·96 | 2·00 | 27·70 | 6·99 | 10·63 | 2·72 | 0·01 | 4·08 | 6·24 | 13·83 | 9·52 | 6·28 | 3·49 | 1·31 | 6·26 | 16·12 | 7·55 | 11·52 | 8·45 |
| 24-Parganas ... | 3·43 | 5·21 | 8·16 | 2·10 | 23·76 | 8·81 | 14·32 | 2·05 | 0·02 | 4·57 | 7·37 | 12·50 | 7·82 | 7·90 | 4·42 | 1·55 | 4·64 | 17·14 | 9·00 | 11·38 | 7·60 |
| Nadia ... ... | [illegible] | 4·77 | 10·12 | 4·26 | 18·98 | 11·64 | 13·22 | 1·92 | 0·01 | 4·53 | 6·90 | 7·06 | 14·22 | 10·41 | 3·60 | 4·21 | 5·78 | 11·08 | 11·24 | 6·31 | 5·73 |
| Murshidabad ... | [illegible] | 2·83 | 8·88 | 4·03 | 17·43 | 14·53 | 14·20 | 1·62 | 0·13 | 2·85 | 7·11 | 9·07 | 15·39 | 7·66 | 1·83 | 2·65 | 4·10 | 11·48 | 6·39 | 4·85 | 6·51 |
| Jessore ... ... | 3·33 | 4·80 | 8·96 | 4·09 | 22·13 | 13·91 | 14·89 | 2·04 | Nil | 7·96 | 7·26 | 7·02 | 13·47 | 10·20 | 4·03 | 4·03 | 7·41 | 13·52 | 5·12 | 7·68 | 7·86 |
| Khulna ... ... | 5·81 | 5·76 | 6·17 | 4·84 | 26·67 | 15·02 | 16·64 | 1·58 | 0·16 | 4·58 | 7·07 | 10·55 | 9·24 | 8·31 | 5·39 | 4·96 | 5·91 | 12·96 | 14·26 | 6·72 | 6·[illegible] |
| Champaran ... | 0·77 | 0·64 | 3·57 | 4·58 | 19·79 | 25·80 | 7·61 | 0·68 | 0·02 | 0·40 | 8·33 | 14·03 | 28·18 | 2·94 | 1·58 | 0·71 | 0·94 | 4·25 | 15·42 | 6·28 | 4·36 |
| Muzaffarpur ... | 1·04 | 0·73 | 2·90 | 2·26 | 13·89 | 24·59 | 12·04 | 0·22 | 0·01 | 2·08 | 6·86 | 11·69 | 22·29 | 4·36 | 1·62 | 1·11 | 0·99 | 6·10 | 8·48 | 6·86 | 9·78 |
| Bhagalpur ... ... | 1·55 | 1·13 | 5·18 | 2·26 | 31·31 | 15·07 | 16·57 | 0·36 | 0·05 | 2·53 | 10·26 | 14·74 | 14·29 | 3·19 | 1·90 | 1·29 | 3·16 | 9·63 | 11·59 | 7·08 | 9·91 |
| Purnea ... ... | 1·[illegible] | 2·70 | 6·38 | 6·46 | 16·01 | 26·37 | 17·37 | 0·21 | 0·09 | 3·45 | 11·88 | 20·79 | 25·09 | 4·03 | 1·50 | 2·46 | 3·39 | 9·52 | 22·40 | 7·37 | 8·48 |
| Darjeeling ... ... | 1·66 | 3·81 | 9·62 | 16·97 | 38·91 | 36·20 | 21·15 | 1·07 | 0·75 | 8·88 | 19·20 | 37·22 | 48·73 | 9·60 | 3·45 | 4·93 | 7·57 | 22·65 | 24·10 | 19·03 | 16·85 |
| Sonthal Parganas | 3·00 | 1·13 | 4·63 | 1·92 | 18·12 | 17·21 | 11·04 | 0·86 | 0·07 | 2·09 | 6·95 | 11·94 | 11·68 | 5·04 | 2·32 | 1·39 | 2·96 | 11·76 | 11·02 | 7·09 | 9·75 |
| Cuttack ... ... | 2·13 | 1·50 | 4·70 | 3·92 | 9·85 | 7·36 | 11·25 | 0·26 | 0·20 | 2·22 | 8·92 | 8·34 | 6·61 | 8·55 | 2·00 | 5·71 | 2·48 | 8·85 | 5·63 | 32·44 | 6·55 |
| Balasore ... ... | 3·97 | 3·49 | 2·71 | 3·95 | 11·57 | 4·51 | 11·81 | 2·22 | 0·06 | 3·50 | 9·30 | 9·06 | 6·04 | 12·94 | 2·34 | 4·86 | 3·75 | 10·74 | 5·57 | 24·54 | 6·42 |

## APPENDIX III—*concluded.*

*Statement of Rainfall from March to September each year from 1905 to 1909*—concld.

| Name of District. | Rainfall in 1908. | | | | | | | Rainfall in 1909. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | March. | April. | May. | June. | July. | August. | September. | March. | April. | May. | June. | July. | August. | September (up to 15th.) |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. |
| Burdwan ... ... | 0·26 | 0·56 | 5·15 | 16·10 | 14·27 | 16·26 | 7·16 | Nil | 7·08 | 4·51 | 12·84 | 8·49 | 24·19 | 4·1[illegible] |
| Midnapore ... ... | 0·09 | [illegible]·07 | 5·61 | 13·13 | 15·07 | 14·65 | 6·40 | 0·08 | 6·05 | 4·29 | 11·67 | 10·73 | 17·04 | 4·17 |
| Hooghly ... ... | 0·02 | 0·49 | 4·48 | 17·10 | 13·75 | 9·40 | 7·75 | Nil | 8·32 | 4·31 | 13·04 | 6·55 | 19·29 | 2·08 |
| Howrah ... ... | [illegible]·12 | 0·21 | 4·65 | 23·07 | 22·28 | 9·56 | [illegible]·12 | Nil | 6·51 | 3·60 | 17·81 | 9·34 | 20·87 | 3·[illegible] |
| 24-Parganas ... | [illegible]·4 | 0·15 | 3·02 | 19·37 | 17·08 | [illegible]·79 | 8·96 | 0·01 | 6·00 | 5·44 | 16·83 | 9·87 | 15·50 | 3·35 |
| Nadia ... ... | 0·[illegible] | 0·68 | 3·40 | 20·17 | 12·21 | [illegible]·95 | 5·84 | Nil | 6·66 | 5·42 | 11·50 | 7·22 | 23·65 | 6·27 |
| Murshidabad ... | 0·0[illegible] | 0·16 | 2·22 | 14·09 | 11·25 | [illegible]·04 | 7·59 | Nil | 4·45 | 3·38 | 15·43 | 8·67 | 20·66 | 7·16 |
| Jessore ... ... | 1·04 | 1·06 | 3·57 | 17·07 | 14·79 | 6·42 | 4·90 | 0·02 | 7·13 | 6·44 | 12·81 | 9·34 | 29·89 | 2·39 |
| Khulna ... ... | 0·33 | 0·52 | 6·11 | 13·15 | 17·25 | 9·11 | 5·96 | 0·01 | 5·08 | 6·91 | 15·76 | 12·92 | 19·78 | 4·45 |
| Champaran ... | 0·64 | Nil | 0·80 | 5·87 | 9[illegible] | 7·43 | 11·05 | Nil | 4·79 | 1·76 | 12·40 | 11·91 | 17·85 | 1·41 |
| Muzaffarpur ... | 0·28 | Nil | 1·54 | 2·71 | [illegible]39 | 5·10 | 5·64 | Nil | 2·79 | 1·26 | 16·60 | 9·16 | 14·84 | 1·25 |
| Bhagalpur... ... | 0·19 | Nil | 2·43 | 3·94 | 5·67 | 4·64 | 6·78 | Nil | 2·41 | 1·82 | 16·99 | 8·21 | 13·86 | 1·34 |
| Purnea ... ... | 0·52 | 0·62 | 4·61 | 5·[illegible] | 8·98 | 5·69 | 5·89 | Nil | 4·66 | 2·46 | 26·78 | 10·73 | 14·89 | 1·97 |
| Darjeeling ... ... | 2·16 | 1·74 | 11·88 | 16·43 | 26·57 | 20·60 | 15·94 | Nil | 7·31 | 8·34 | 35·97 | 28·64 | 28·03 | 8·95 |
| Sonthal Parganas | 0·13 | 0·10 | 2·37 | 8·94 | 11·56 | 7·98 | 7·43 | Nil | 3·61 | 1·68 | 15·03 | 9·50 | 15·59 | 3·84 |
| Cuttack ... ... | 1·12 | 0·10 | 1·54 | 14·65 | 12·03 | 19·34 | 8·14 | 0·06 | 4·46 | 3·37 | 9·86 | 17·52 | 10·01 | 6·20 |
| Balasore ... ... | 0·55 | 0·16 | 3·25 | 10·04 | 7·28 | 17·64 | 6·42 | 0·26 | 6·59 | 4·34 | 10·62 | 14·63 | 10·29 | 5·43 |

* Figures relate to Head-quarter station only.

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR AUGUST 1909.

*Character of the Season.*—The rainfall during August was general all over the Province. It was very heavy in South-West Bengal where the fall recorded ranged from 15·17 to 29·89 inches. The fall recorded in Jessore was 19 inches above the normal, and in Burdwan, Birbhum and Nadia it was 12 inches in excess. In Bihar and Chota Nagpur, it was also generally above the normal, Shahabad, Purnea and Palamau excepted. In these three districts and in Orissa, the rain was in defect. A table is appended showing the normal and actual rainfall during the month in each district.

*II. Progress of agricultural operations.*—Transplantation of winter rice was in progress in most districts, though want of rain was felt in the early part of the month in parts of Burdwan, Purnea, Angul and Hazaribagh. Harvesting of autumn crops and steeping and washing of jute were well in hand.

*III. State of standing crops.*—The condition of transplanted *aman* paddy and sugarcane was satisfactory. Damage was done by excessive rain and floods in the end of August in parts of Burdwan, Midnapore, Hooghly, Howrah and Murshidabad.

*IV. Prospects and probable outturn of harvests.*—Prospects of autumn crops are fair. Their outturn for the whole Province is estimated at 85 per cent. of the normal. Prospects of winter rice for the Province as a whole were not unfavourable.

*V. Damage to crops.*—Damage has been done to *aman* paddy by excessive rain and floods in Burdwan, Hooghly, Howrah and Murshidabad, and to autumn crops especially to maize in Patna, Shahabad, Saran, Champaran, Muzaffarpur, Monghyr and Bhagalpur. In Sambalpur, autumn paddy suffered from the attacks of insects as well as from want of moisture. Injury to jute by insects was reported from Nadia.

*VI. Condition of agricultural stock.*—The condition of cattle was on the whole fair. Rinderpest was reported from Sambalpur only. Reports of ordinary cattle-diseases were received from Burdwan, Bankura, Midnapore, Nadia, Murshidabad, Jessore, Angul, Puri, Ranchi and Palamau and from Bihar, Darbhanga and Monghyr excepted.

*VII. Failure of pasturage and fodder.*—No difficulty was experienced in the supply of fodder and water. It was sufficient throughout the Province.

*VIII. Price of food-grains.*—During the second fortnight of the month, the price of common rice rose in 4 and fell in 14 districts. The expectation of a good harvest has made prices easier. The prices of staple food-grains are lower than in the corresponding period of last year.

*IX. Condition of labouring classes and the agricultural population.*—The returns of the District Officers give indication of a satisfactory condition of the agricultural population. Relief operations were finally closed in all parts of Bengal.

CALCUTTA,
*The 20th September 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*Statement showing the normal and actual Rainfall in each district during August 1909.*

| Division. | District. | Normal district rainfall for the month of August. | Actual district rainfall for the month of August. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal | Burdwan ... | 11·76 | 24·19 | +12·43 |
| | Birbhum ... | 10·93 | 23·61 | +12·68 |
| | Bankura ... | 11·88 | 22·38 | +10·50 |
| | Midnapore ... | 12·82 | 17·04 | + 4·22 |
| | Hooghly ... | 12·53 | 19·29 | + 6·76 |
| | Howrah ... | 11·40 | 20·87 | + 9·47 |
| | 24-Parganas ... | 13·29 | 15·50 | + 2·21 |
| | Calcutta ... | 12·69 | 15·17 | + 2·48 |
| | Nadia ... | 10·96 | 23·65 | +12·69 |
| | Murshidabad ... | 10·45 | 20·66 | +10·21 |
| | Jessore ... | 10·67 | 29·89 | +19·22 |
| | Khulna ... | 12·32 | 19·78 | + 7·46 |
| Bihar ... | Patna ... | 11·21 | 14·24 | + 3·03 |
| | Gaya ... | 11·72 | 13·50 | + 1·78 |
| | Shahabad ... | 11·66 | 6·93 | — 4·73 |
| | Saran ... | 11·00 | 14·98 | + 3·98 |
| | Champaran ... | 12·81 | 17·85 | + 5·04 |
| | Muzaffarpur ... | 11·00 | 14·84 | + 3·84 |
| | Darbhanga ... | 12·49 | 14·61 | + 2·12 |
| | Monghyr ... | 11·41 | 16·11 | + 4·70 |
| | Bhagalpur ... | 11·66 | 13·86 | + 2·20 |
| | Darjeeling ... | 24·86 | 28·03 | + 3·17 |
| | Purnea ... | 14·98 | 14·89 | — 0·09 |
| | Sonthal Parganas | 11·66 | 15·59 | + 3·93 |
| Orissa ... | Cuttack ... | 12·77 | 10·01 | — 2·76 |
| | Balasore ... | 11·85 | 10·29 | — 1·56 |
| | Angul ... | 10·45 | 7·27 | — 3·18 |
| | Puri ... | 12·05 | 5·53 | — 6·52 |
| | Sambalpur ... | 15·18 | 11·16 | — 4·02 |
| Chota Nagpur | Hazaribagh ... | 12·60 | 15·85 | + 3·25 |
| | Ranchi ... | 13·31 | 13·67 | + 0·36 |
| | Palamau ... | 13·42 | 6·19 | — 7·23 |
| | Manbhum ... | 12·78 | 15·55 | + 2·77 |
| | Singhbhum ... | 14·54 | 14·90 | + 0·36 |

## WEATHER AND CROP REPORT.

*For the week ending the 20th September 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·78 | 9¼ | 9¼ | Weather hot and cloudy. Low land *aman* paddy greatly damaged by recent floods. Harvesting of jute and *aus* paddy nearly completed. No cattle-disease. Stocks of food-grains and fodder and water sufficient. Prices stationary. |
| 2 | BIRBHUM ... | 3·18 | 9 | 9 | Rainfall at Rampurhat 0·46 inches. Paddy crops thriving well. No apprehension of scarcity. No cattle-disease. Fodder and water sufficient. |
| 3 | BANKURA ... | 2·93 | 9¾ | 9¾ | Rainfall at Vishnupur 1·98 inches. Weather seasonable. Harvesting of *aus* paddy commenced. Condition of winter paddy good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 2·93 | 9 | 9 | Rainfall at Contai 3·03, at Tamluk 2·87 and at Ghatal 4·94 inches. Transplantation of winter rice over. Prospects of jute, winter rice, autumn rice, *bhadoi* crops and maize good except at Ghatal, where there was a flood again. Cattle-disease reported in thanas Midnapore, Salboni and Kesairi. Fodder and water sufficient. Common rice selling at 12½ seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 2·38 | 8 | 8 | Prices of food grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Steeping of jute and weeding of winter paddy continuing. Winter paddy plants on low lands damaged by excessive rainfall in thanas Singur and Haripal. Fodder and water sufficient. Some cattle-disease reported from the Sadar subdivision. |
| 6 | HOWRAH ... | 3·51 | 8½ | 8½ | Floods subsided. Winter paddy, *aus* paddy and vegetable crops damaged to some extent in extensive areas adjoining the Rupnarain and Damodar. Prospects of sugarcane fair. Stocks of food-grains, fodder and water sufficient. |
| 7 | 24-PARGANAS | 4·43 | 9½ | 9 | Weather rainy. Harvesting of jute and *aus* paddy progressing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Diamond Harbour and at 8½ seers at Barrackpore. Basirhat report not received. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 2·44 | $8\frac{9}{16}$ | $8\frac{5}{8}$ | Rainfall at Chuadanga 1·12, at Kushtia 0·77, at Ranaghat 2·03 and at Meherpur 1·84 inches. Prospects of standing crops good. Harvesting of *aus* paddy finished. Lands being prepared for *rabi* crops Weather favourable for jute. Condition of the crop good. Harvesting and steeping continuing. Outturn estimated at 77 per cent. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from Tehatta and Damurhuda thanas. |
| 9 | MURSHIDABAD | 1·11 | 9 | $8\frac{1}{2}$ | Weather hot and cloudy. Condition of standing crops, mulberry, sugarcane and *bhadoi* paddy good. Harvesting of *bhadoi* crops nearly finished. Transplantation of *aman* paddy going on. Condition of jute is satisfactory excepting at Kandi, where it has suffered to some extent from floods. Harvesting, steeping and extracting of fibres commenced. Weather and rainfall normal. Prospects cheering. Fodder and water sufficient. Agricultural stock in good condition. No cattle-disease. |
| 10 | JESSORE ... | 1·63 | $10\frac{5}{8}$ | $10\frac{5}{16}$ | Rainfall at Jhenidah 1·44, at Magurah 2·08, at Narail 0·85 and at Bangaon 3·92 inches. Weather seasonable. Rainfall general. Harvesting of *aus* and jute approaching completion. Jute being steeped in some places. Condition of the crop favourable. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Kotchandpur. Condition of agricultural stock good. |
| 11 | KHULNA ... | 3·04 | 11 | 10 | Rainfall at Bagerhat 3·91 and at Satkhira 3·02 inches. Weather seasonable. Prices decreasing. Stocks of food-grains sufficient till next harvest. Transplantation of winter rice and steeping of jute continuing. Prospects of standing crops fair. *Aus* paddy and jute suffered to some extent. Cattle-disease in some places in thana Kaliganj. Fodder and water sufficient. |
| 12 | PATNA ... | 2·38 | $10\frac{1}{2}$† / 19* | 9 / $17\frac{1}{2}$* | Weather warm and cloudy. Transplantation of paddy going on. Harvesting of *bhadoi* crops in progress. Condition of standing crops good. Sugarcane doing well. Food-stocks supplemented by import. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Nawbatpur, Maner and Asthawan. Common rice selling at $9\frac{1}{2}$ seers per rupee. |
| 13 | GAYA ... | 3·37 | $10\frac{5}{8}$ / $14\frac{3}{16}$‡ | $10\frac{5}{16}$ / $12\frac{3}{8}$‡ | Weather seasonable. Condition of paddy very good. Harvesting of *bhadoi* paddy continuing. Sugarcane doing well. Rainfall general and very beneficial to paddy. Fodder and water for cattle ample. Cattle-disease reported from the Sadar and Jahanabad subdivisions. |
| 14 | SHAHABAD ... | 1·32 | $10\frac{1}{4}$‡ / 26* | $10\frac{1}{4}$‡ / 16* | Rainfall at Buxar 0·74, at Bhabhua 3·23, at Sassaram 1·98 and at Dehri 1·63 inches. Paddy crops doing well. Harvesting of *bhadoi* paddy continuing; sugarcane doing well except at Buxar, where it has been damaged to some extent by heavy rain. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. Cattle-disease reported from thana Bikramganj. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.
‡ Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 1·25 | 9¾<br>22* | 9½<br>22* | Rainfall at Siwan 0·29 and at Gopalganj 0·55 inches. Weather hot. Harvesting of *bhadoi* crops going on. Winter rice and sugarcane doing well. Prices of staple food-crops falling. No cattle-disease reported. Fodder and water sufficient. Condition of agricultural stock fair. |
| 16 | CHAMPARAN ... | 0·03 | 13†<br>19½* | 11½†<br>19* | Rainfall at Bettiah 0·88 inch. Harvesting of *bhadoi* crops continuing. Fodder and water sufficient. Cattle-disease reported from Bettiah, Jagapati, Ramnagore and Bagaha. Cutting of jute commenced at places. |
| 17 | MUZAFFARPUR | 0·99 | 9½<br>19* | 9<br>14* | Weather hot. Rainfall at Sitamarhi 0·50 inch. Condition of standing crops very good. Harvesting of *bhadoi* crops in progress. Common rice and maize selling at 9¼ and 26 seers a rupee respectively at Sitamarhi. No report from Hajipur. Fodder and water sufficient. No cattle-disease. |
| 18 | DARBHANGA ... | 0·54 | 9½<br>19½ | 9½<br>19½* | Weather hot with bright sunshine. Transplantation of paddy continuing in places. Harvesting of *bhadoi* crops in progress. Prospects of crops good. Much good done to the upland paddy crops by rain of the week. Prices of food-grains stationary. Food-stocks sufficient. Fodder and water sufficient. No cattle-disease reported. *Makai* selling at 19½ seers per rupee in Darbhanga bazar, but a little dearer in the interior. |
| 19 | MONGHYR ... | 1·64 | 10½<br>20 | 10½<br>18⅞* | Rain occasional. Weather very hot. Paddy doing very well. Harvesting of *makai* almost finished. Fields being prepared for cultivation of *rabi* crops. Cattle-disease reported from thana Ballia. Fodder and water sufficient. Prices of food-grains slightly fallen. |
| 20 | BHAGALPUR ... | 0·42 | 9½<br>20½* | 9½<br>19* | Weather seasonable. Condition of jute good. Harvesting of *marua* nearly finished and of other *bhadoi* crops still going on. Condition and prospects of standing crops very good. More rain wanted for winter rice. Sowings of *kulthi* and *kalai* commenced. Condition of agricultural stock good. Cattle-disease reported from Supaul, Madhipura and Beniagong thanas. Fodder and water sufficient. No apprehension of scarcity. Prices of food-grains slightly fallen. |
| 21 | PURNEA ... | 1·59 | 11† | 11† | Rainfall at Kishanganj 1·59 and at Araria 0·16 inch. Weather unusually hot and sultry. Steeping and washing of jute in progress. Harvesting of *bhadoi* paddy and *marua* going on. More rain wanted for upland paddy. Prospects of standing crops so far good. Cattle-disease reported from Raniganj thana. Fodder and water sufficient. New *bhadoi* rice selling at 11 and 9 seers a rupee at Kishanganj and Araria respectively. |

* The figures indicate the price of maize in seers per rupee.
† New *bhadoi* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 4·23 | 8<br>13* | 8<br>14* | Rainfall at Siliguri 1·60 inches. Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing. Terai—Transplantation of winter rice finished. Jute and *bhadoi* crops being harvested. Prospects of jute not satisfactory. Agricultural stock in good condition. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 0·71 | 11<br>36†(?) | 11 | Rainfall at Deoghar 1·72, at Godda 0·15, at Jamtara 0·75, at Pakour 1·85 and at Rajmahal 1·86 inches. Harvesting of maize over. Prospects of standing crops favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Prospects of jute unfavourable. Fodder and water sufficient. Cattle-disease reported from Godda. |
| 24 | CUTTACK ... | 3·55 | 11 13/16 | 11 13/16 | Early cotton, *arhar*, sugarcane and *saradh* paddy growing well. *Moong* and *kulthi* being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 3·27 | 12½ | 13 | Rainfall at Bhadrak 5·40 inches. Weather seasonable. Weeding of *saradh* paddy and harvesting of jute continuing. Sugarcane and *bhadoi* crops thriving. Vegetables doing well. Condition of jute and cattle good. Fodder and water sufficient. Common rice selling at 12 seers per rupee at Bhadrak. Prices rising at Sadar and stationary at Bhadrak. |
| 26 | ANGUL ... | 0·34 | 16¾ | 15¾ | Rainfall at Phulbani 0·85 inch. Weather hot and cloudy. More rain urgently wanted for winter paddy. Harvesting of millets and *bhadoi* paddy finished. Sowing of *rabi* crops continuing. Condition of agricultural stock good. Cattle-disease reported. Common rice selling at 12 seers a rupee in the Khondmals. |
| 27 | PURI ... | 2·39 | 10½ | 9 3/16 | Rainfall at Khurda 1·69 inches. *Saradh* and *laghu* paddy thriving well. *Begli* and *mandia* being harvested. Sugarcane and cotton thriving. No cattle-disease reported. Fodder and water sufficient. Common rice selling at 11 13/16 seers per rupee in Khurda. |
| 28 | SAMBALPUR ... | 0·15 | 13 | 13 | Rain badly wanted. Reaping and threshing of autumn rice, weeding of winter rice and sowing of *moong* continuing. Condition of standing crops, sugarcane, cotton and *urid* good. Autumn rice suffering in Bargarh Tahsil. Rice plants partly damaged by insect-pests in Sadar Tahsil. Sugarcane plants being tied. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest and foot-and-mouth disease reported. Common rice selling at 12 seers per rupee at Sambalpur. Cheapest rice selling at 14 seers per rupee at Bargrah. |
| 29 | HAZARIBAGH... | [illegible]90 | 13‡<br>26* | 9¼<br>13¼ | Weather seasonable. *Sirguja*, *til* and *kulthi* being sown. Prospects of standing crops good. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | 4·14 | 13‡ | 9¾ | Weather cloudy. Harvesting of *bhadoi* crops continuing. Prospects of standing crops good. Cattle-disease reported from four thanas. Fodder and water sufficient. Common rice selling at 10 seers per rupee. |

* The figures indicate the price of maize in seers per rupee.
† New maize.
‡ Gora rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | 3·05 | 9 | 9 | Weather seasonable. Good rain fallen all over the district. Prospects of crops good. Harvesting of *bhadoi* crops continuing. Fields being prepared for *rabi* crops. Fodder and water sufficient. Some cattle-disease. |
| 32 | MANBHUM ... | 11·58 | 11 | 11 | Rainfall at Dhanbaid 3·25 inches. Weather seasonable. State of standing crops good. Sowing of tobacco in progress. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Stocks of food-grains adequate. Common rice selling 9½ seers per rupee at Dhanbaid. |
| 33 | SINGHBHUM ... | 2·71 | 9 | 8 | Weather seasonable. Weeding operations completed. State of standing crops good. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 1·14 | $7\frac{8}{11}$ | $7\frac{6}{11}$ | Weather hot and cloudy. Transplantation of *haimantik* seedlings, cutting, steeping and washing of jute continuing. Condition of jute fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 1·99<br>Athmallik ... 0·76<br>Bamra ... 0·47<br>Baramba ... 0·73<br>Baud ... 1·32<br>Bonai ... 2·65<br>Daspalla ... 1·68<br>Dhenkanal ... 1·38<br>Gangpur ... 0·93<br>Hindol ... 0·65<br>Kalahandi ... 0·07<br>Keonjhar ... 0·26<br>Khandpara ... Slight rain during the week.<br>Mayurbhanj ... 0·33<br>Narsinghpur ... 1·99<br>Nayagarh ... 3·43<br>Nilgiri ... 1·13<br>Pal-Lahara ... 0·05<br>Patna ... 1·14<br>Rairakhol ... 0·66<br>Ranpur ... 3·54<br>Sonpur ... 1·02<br>Talcher ... 1·02<br>Tigiria ... Sufficient rain during the week.<br>Weather seasonable. Weeding in progress in Baramba, Baud, Daspalla, Dhenkanal and Hindol. *Beali* paddy being harvested in almost all the States. The estimated outturn of *beali* paddy 15 annas in Athgarh, 12 annas in Athmallik, 14 annas in Mayurbhanj and 16 annas in Nilgiri and Dhenkanal. The state of standing crops good. Fodder and water sufficient. Price of common rice varying from 10 seers in Tigiria and 11 seers in Mayurbhanj to 17 seers in Patna and Athgarh and 20 seers in Talcher, Pal-Lahara and Bonai. |

* The report is for the week ending the 11th September 1909.

GENERAL SUMMARY.—Rainfall during the week was general; it was heavy in Manbhum and also in Hazaribagh, moderate in the 24-Parganas, Darjeeling and Ranchi and light elsewhere. More rain is wanted for *aman* paddy in Bhagalpur, Purnea, Angul and Sambalpur. Damage has been done to standing crops by the recent floods on low-lying tracts in Burdwan, Midnapore, Hooghly, Howrah, Murshidabad and Khulna. Insect-pests are doing injury to autumn rice in Sambalpur. Harvesting of autumn crops is in progress. Prospects are on the whole fair. The price of common rice has risen slightly in Nadia and Balasore and has fallen in the 24-Parganas, Murshidabad, Jessore, Khulna, Patna, Gaya, Saran, Champaran, Muzaffarpur, Angul, Puri, Hazaribagh, Ranchi and Singhbhum. Cattle-disease is reported from Midnapore, Hooghly, Nadia, Jessore, Khulna, Patna, Gaya, Shahabad, Champaran, Monghyr, Bhagalpur, Purnea, Angul, Sambalpur, Hazaribagh, Ranchi and Palamau. Fodder and water supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 21st September 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of August 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th May 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 24·19 | 11·76 | +12·43 | 20·00 | 15·20 | 49·39 | 37·13 | +12·26 | 56·60 | 45·83 |
| | | Birbhum ... | 23·61 | 10·93 | +12·68 | 21·83 | 15·13 | 47·50 | 37·00 | +10·50 | 53·49 | 46·80 |
| | | Bankura ... | 22·38 | 11·88 | +10·50 | 18·10 | 14·89 | 44·19 | 37·68 | + 6·51 | 52·80 | 45·43 |
| | | Midnapore ... | 17·04 | 12·82 | +4·22 | 15·63 | 15·24 | 43·05 | 38·38 | + 4·67 | 53·04 | 45·30 |
| | | Hooghly ... | 19·29 | 12·53 | +6·76 | 18·33 | 15·67 | 42·69 | 37·87 | + 4·82 | 57·32 | 49·04 |
| | | Howrah ... | 20·87 | 11·40 | +9·47 | 22·00 | 16·90 | 51·30 | 36·73 | +14·57 | 62·67 | 50·78 |
| | Presidency ... | 24-Parganas ... | 15·50 | 13·29 | +2·21 | 16·88 | 16·70 | 46·82 | 40·16 | +6·66 | 58·00 | 49·88 |
| | | Calcutta ... | 15·17 | 12·69 | +2·48 | 20·00 | 18·88 | 50·83 | 38·99 | +11·84 | 67·00 | 54·40 |
| | | Nadia ... | 23·65 | 10·96 | +12·69 | 20·60 | 15·00 | 47·21 | 35·03 | +12·18 | 56·60 | 47·68 |
| | | Murshidabad ... | 20·66 | 10·45 | +10·21 | 18·45 | 14·53 | 47·89 | 34·74 | +13·15 | 50·45 | 45·95 |
| | | Jessore ... | 29·89 | 10·67 | +19·22 | 20·00 | 15·37 | 57·48 | 36·77 | +20·66 | 62·00 | 49·77 |
| | | Khulna ... | 19·78 | 12·32 | +7·46 | 20·20 | 16·71 | 53·51 | 41·69 | +11·82 | 65·60 | 52·81 |
| Bihar. | Patna ... | Patna ... | 14·24 | 11·21 | +3·03 | 13·83 | 13·18 | 38·65 | 32·49 | +6·16 | 40·56 | 36·87 |
| | | Gaya ... | 13·50 | 11·72 | +1·78 | 15·55 | 13·83 | 37·70 | 31·48 | +6·22 | 41·56 | 36·63 |
| | | Shahabad ... | 6·93 | 11·66 | —4·73 | 10·00 | 12·96 | 32·29 | 31·17 | +1·12 | 36·99 | 35·54 |
| | Tirhut ... | Saran ... | 14·98 | 11·00 | +3·98 | 16·00 | 12·19 | 40·25 | 31·52 | +8·73 | 42·27 | 34·47 |
| | | Champaran ... | 17·85 | 12·81 | +5·04 | 19·25 | 13·16 | 43·92 | 37·44 | +6·48 | 50·84 | 38·91 |
| | | Muzaffarpur ... | 14·84 | 11·00 | +3·84 | 16·43 | 12·27 | 41·55 | 31·88 | +9·67 | 44·86 | 35·15 |
| | | Darbhanga ... | 14·61 | 12·49 | +2·12 | 16·40 | 13·74 | 53·57 | 33·97 | +19·60 | 58·00 | 37·71 |
| | Bhagalpur ... | Monghyr ... | 16·11 | 11·41 | +4·70 | 16·40 | 13·52 | 43·77 | 33·59 | +10·18 | 46·50 | 38·18 |
| | | Bhagalpur ... | 13·86 | 11·66 | +2·20 | 15·88 | 13·53 | 40·69 | 34·78 | +5·91 | 42·89 | 40·22 |
| | | Darjeeling ... | 28·03 | 24·86 | +3·17 | 26·33 | 23·29 | 96·43 | 86·12 | +10·31 | 81·67 | 75·51 |
| | | Purnea ... | 14·89 | 14·98 | —0·09 | 15·86 | 15·32 | 54·11 | 49·20 | +4·91 | 49·23 | 48·51 |
| | | Sonthal Parganas. | 15·59 | 11·66 | +3·93 | 17·38 | 15·60 | 41·74 | 35·69 | +6·05 | 48·64 | 45·38 |
| Orissa. | Orissa ... | Sambalpur ... | 11·16 | 15·18 | —4·02 | 14·50 | 16·15 | 48·12 | 44·63 | +3·49 | 55·50 | 46·15 |
| | | Angul ... | 7·27 | 10·45 | —3·18 | 10·50 | 15·31 | 30·06 | 33·85 | —3·79 | 46·50 | 47·94 |
| | | Cuttack ... | 10·01 | 12·77 | —2·76 | 13·25 | 15·51 | 40·30 | 37·33 | +2·97 | 51·01 | 43·46 |
| | | Balasore ... | 10·29 | 11·85 | —1·56 | 12·80 | 14·96 | 39·07 | 36·21 | +2·86 | 49·13 | 43·92 |
| | | Puri ... | 5·53 | 12·05 | —6·52 | 11·00 | 14·63 | 33·77 | 32·48 | +1·39 | 45·05 | 39·48 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | 15·85 | 12·60 | +3·25 | 17·40 | 16·51 | 35·44 | 36·63 | —1·19 | 44·33 | 45·09 |
| | | Ranchi ... | 13·67 | 13·31 | +0·36 | 14·20 | 16·91 | 38·66 | 38·34 | +0·32 | 47·23 | 46·95 |
| | | Palamau ... | 6·19 | 13·42 | —7·23 | 14·00 | 14·91 | 31·09 | 34·83 | —3·74 | 44·50 | 40·19 |
| | | Manbhum ... | 15·55 | 12·78 | +2·77 | 19·00 | 16·27 | 35·83 | 36·97 | —1·14 | 50·72 | 46·27 |
| | | Singhbhum ... | 14·90 | 14·54 | +0·36 | 16·86 | 17·02 | 40·45 | 42·28 | —1·83 | 52·04 | 48·93 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF AUGUST 1909.

During August, South-West Bengal was marked by heavy rain. In every district, the fall was well above the average. The excess was greatest in Jessore, where the departure from the normal was +19·22 inches. In Bihar and Chota Nagpur the fall was in excess excepting in Shahabad, Palamau and Purnea. In Orissa, the fall was in defect. On an average, South-West Bengal received 21·16 inches, Bihar 13·20 inches, Orissa 9·84 inches and Chota Nagpur 12·64 inches of rain.

Expressed in percentage figures, the rainfall of the first eight months in South-West Bengal was 123 per cent., in Bihar 111 per cent., in Orissa 119 per cent. and in Chota Nagpur 91 per cent. of the normal.

The following table compares the rainfall in the four divisions during the month of August with the normal fall, the actual being given as a percentage of the normal. The table also shows the actual falls for each of the previous months of the year expressed in the same way, and the last column of the table shows the total raiufall of the past eight months of the year 1909:—

| Meteorological Divisions. | January. | February. | March. | April. | May. | June. | July. | August. | Actual rainfall of first eight months of 1909 expressed as a percentage of the normal fall for the period. |
|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... | 61 | 17 | 1 | 308 | 82 | 126 | 76 | 180 | 103 |
| Bihar ... ... | 41 | 44 | 0 | 457 | 39 | 180 | 75 | 112 | 111 |
| Orissa ... .. | 31 | 179 | 10 | 411 | 95 | 130 | 146 | 80 | 119 |
| Chota Nagpur ... | 208 | 182 | 7 | 369 | 45 | 96 | 68 | 95 | 91 |

PERCENTAGE TABLE FOR AUGUST 1909.

| Division. | District. | Normal district rainfall for August. | Actual district rainfall for August 1909. | Percentage of actual to normal rainfall. | Percentage excess (+), deficit (—). |
|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... ... | 11·76 | 24·19 | 206 | +106 |
| | Birbhum ... ... | 10·98 | 23·61 | 216 | +116 |
| | Bankura ... ... | 11·88 | 22·38 | 188 | + 88 |
| | Midnapore ... ... | 12·82 | 17·04 | 133 | + 33 |
| | Hooghly ... ... | 12·53 | 19·09 | 152 | + 52 |
| | Howrah ... ... | 11·40 | 20·87 | 183 | + 83 |
| | 24-Parganas ... ... | 13·29 | 15·50 | 117 | + 17 |
| | Calcutta ... ... | 12·69 | 15·17 | 113 | + 13 |
| | Nadia ... ... | 10·96 | 23·65 | 216 | +116 |
| | Murshidabad ... ... | 10·45 | 20·66 | 198 | + 98 |
| | Jessore ... ... | 10·67 | 29·89 | 280 | +180 |
| | Khulna ... ... | 12·82 | 19·78 | 161 | + 61 |
| Bihar ... | Patna ... ... | 11·21 | 14·24 | 127 | + 27 |
| | Gaya ... ... | 11·72 | 13·50 | 115 | + 15 |
| | Shahabad ... ... | 11·66 | 6·93 | 59 | — 41 |
| | Saran ... ... | 11·00 | 14·98 | 136 | + 36 |
| | Champaran ... ... | 12·81 | 17·85 | 139 | + 39 |
| | Muzaffarpur ... ... | 11·00 | 14·84 | 135 | + 35 |
| | Darbhanga ... ... | 12·49 | 14·61 | 109 | + 9 |
| | Monghyr ... ... | 11·41 | 16·11 | 141 | + 41 |
| | Bhagalpur ... ... | 11·66 | 13·86 | 119 | + 19 |
| | Darjeeling ... ... | 24·86 | 28·03 | 117 | + 17 |
| | Purnea ... ... | 14·98 | 14·89 | 99 | — 1 |
| | Sonthal Parganas ... | 11·66 | [illegible] | 134 | + 34 |
| Orissa ... | Sambalpur ... ... | 15·18 | 11·16 | 73 | — 27 |
| | Angul ... ... | 10·45 | 7·27 | 69 | — 31 |
| | Cuttack ... ... | 12·77 | 10·01 | 78 | — 22 |
| | Balasore ... ... | 11·85 | 10·29 | 87 | — 13 |
| | Puri ... ... | 12·05 | 5·53 | 45 | — 55 |
| Chota Nagpur | Hazaribagh ... ... | 12·60 | 15·85 | 126 | + 26 |
| | Ranchi ... ... | 13·31 | 13·67 | 102 | + 2 |
| | Palamau ... .. | 13·42 | 6·19 | 46 | — 54 |
| | Manbhum ... ... | 12·78 | 15·55 | 122 | + 22 |
| | Singhbhum ... ... | 14·54 | 14·90 | 102 | + 2 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of August 1909:—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Since 16th May 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation. | Average number in month. | Normal average number in month. | Variation. | Average. | Normal average. |
| South-West Bengal. | 21·19 | 11·74 | +9·45 | 18·85 | 15·53 | +3·32 | 43·91 | 37·58 |
| Bihar ... | 13·20 | 11·83 | +1·37 | 14·66 | 13·80 | +0·86 | 37·95 | 34·69 |
| Orissa ... ... | 9·84 | 12·28 | —2·44 | 13·75 | 15·08 | —1·33 | 33·28 | 35·53 |
| Chota Nagpur ... | 12·64 | 13·34 | —0·70 | 15·03 | 16·44 | —1·41 | 31·05 | 58·11 |

CALCUTTA,
*The 20th September 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

No

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 83,090 | 78,486 | 132,144 | 64 | 94 | 5,006 | 99 | 137,407 | 14,189,405 | 29 | ..... |
| Birbhum ... ... | 68,809 | 6 | 68,813 | 1,220 | ..... | 1 | ..... | 70,034 | ..... | 272 | ..... |
| Bankura ... ... | 5,499 | 206 | 5,628 | ..... | ..... | 204 | ..... | 5,832 | ..... | 396 | ..... |
| Midnapore ... ... | 535,960 | 13,535 | 544,419 | 2 | 33 | 1,222 | 385 | 546,061 | ..... | 1,370 | ..... |
| Hooghly ... ... | 288,352 | 19,776 | 300,712 | 135 | 30 | 10,017 | 70 | 310,964 | 43,871 | 394 | ..... |
| 24-Parganas ... ... | 818,225 | 185,260 | 934,012 | 225 | ..... | 23,812 | ..... | 958,049 | 46,423 | 6,409 | ..... |
| Nadia ... ... | 2,859 | 704 | 3,209 | 33,932 | 20 | 525,408 | 103,037 | 665,696 | ..... | 4,343 | ..... |
| Murshidabad ... ... | 5,682 | 1,477 | 6,605 | 17,858 | 2 | 71,072 | 25,861 | 121,398 | ..... | 740 | ..... |
| Jessore ... ... | 568 | ..... | 568 | 2,292 | ..... | 44,251 | 249 | 47,360 | ..... | 4,136 | ..... |
| Khulna ... ... | 3,305 | 22,275 | 17,227 | 400 | ..... | 8,836 | 550 | 27,013 | ..... | 775 | ..... |
| Total Bengal ... | 1,812,349 | 321,725 | 2,013,427 | 56,128 | 179 | 689,829 | 130,251 | 2,889,814 | 14,279,699 | 18,864 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna ... ... | 15 | ..... | 15 | 8,056 | ..... | 45,528 | 23,248 | 76,847 | ..... | 419 | ..... |
| Gaya ... ... | 35 | ..... | 35 | 33,361 | ..... | 20,221 | 742 | 54,360 | ..... | 390 | ..... |
| Shahabad ... ... | 25 | ..... | 25 | 113,485 | 2 | 60,209 | 1,836 | 175,557 | ..... | ..... | ..... |
| Saran ... ... | 10 | ..... | 10 | 315 | 40 | 4,861 | 13 | 5,239 | ..... | 21 | ..... |
| Champaran ... ... | ..... | ..... | ..... | 12,807 | ..... | 2,434 | 20 | 15,261 | ..... | 1,066 | 22 |
| Muzaffarpur ... ... | 4 | 20 | 16 | 2,185 | 1 | 3,537 | 553 | 6,292 | ..... | 711 | 26 |
| Darbhanga ... ... | ..... | ..... | ..... | 1,469 | ..... | 840 | ..... | 2,309 | ..... | ..... | ..... |
| Monghyr ... ... | 4 | ..... | 4 | 20,718 | ..... | 99,778 | 542 | 121,042 | 43 | 2,271 | ..... |
| Bhagalpur ... ... | 12 | ..... | 12 | 36,238 | ..... | 23,450 | 2,296 | 61,996 | ..... | ..... | ..... |
| Purnea ... ... | 24 | ..... | 24 | 217 | ..... | 565 | ..... | 806 | ..... | 87 | ..... |
| Sonthal Parganas ... | 39 | ..... | 39 | 42,035 | ..... | 22,079 | 993 | 65,146 | 6,234 | 109 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 1,095 | 713 | ..... | ..... | 1,808 | ..... | ..... | ..... |
| Total Bihar ... | 168 | 20 | 180 | 271,982 | 756 | 283,508 | 30,243 | 586,669 | 6,277 | 5,074 | 48 |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 8,266 | 8,940 | 13,853 | 2,546 | ..... | 6,961 | ..... | 23,360 | ..... | 60 | ..... |
| Balasore ... ... | 120,898 | 13,698 | 129,459 | ..... | ..... | 1,009 | 12 | 130,480 | ..... | 507 | ..... |
| Puri ... ... | 47,786 | 956 | 48,384 | ..... | 8 | ..... | ..... | 48,392 | ..... | ..... | ..... |
| Sambalpur ... ... | 11,840 | ..... | 11,840 | 2 | ..... | ..... | ..... | 11,842 | ..... | ..... | ..... |
| Mourbhanj State ... | 5,009 | 356 | 5,232 | ..... | ..... | 3 | ..... | 5,235 | ..... | 120 | ..... |
| Total Orissa ... | 193,799 | 23,950 | 208,768 | 2,548 | 8 | 7,973 | 12 | 219,309 | ..... | 687 | ..... |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh ... ... | 8 | ..... | 8 | ..... | ..... | ..... | ..... | 8 | 713,584 | 103 | ..... |
| Ranchi ... ... | 13 | ..... | 13 | ..... | ..... | ..... | ..... | 13 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 490 | 26 | ..... |
| Manbhum ... ... | 45 | ..... | 45 | ..... | 132 | 40 | ..... | 217 | 16,170,386 | 5 | ..... |
| Singhbhum ... ... | 7,128 | 1,273 | 7,924 | ..... | 7 | 2 | ..... | 7,933 | ..... | 188 | ..... |
| Total Chota Nagpur | 7,194 | 1,273 | 7,990 | ..... | 139 | 42 | ..... | 8,171 | 16,884,460 | 322 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 2,013,510 | 346,968 | 2,230,365 | 330,658 | 1,082 | 981,352 | 160,506 | 3,703,963 | 31,170,436 | 24,947 | 48 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| B B and Assam ... | 177,608 | 8,986 | 183,224 | 32,455 | 12 | 131,277 | 14,416 | 361,384 | ..... | 96,508 | ..... |
| Burma | 2,907,638 | 1,194,095 | 3,654,322 | 2,033 | ..... | 16,166 | 29,940 | 3,702,461 | ..... | 38,285 | ..... |
| U P of Agra and Oudh | 67 | ..... | 67 | 3,542,532 | 12,435 | 481,421 | 80,535 | 4,122,990 | 6,179 | 16,502 | ..... |
| Panjab | 172 | ..... | 172 | 8,703 | ..... | 16,730 | 1,299 | 26,904 | ..... | 7,355 | ..... |
| Sind and British Baluchistan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Central Provinces and Berar | 26,835 | 1,745 | 27,926 | 265,520 | ..... | 64,939 | ..... | 358,385 | ..... | 46,904 | ..... |
| Bombay ... ... | ..... | ..... | ..... | 696 | ..... | 211 | 2 | 909 | ..... | 12,607 | ..... |
| Madras ... ... | 982 | 1,976 | 2,217 | ..... | ..... | 29,105 | 923 | 32,246 | ..... | 26,050 | ..... |
| Rajputana and Central India | 393 | ..... | 393 | 39,754 | ..... | 25,702 | 28 | 65,877 | ..... | 11,229 | ..... |
| GRAND TOTAL 1909 ... | 5,127,205 | 1,554,370 | 6,098,686 | 4,223,351 | 13,529 | 1,746,898 | 293,640 | 12,375,113 | 31,176,615 | 281,287 | 48 |
| GRAND TOTAL 1908 ... | 4,370,700 | 2,308,620 | 5,822,587 | 1,099,145 | 10,939 | 1,109,708 | 362,431 | 8,413,810 | 35,230,434 | 186,739 | 28 |
| GRAND TOTAL 1907 . | 3,427,850 | 1,419,300 | 4,314,912 | 1,790,078 | 37,165 | 1,544,010 | 283,837 | 7,970,002 | 33,186,549 | 355,768 | 478 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

I

*by Rail, Road, River, Canal and Sea (coastwise) in the three months of April to June 1909*

| Jute. | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | **Bengal** |
| ..... | 36,544 | 2,823 | 434 | ..... | 4 | ..... | 30 | ..... | 927 | 4 | Burdwan |
| 7 | 9,310 | 1,035 | 1,170 | 403 | 43 | ..... | ..... | .. | ..... | 1 | Birbhum |
| .. | 5,635 | 110 | ..... | ..... | ..... | ..... | ... | ..... | ..... | 359 | Bankura |
| 317 | 42,052 | 1 | 4,219 | 202 | 81 | 52 | 7,357 | ..... | 4 | ..... | Midnapore |
| 20,948 | 13,533,147 | 175 | 4,288 | 1,597 | ..... | 502 | 4,490 | ..... | 18,409 | 1,584 | Hooghly |
| 108,490 | 33,242,559 | ... | 346 | 270 | ..... | 86,058 | 30,054 | ..... | 5,137 | 2,746 | 24-Parganas |
| 20,138 | 232,200 | .. | 44,283 | 1,096 | ..... | 6 | 21,085 | ..... | 7,181 | 3 | Nadia |
| 18,800 | 2,555 | 1,308 | 20,517 | 3,784 | 1,732 | ..... | 20 | ..... | ..... | 2 | Murshidabad |
| 14,384 | 17,570 | ..... | 1,762 | 276 | ..... | 25 | 32,165 | ..... | 3,600 | ..... | Jessore |
| 18,554 | 1,750 | .. | 607 | 3,103 | ..... | ..... | 15,570 | ..... | 73 | ..... | Khulna |
| 201,638 | 47,123,622 | 6,461 | 77,626 | 10,638 | 1,830 | 87,523 | 110,771 | ..... | 35,429 | 4,699 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 306 | 1,671 | 572 | 183,447 | 54,890 | ..... | ..... | 153 | 1 | 3,307 | 7,990 | Patna |
| ..... | 5,460 | 13,794 | 164,992 | 17,417 | ..... | .. | 119 | 1 | 390 | 3,184 | Gaya |
| ..... | 1,925 | ..... | 174,455 | 974 | ..... | 1,118 | 2,907 | ..... | ..... | 417 | Shahabad |
| 16 | 1,295 | 2,015 | 30,476 | 12,636 | ..... | ..... | 2,699 | ..... | 34 | 6 | Saran |
| 2,268 | 105 | 18 | 149,793 | 47,13[illegible] | ..... | ..... | 47 | ..... | .. | ..... | Champaran |
| 1,648 | 2,135 | ..... | 209,692 | 101,958 | ..... | ..... | 243 | ..... | 2,379 | ..... | Muzaffarpur |
| 3,829 | 5,845 | ..... | 181,926 | 60,556 | ..... | .. | 608 | ..... | 15,243 | ..... | Darbhanga |
| 3,400 | 15,400 | ..... | 64,218 | 74,492 | ..... | ..... | ..... | ..... | 1,444 | 2,472 | Monghyr |
| 7,660 | 2,975 | 72 | 76,412 | 150,606 | 2 | ..... | 3 | 1 | 64 | ..... | Bhagalpur |
| 109,352 | 25,685 | 47 | 5,086 | 5[illegible],608 | ..... | ..... | ..... | ..... | 41,528 | 244 | Purnea |
| 15,965 | 5,250 | 15,241 | 13,038 | 117,456 | ..... | ..... | ..... | ..... | ..... | ..... | Sonthal Parganas |
| 4,210 | 50,925 | ..... | ..... | 106 | ..... | ..... | ..... | 25,215 | 5,598 | ..... | Darjeeling |
| 62,902 | 105 | ..... | ..... | 179 | ..... | ..... | ..... | ..... | 4,457 | ..... | Cooch Behar |
| 211,616 | 118,676 | 31,761 | 1,253,635 | 692,[illegible]3 | 2 | 1,118 | 6,809 | 25,218 | 74,146 | 14,313 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 1,629 | 1,715 | 43 | 30 | 1,184 | ..... | ..... | ..... | ..... | ..... | ..... | Cuttack |
| 42,339 | 11,389 | 3 | 252 | ..... | ..... | .. | ..... | ..... | 259 | ..... | Balasore |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Puri |
| 175 | 350 | 46 | ..... | 82 | ..... | ..... | ..... | ..... | ..... | ..... | Sambalpur |
| ..... | ..... | 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Mourbhanj State |
| 44,143 | 13,454 | 97 | 282 | 1,216 | ..... | ..... | ..... | ..... | 259 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| ..... | 4,165 | 237 | 1,707 | 57 | ..... | ..... | ..... | ..... | ..... | ..... | Hazaribagh |
| ..... | 1,715 | 11,278 | ..... | ..... | ..... | ..... | ..... | 909 | ..... | ..... | Ranchi |
| ..... | 3,885 | 5,205 | 8,609 | 4,153 | ..... | ..... | ..... | ..... | ..... | ..... | Palamau |
| ..... | 4,410 | 32,963 | ..... | 700 | ..... | ..... | ..... | 1 | ..... | ..... | Manbhum |
| 2 | 1,400 | 2,996 | 4,078 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Singhbhum |
| 2 | 15,575 | 52,679 | 14,394 | 4,910 | ..... | ..... | ..... | 310 | ..... | ..... | Total Chota Nagpur |
| 457,399 | 47,271,327 | 90,998 | 1,346,937 | 709,217 | 1,862 | 88,641 | 117,580 | 25,528 | 110,134 | 19,012 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Places** |
| 1,393,357 | 336,100 | 6,894 | 97,790 | 241,471 | 924 | 13 | 687 | 151,429 | 55,974 | 7 | E B and Assam |
| ..... | 1,000 | 1,839 | ..... | ..... | ..... | 4,729 | ..... | 5 | 4,095 | 74 | Burma |
| 3,610 | 31,745 | 53,[illegible]22 | 537,975 | 737,[illegible] | ..... | 52 | 3,028 | 433 | 349 | 118 | U P of Agra and Oudh |
| ..... | 668 | ..... | ..... | 5,085 | ..... | ..... | 70 | 34 | 14 | 2 | Panjab |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 | Sind and British Baluchistan. |
| 631 | 16,170 | 1,146 | 44,746 | 2,826 | ..... | ..... | 489 | 1 | 53 | 94 | Central Provinces and Berar |
| ..... | 490 | ..... | ..... | ..... | 2 | 1,323 | ..... | 48 | 1,022 | 15 | Bombay |
| 13 | 55,655 | ..... | ..... | 2,[illegible]07 | 6[illegible] | 9,764 | ..... | 48 | 4,280 | 273 | Madras |
| ..... | 10,468 | 5,174 | 13,500 | 5,835 | ..... | ..... | 3 | ..... | ..... | 2 | Rajputana and Central India |
| 1,855,010 | 47,723,617 | 159,073 | 2,139,748 | 1,704,676 | 2,794[illegible] | 104,522 | 121,857 | 177,526 | 175,921 | 19,616 | 1909 } Grand Total |
| 3,510,170 | 36,500,603 | ..... | 1,507,422 | 1,280,728 | 4,273[illegible] | 126,546 | 134,727 | 151,961 | 162,975 | 13,386 | 1908 } Grand Total |
| 1,939,601 | 40,886,535 | ..... | 2,[illegible]578 | 1,490,948 | 4,110 | 116,427 | 108,166 | 189,045 | 205,735 | 12,358 | 1907 } Grand Total |

## No II

*Statement of the Routes by which the Articles enumerated in Table No. I were imported into the Calcutta Trade Block in the three months of April to June 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 1,131,560 | 175,238 | 10,595 | 63 | 245,810 | 332 | 1,716 | 7,130 | ..... |
| „ river steamer ... | 19,638 | 10,703 | 1,280 | 31 | 16,810 | 132 | 43 | 41,056 | ..... |
| „ rail: E. I. Railway | 113,334 | 26,234 | 3,886,157 | 12,695 | 822,350 | 121,155 | 24,549,800 | 42,713 | 48 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 277,744 | 66,087 | 58,006 | 725 | 561,746 | 141,165 | 130,221 | 12,001 | ..... |
| „ rail: A.-B. Railway ... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | 2,776 | ..... |
| „ rail: B.-N. Railway ... | 258,094 | 35,689 | 264,277 | 15 | 55,843 | 1 | 6,489,205 | 52,618 | ..... |
| „ rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: B.-P. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 8,027 | 63 | ..... | ..... | 2 | ..... | ..... | ..... | ..... |
| „ road ... ... | 385,679 | 40,217 | ..... | ..... | 1,923 | ..... | 55,630 | 4,202 | ..... |
| „ sea ... ... ... | 2,932,523 | 1,200,139 | 2,033 | ..... | 42,408 | 30,864 | ..... | 118,191 | ..... |
| Total ... 1909 ... | 5,127,205 | 1,554,370 | 4,222,351 | 13,529 | 1,746,898 | 293,649 | 31,176,015 | 281,287 | 48 |
| Total ... 1908 ... | 4,379,700 | 2,308,620 | 1,099,145 | 19,939 | 1,199,708 | 362,431 | 35,280,434 | 186,739 | 28 |
| Total ... 1907 ... | 3,427,850 | 1,419,300 | 1,790,078 | 37,165 | 1,544,010 | 283,837 | 33,186,549 | 355,768 | 478 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Lac | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Tea, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 228,078 | 46,047,862 | 175 | 34,881 | 8,589 | ..... | 1,778 | 55,373 | ..... | 19,896 | 10 |
| „ river steamer ... | 564,745 | 38,325 | 1,179 | 30,297 | 171,501 | 145 | 3 | 740 | 79,027 | 3,852 | 10,594 |
| „ rail: E. I. Railway | 54,352 | 174,545 | 102,088 | 1,914,465 | 1,307,900 | 87 | 1,167 | 9,612 | 472 | 20,000 | 3,836 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 905,075 | 879,375 | 6,806 | 100,963 | 120,114 | 2,556 | 38 | 29,870 | 80,874 | 113,207 | 20 |
| „ rail: A.-B. Railway | 37,440 | 1,045 | ..... | ..... | 266 | ..... | ..... | ..... | 9,547 | ..... | ..... |
| „ rail: B.-N. Railway | 2,041 | 32,020 | 46,386 | 50,802 | 4,895 | ..... | ..... | 489 | 310 | 5,323 | 539 |
| „ rail: D.-S. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,882 | ..... | ..... |
| „ rail: B.-P. Railway | ..... | 525 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 929 | 10,115 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | 35 | 6 |
| „ road ... ... ... | 20,058 | 474,955 | ..... | 2,340 | ..... | ..... | 85,7[illegible] | 25,771 | ..... | 9,002 | 4,317 |
| „ sea ... ... ... | 42,292 | 63,650 | 1,839 | ..... | 1,411 | 6 | 15,816 | .. | 1,514 | 4,366 | 294 |
| Total ... 1909 ... | 1,855,010 | 47,723,617 | 159,073 | 2,139,748 | 1,704,676 | 2,794[illegible] | 104,522 | 12[illegible] | 177,526 | 175,921 | 19,016 |
| Total ... 1908 ... | 3,510,170 | 36,500,603 | ..... | 1,597,422 | 1,280,728 | 4,278[illegible] | 126,546 | 134,727 | 151,961 | 162,975 | 13,386 |
| Total ... 1907 ... | 1,939,601 | 40,886,535 | ..... | 2,972,678 | 1,499,948 | 4,110 | 116,427 | 108,166 | [illegible],045 | 205,735 | 12,358 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No 111

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the three months of April to June 1909.*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosene oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom ... ... ... ... ... ... | 24,222 | ..... | 3,63,74,037 | ..... | ..... | 938,681 |
| Other countries ... ... ... ... ... ... | 4,552 | ..... | 3,65,175 | ..... | 287,647 | 2,512,471 |
| Total ... | 28,774 | ..... | 3,67,39,212 | ..... | 287,647 | 3,451,152 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal ... ... ... ... ... ... ... ... | ..... | 18 | ..... | ..... | ..... | ..... |
| Bombay ... ... ... ... ... ... ... ... | 186 | 36,954 | 7,864 | 22,16,168 | ..... | 309,654 |
| Sind and British Baluchistan ... ... ... ... | ..... | ..... | ..... | 1,759 | ..... | ..... |
| Madras ... ... ... ... ... ... ... ... | ..... | ..... | 1,148 | 1,03,489 | ..... | ..... |
| Burma ... ... ... ... ... ... ... ... | ..... | 140 | 2,959 | 12,997 | 798,841 | ..... |
| Total ... | 186 | 37,142 | 11,971 | 23,34,413 | 798,841 | 309,654 |
| Total ... 1909 ... | 28,960 | 37,142 | 3,67,51,183 | 23,34,413 | 1,086,488 | 3,760,806 |
| Total ... 1908 ... | 35,844 | 30,798 | 3,17,51,133 | 26,37,190 | 1,071,199 | 3,500,471 |
| Total ... 1907 ... | 37,444 | 35,622 | 5,29,34,986 | 24,01,104 | 1,276,687 | 3,643,285 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the three months of April to June 1909*

| | Food-grains | | | | | | | | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | | | |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,422 | ..... | 1,422 | ..... | 643 | 217 | ..... | 2,287 | 3,892 | 3 | ..... |
| Eastern Bengal and Assam | ..... | ..... | ..... | 4 | 2,688 | 623 | ..... | 3,315 | 295,988 | ..... | ..... |
| Bombay . | 26,311 | ..... | 26,311 | ..... | ..... | ..... | 978 | 27,289 | 6,233,507 | ..... | 37 |
| Sind and British Baluchistan | 200 | ..... | 200 | ..... | ..... | ..... | ..... | 200 | 4,374,094 | ..... | ..... |
| Madras ... .. | 30,844 | ..... | 30,844 | 3 | 13,045 | 82,545 | 819 | 127,256 | 2,745,471 | ... .. | 74 |
| Burma ... .. | 9,370 | ..... | 9,370 | 9,103 | 61,881 | 91,778 | 11,008 | 183,143 | 2,877,715 | 35 | ..... |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... . | ..... |
| Pondichery .. | ..... | ..... | ..... | ..... | 692 | 828 | ..... | 1,520 | 214,919 | 7,268 | ... .. |
| Goa ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ... .. | ... .. | 363,525 | ..... | . .. |
| Alleppey ... | ..... | ... .. | ..... | ... .. | ..... | ..... | .... . | ..... | ..... | ..... | ..... |
| Total ... | 68,147 | ..... | 68,147 | 9,110 | 78,957 | 175,901 | 12,805 | 345,010 | 17,109,111 | 7,306 | 111 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 189,115 | 4 | 189,117 | 2,209,257 | 1,123 | 320,778 | 63,730 | 2,784,005 | 1,252 | 7,356 | 1,142 |
| Other countries | 1,482,340 | 30 | 1,482,359 | 506,793 | 47,875 | 283,309 | 17,082 | 2,337,418 | 3,082,822 | 94,619 | 1,595 |
| Total .. | 1,671,455 | 34 | 1,671,476 | 2,716,050 | 48,998 | 604,087 | 80,812 | 5,121,423 | 3,084,074 | 101,975 | 2,737 |
| Total ... 1909 .. | 1,739,602 | 34 | 1,739,623 | 2,725,160 | 125,955 | 780,078 | 93,617 | 5,466,433 | 21,193,185 | 109,281 | 2,848 |
| Total ... 1908 ... | 799,273 | 83,693 | 851,581 | 17,359 | 67,012 | 21[illegible],252 | 25,257 | 1,175,441 | 21,380,030 | 67,939 | 3,630 |
| Total ... 1907 . | 1,314,512 | ..... | 1,314,512 | 109,724 | 123,547 | 36[illegible],252 | 21,372 | 1,937,407 | 17,631,482 | 207,186 | 2,310 |

| | Jute | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | N. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... .. | ..... | 25,200 | ... | ..... | ..... | ..... | 1,208 | 14 | 3 | 1,133 | 36 |
| Eastern Bengal and Assam | ..... | 71,210 | 1 | ..... | ..... | ..... | 4,270 | 2,791 | 4 | 10 | 19 |
| Bombay .. .. | ..... | 4,857,040 | .. ... | ... . | 9,131 | ..... | 1,662 | ..... | 3,606 | ..... | 188 |
| Sind and British Baluchistan | ..... | 1,991,050 | ..... | ... | ..... | ..... | ..... | ..... | 226 | ..... | 314 |
| Madras ... .. | .. . | 1,633,700 | 27 | . | 9,233 | ... .. | 882 | 4,093 | 231 | 2 | 397 |
| Burma ... | 255 | 8,195,788 | 7 | 65 | ..... | 24 | 4,535 | 6,757 | 2,404 | 20,250 | 1,499 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... |
| Pondichery .. | ..... | 146,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | . . | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | ..... | 9,500 | ..... | ..... | ..... | ..... | .... . | ..... | ..... | ..... | ..... |
| Total .. | 255 | 16,930,088 | 35 | 65 | 18,364 | 24 | 12,563 | 13,645 | 6,017 | 21,404 | 2,453 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 342,518 | 9,774,320 | 34,938 | 1,275,340 | [illegible]963 | 626 | ..... | ..... | 73,504 | 46 | 26 |
| Other countries | 1,516,244 | 186,813,793 | 141,142 | 476,324 | 639,442 | 2,154 | 31 | ..... | 18,607 | 5,783 | 355 |
| Total .. | 1,858,76[illegible] | 196,588,113 | 176,080 | 1,751,664 | 696,405 | 2,780 | 31 | ..... | 92,111 | 5,829 | 381 |
| Total ... 1909 .. | 1,859,017 | 213,518,201 | 176,115 | 1,751,729 | 714,769 | 2,804 | 12,594 | 13,645 | 98,728 | 27,233 | 2,834 |
| Total ... 1908 .. | 3,199,929 | 176,702,035 | ..... | 797,082 | 404,088 | 3,207 | 11,943 | 4,243 | 98,020 | 31,100 | 1,881 |
| Total ... 1907 ... | 1,943,215 | 186,057,020 | ..... | 1,875,793 | 423,159 | 5,209 | 20,832 | 9,800 | 99,671 | 45,394 | 5,355 |

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the three months of April and June 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| **Bengal** | | | | | | | | |
| Burdwan | 392 | 3,106 | 6,55,408 | 67,478 | 214,943 | 1,046 | 31,607 | 96,937 |
| Birbhum | 517 | 3,718 | 4,63,332 | 44,141 | 142,940 | 91 | 13,963 | 65,524 |
| Bankura | 129 | 2,434 | 1,28,151 | 3,081 | 14,980 | 2 | ..... | 38,334 |
| Midnapore | 2,353 | 3,428 | 8,03,921 | 1,55,866 | 97,378 | 403 | 16,024 | 137,140 |
| Hooghly | 1,261 | 1,423 | 4,40,427 | 2,99,662 | 148,396 | 13,247 | 23,730 | 80,158 |
| 24-Parganas | 1,769 | 372 | 5,35,985 | 4,22,471 | 94,398 | 44,240 | 30,000 | 58,157 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 206,123 | ..... |
| Nadia | 2,033 | 5,500 | 11,04,550 | 1,62,868 | 340,539 | 5,148 | 30,078 | 98,170 |
| Murshidabad | 59 | 1,639 | 4,91,585 | 38,793 | 205,365 | 844 | 24,041 | 75,799 |
| Jessore | 222 | 2,791 | 19,550 | 4,39,860 | 6,200 | 3,251 | 12,987 | 42,601 |
| Khulna | 44 | 551 | 41,157 | 3,89,498 | 26,600 | 7,458 | 4,835 | 26,682 |
| Total Bengal | 8,779 | 24,962 | 46,84,066 | 20,23,738 | 1,291,739 | 75,750 | 403,288 | 719,502 |
| **Bihar** | | | | | | | | |
| Patna | 1,394 | 1,758 | 7,52,214 | 9,716 | 504,210 | 1,892 | 41,898 | 103,431 |
| Gaya | 43 | 2,652 | 4,09,371 | 4,207 | 112,280 | 13 | 14,480 | 62,464 |
| Shahabad | 38 | 1,754 | 11,93,469 | 7,583 | 304,680 | 129 | 10,196 | 49,790 |
| Saran | 172 | 505 | 12 89,416 | 296 | 64,995 | 226 | 11,751 | 81,611 |
| Champaran | 33 | 599 | 9,94,058 | 28,077 | 131,399 | 431 | 12,813 | 91,476 |
| Muzaffarpur | 26 | 639 | 9,29,904 | 11,333 | 326,655 | 159 | 12,692 | 102,574 |
| Darbhanga | 59 | 2,903 | 9,32,657 | 651 | 61,110 | 139 | 24,864 | 109,134 |
| Monghyr | 125 | 2,954 | 7,24,121 | 19,967 | 226,800 | 394 | 25,512 | 91,977 |
| Bhagalpur | 100 | 1,937 | 7,32,503 | 4,088 | 181,860 | 85 | 25,629 | 103,983 |
| Purnea | 10 | 1,970 | 5,22,649 | 25,715 | 48,440 | 64 | 26,943 | 105,581 |
| Sonthal Parganas | 163 | 5,369 | 2,93,219 | 830 | 157,115 | 66 | 17,901 | 75,260 |
| Darjeeling | ..... | 753 | 1,78,756 | 41,950 | 27,720 | 848 | 7,737 | 28,603 |
| Cooch Behar | ..... | 116 | 1,42,624 | 20,383 | 9,695 | 26 | 3,043 | 15,840 |
| Total Bihar | 2,163 | 23,907 | 91,00,861 | 1,75,426 | 2,156,350 | 4,412 | 235,458 | 1,019,724 |
| **Orissa** | | | | | | | | |
| Cuttack | 1,197 | 7,328 | 2,07,470 | 45,531 | 42,840 | 71 | ..... | 7,831 |
| Balasore | 988 | 5,989 | 1,27,682 | 3,467 | 121,320 | 6 | 3,890 | 57,409 |
| Puri | 25 | 661 | 37,912 | 2,634 | 10,595 | 32 | ..... | 13 |
| Sambalpur | 65 | 78 | 66,297 | 739 | 50,505 | 1 | ..... | 5 |
| Mourbhanj State | ..... | 204 | 18,122 | ..... | 7,280 | 5 | ..... | 8,940 |
| Total Orissa | 2,275 | 15,[illegible]60 | 4,57,453 | 52,371 | 232,340 | 115 | 3,890 | 74,189 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | ..... | 1,632 | 1,12,707 | 10,071 | 2,695 | 235 | 1,945 | 40,552 |
| Ranchi | 8 | 479 | 98,316 | 3,560 | 7,770 | 48 | 1,360 | 47,762 |
| Palamau | 9 | 49 | 1,50,396 | 2[illegible] | 11,200 | 375 | 1,785 | 29,199 |
| Manbhum | 5 | 2,858 | 2,66,415 | 9,124 | 22,120 | 719 | 16,307 | 78,677 |
| Singhbhum | ..... | 384 | 78,221 | 2,074 | 26,145 | 194 | 336 | 47,218 |
| Gangpur (Tributary State) | ..... | 16 | 16,042 | ..... | 4,270 | 17 | ..... | 396 |
| Total Chota Nagpur | 22 | 5,418 | 7,22,007 | 27,081 | 7[illegible]00 | 1,588 | 21,733 | 243,804 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 13,239 | 69,547 | 1,40,64,387 | 22,78,616 | 3,754,629 | 81,845 | 664,369 | 2,057,219 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 20,864 | 18,521 | 92,32,917 | 20,73,972 | 634,335 | 47,355 | 422,443 | 1,167,647 |
| Burma | 1,831 | 10,663 | 1,19,676 | 71,235 | 8,195,788 | ..... | ..... | 81 |
| U. P. of Agra and Oudh | 2,231 | 545 | 96,10,372 | 3,10,721 | 3,207,365 | 2,671 | 151,676 | 118,594 |
| Panjab | 1,293 | 97 | 22,01,105 | 1,12,517 | 2,967,895 | 879 | 7,747 | 104 |
| Sind and British Baluchistan | ..... | ..... | 417 | ..... | 2,007,465 | ..... | ..... | ..... |
| Kashmir State | ..... | ..... | 1,227 | ..... | [illegible] | ..... | ..... | ..... |
| Central Provinces and Berar | 219 | 129 | 3,32,282 | 7,979 | 788,935 | 149 | 6,680 | 1,584 |
| Bombay | ..... | ..... | 19,329 | 5,636 | 5,215,195 | ..... | ..... | ..... |
| Madras‡ | 371 | 2,978 | 1,17,364 | 14,914 | 1,794,700 | 48 | 3 | 197 |
| Rajputana and Central India | 208 | 6 | 4,41,501 | 2,256 | 128,520 | 32 | 5,886 | ..... |
| Nizam's Territory | 118 | ..... | 61,742 | 119 | 38,045 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 298 | 205 | ..... | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 9,500 | ..... | ..... | ..... |
| Pondichery | ..... | ..... | ..... | ..... | 146,600 | ..... | ..... | ..... |
| Port Blair | 2 | 319 | 480 | 120 | 300 | ..... | 105 | ..... |
| Grand Total — 1909 | 40,376 | 102,805 | 3,71,03,097 | 48,76,290 | 28,889,307 | 133,979 | 1,258,909 | 3,345,426 |
| Grand Total — 1908 | [illegible],398 | 110,339 | 4,57,66,763 | 38,24,745 | 25,629,409 | 112,231 | 1,215,853 | 3,209,610 |
| Grand Total — 1907 | 53,987 | 99,617 | 4,28,86,097 | 22,37,073 | 31,548,069 | 123,830 | 1,085,313 | 3,140,713 |

* The value rates are fi[illegible] quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny c[illegible], 2 yards = 1 bag

‡ The figures for M[illegible]as and other places served by the M and S M Railway for June are incomplete, as the returns due from that Railway have not ye[illegible]en received.

## No VI

*Statement of the Routes by which the Articles enumerated in Table No. V were exported from the Calcutta Trade Block in the three months of April to June 1909*

| Routes | Cotton twist and yarn | | Cotton piece-goods* | | Gunny-bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | Budge-Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| By boat ... ... ... ... ... ... ... ... | 1,775 | 917 | 4,31,600 | 4,37,300 | 133,009 | 51,068 | 52,485 | 351,493 |
| ,, river steamer ... ... ... ... ... ... | 21,254 | 4,070 | 56,06,299 | 10,65,072 | 410,165 | 13,221 | 342,571 | 806,093 |
| ,, rail: E. I. Railway ... ... ... ... ... | 8,376 | 26,276 | 1,16,45,625 | 4,94,277 | 4,325,720 | 5,231 | 279,549 | 579,175 |
| ,, rail: E. B. S. Railway (including B. O. Railway) | 8,092 | 21,391 | 68,45,391 | 14,24,251 | 884,485 | 10,871 | 404,544 | 688,227 |
| ,, rail: A.-B. Railway ... ... ... ... ... | 1,714 | 5,513 | 4,44,528 | 7,43,066 | 50,680 | 1,555 | 1,364 | 14,505 |
| ,, rail: B.-N. Railway ... ... ... ... ... | 2,161 | 23,239 | 15,89,068 | 80,525 | 803,775 | 880 | 6,100 | 312,045 |
| ,, rail: B. and N.-W. Railway ... ... ... ... | 486 | 5,295 | 67,46,232 | 43,838 | 1,447,390 | 1,294 | 100,165 | 542,701 |
| ,, rail: O. and B. Railway ... ... ... ... | 273 | 41 | 1,02,047 | 47,341 | 777,060 | 1,111 | 52,041 | 8 |
| ,, rail: Howrah-Amta and Howrah-Shoakhala Light Railways | 427 | ..... | 1,77,622 | ..... | 5,250 | 826 | ..... | 6,399 |
| ,, rail: Minor Railways ... ... ... ... ... | 1,201 | 130 | 10,86,144 | 27,001 | 3,047,555 | 2,792 | 10,932 | 672 |
| ,, road ... ... ... ... ... ... ... ... | 1,084 | 656 | 5,12,489 | 4,35,494 | 73,290 | 45,190 | 5,174 | 39,945 |
| ,, sea ... ... ... ... ... ... ... ... | 2,633 | 15,247 | 1,55,861 | 80,130 | 16,930,083 | ..... | 3,984 | 4,083 |
| Total ... 1909 ... | 40,376 | 102,805 | 8,71,03,097 | 48,78,290 | 28,889,307 | 133,979 | 1,258,909 | 3,345,426 |
| Total ... 1908 ... | 36,398 | 110,339 | 4,57,65,753 | 38,24,745 | 27,629,409 | 112,231 | 1,215,853 | 3,209,610 |
| Total ... 1907 ... | 53,987 | 99,617 | 4,28,86,097 | 24,37,073 | 31,548,069 | 123,830 | 1,085,313 | 3,140,713 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter
† Including gunny cloth, 2 yards = 1 bag.

*September 2, 1909.*

F. Noël-l'Aton,
*Director-General of Commercial Intelligence.*

J. G. Cumming,
*Secretary to the Government of Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of July 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... | 1. Burdwan ... ... | 35,[illegible] | 3[illegible] | 11·52 | 3 | ·96 | 5 | 1·68 | ... | ... | 23 | 7·80 | 5 | 1·68 | 1 | ·24 | 1 | ·24 | 12 | 4·08 | 50 | 16·92 | 64 | 21·72 | |
| Bankura ... | 2. Bankura ... ... | 20,73[illegible] | [illegible] | 21·36 | 6 | 3·36 | ... | ... | ... | ... | 13 | 7·44 | 2 | 1·08 | ... | ... | 1 | ·48 | 8 | 4·56 | 30 | 17·28 | 34 | 19·56 | |
| Midnapore ... | 3. Midnapore ... ... | 33,140 | [illegible] | 34·32 | 14 | 5·04 | 1 | ·36 | ... | ... | 52 | 18·72 | 9 | 3·24 | 1 | ·36 | ... | ... | 13 | 4·68 | 90 | 32·52 | 97 | 35·04 | |
| Hooghly ... | 4. Hooghly and Chinsura | 29,833 | [illegible]63 | 25·32 | 6 | 2·40 | ... | ... | ... | ... | 25 | 10·20 | 12 | 4·80 | 4 | 1·56 | 2 | ·72 | 13 | 7·32 | 67 | 27·36 | 61 | 24·84 | |
| | 5. Serampore ... ... | 44,451 | 84 | 22·56 | 7 | 1·80 | 3 | ·72 | ... | ... | 37 | 9·96 | 23 | 6·12 | ... | ... | 4 | ·96 | 20 | 5·28 | 94 | 25·32 | 7[illegible] | 19·08 | |
| Howrah ... | 6. Howrah ... ... | 157,594 | 246 | 18·72 | 6 | ·36 | 8 | ·60 | ... | ... | 104 | 7·80 | 31 | 2·28 | [illegible] | ·84 | 13 | ·96 | 67 | 5·04 | 240 | 18·24 | 347 | 26·40 | |
| 24-Parganas | 7. Cossipore-Chitpur ... | 40,750 | 40 | 11·76 | 2 | ·48 | 3 | ·84 | ... | ... | 8 | 2·28 | 10 | 2·88 | 17 | 4·92 | 5 | 1·44 | 44 | 12·84 | 89 | 26·16 | 22 | 6·36 | |
| | 8. Manikta[illegible] ... ... | 32,387 | 47 | 17·40 | 13 | 4·80 | 2 | ·72 | 2 | ·72 | 21 | 7·68 | 15 | 5·5[illegible] | 15 | 5·52 | ... | ... | 71 | 26·28 | 139 | 51·48 | 17 | 6·24 | |
| | 9. South Suburban .. | 26,374 | 78 | 35·40 | ... | ... | ... | ... | ... | ... | 31 | 14·04 | 1 | ·36 | ... | ... | 1 | ·36 | 11 | 4·92 | 44 | 19·92 | 35 | 15·84 | |
| | 10. Garden Reach .. | 28,211 | 82 | 34·80 | 6 | 2·[illegible]2 | 1 | ·36 | ... | ... | 25 | 10·56 | 16 | 6·72 | 10 | 4·20 | 2 | ·84 | 22 | 9·24 | 82 | 34·80 | 30 | 12·72 | |
| | 11. Baranagore ... ... | 25,433 | 40 | 18·84 | 2 | ·84 | 5 | 2·28 | 1 | ·36 | 15 | 6·[illegible] | 4 | 1·80 | 1 | ·36 | ... | ... | 12 | 5·64 | 40 | 18·84 | 37 | 17·40 | |
| | 12. Bhatpara .. ... | 21,540 | 33 | 18·36 | 32 | 17·76 | ... | ... | ... | ... | 23 | 12·[illegible]2 | 1 | ·48 | ... | ... | 8 | 4·44 | 4 | 2·16 | 68 | 37·80 | 36 | 20·04 | |
| Calcutta ... | 13. Calcutta ... ... | 847,796 | 1,640 | 23·16 | 119 | 1·68 | 8 | ·10 | 114 | 1·56 | 159 | 2·64 | 160 | 1·92 | 317 | 4·32 | 41 | ·48 | 759 | 10·68 | 1,676 | 23·64 | 1,632 | 23·04 | |
| Nadia ... | 14. Krishnagar ... .. | 24,547 | 39 | 18·96 | ... | ... | ... | ... | ... | ... | 17 | 8·28 | ... | ... | 1 | ·48 | 1 | ·48 | 4 | 1·92 | 23 | 11·16 | 33 | 16·08 | |
| | 15. Santipur ... ... | 26,898 | 91 | 40·56 | ... | ... | ... | ... | ... | ... | 26 | 11·52 | 2 | ·84 | ... | ... | 1 | ·36 | 8 | 3·48 | 37 | 16·44 | 54 | 24·00 | |
| Murshidabad | 16. Berhampore ... ... | 24,397 | 68 | 33·36 | 2 | ·96 | ... | ... | ... | ... | 33 | 16·20 | 1 | ·48 | 1 | ·48 | ... | ... | 17 | 8·28 | 54 | 26·52 | 60 | 29·40 | |
| Patna ... | 17. Patna City ... ... | 123,091 | 292 | 28·44 | 94 | 9·12 | 9 | ·84 | ... | ... | 121 | 11·76 | 45 | 4·32 | 16 | 1·44 | 12 | 1·08 | 180 | 17·52 | 477 | 46·44 | 499 | 48·60 | |
| | 18. Bihar ... .. | 45,063 | 61 | 16·44 | 1 | ·24 | ... | ... | ... | ... | 29 | 7·68 | 9 | 2·28 | 1 | ·24 | 2 | ·48 | 16 | 4·20 | 58 | 15·36 | 96 | 25·56 | |
| | 19. Dinapore Nizamut .. | 53,698 | 49 | 17·40 | ... | ... | ... | ... | ... | ... | 9 | 3·12 | 1 | ·24 | 2 | ·60 | 1 | ·24 | 20 | 7·08 | 33 | 11·64 | 52 | 18·48 | |
| Gaya ... | 20. Gaya ... ... | 71,416 | 229 | 38·40 | 19 | 3·12 | 2 | ·24 | ... | ... | 177 | 29·64 | 41 | 6·84 | 5 | ·84 | 8 | 1·32 | 66 | 11·04 | 318 | 53·40 | 311 | 52·20 | |
| Shahabad ... | 21. Arrah ... ... | | | | | | | | | | | | | | | | | | | | | | | | |
| | 22. Sasaram ... ... | | | | | | | | | | | | | | | | | | | | | | | | |
| Saran ... | 23. Chapra ... ... | 45,901 | 108 | 28·20 | 23 | 6·00 | 1 | ·24 | ... | ... | 54 | 14·04 | 7 | 1·80 | 1 | ·24 | 8 | 2·04 | 53 | 13·80 | 147 | 38·40 | 138 | 36·00 | Return not yet received. |
| Champaran... | 24. Bettiah ... .. | 24,696 | 68 | 33·00 | ... | ... | ... | ... | ... | ... | 27 | 12·12 | 1 | ·48 | ... | ... | 5 | 2·40 | 15 | 6·24 | 41 | 21·36 | 67 | 32·52 | |
| Muzaffarpur | 25. Muzaffarpur ... ... | 45,617 | 143 | 37·56 | ... | ... | ... | ... | ... | ... | 54 | 14·16 | 7 | 1·80 | 6 | 1·56 | 8 | 2·04 | 48 | 12·60 | 123 | 32·28 | 89 | 23·40 | |
| | 26. Hajipur ... ... | 21,398 | 45 | 26·88 | ... | ... | ... | ... | ... | ... | 28 | 15·60 | ... | ... | 1 | ·48 | 7 | 3·84 | 57 | 20·64 | 73 | 40·92 | 58 | 33·00 | |
| Darbhanga ... | 27. Darbhanga ... ... | 56,234 | 193 | 34·92 | ... | ... | 1 | ·12 | ... | ... | 67 | 12·12 | 16 | 2·88 | ... | ... | 1 | ·12 | 113 | 20·40 | 198 | 35·76 | 160 | 28·92 | |
| Monghyr ... | 28. Monghyr ... ... | 35,880 | 118 | 39·36 | 9 | 3·00 | 2 | ·60 | ... | ... | 43 | 14·28 | 8 | 2·64 | 2 | ·60 | 6 | 1·92 | 44 | 14·64 | 114 | 38·04 | 103 | 34·44 | |
| Bhagalpur ... | 29. Bhagalpur ... ... | 75,760 | 128 | 20·16 | 32 | 5·04 | 7 | 1·08 | ... | ... | 66 | 10·44 | 7 | 1·08 | 10 | 1·56 | 4 | ·60 | 32 | 5·04 | 158 | 24·96 | 177 | 27·96 | |
| Cuttack ... | 30. Cuttack ... ... | 51,364 | 103 | 24·00 | 13 | 3·00 | ... | ... | ... | ... | 32 | 7·44 | 13 | 3·00 | ... | ... | ... | ... | 13 | 3·00 | 71 | 16·56 | 111 | 25·92 | |
| Balasore ... | 31. Balasore ... ... | 20,880 | 38 | 21·72 | ... | ... | ... | ... | ... | ... | 1 | ·48 | 6 | 3·36 | ... | ... | ... | ... | 14 | 8·04 | 21 | 12·00 | 25 | 14·28 | |
| Puri ... | 32. Puri ... ... | 49,334 | 40 | 9·72 | 47 | 11·40 | 2 | ·48 | ... | ... | 39 | 9·48 | 16 | 3·84 | 5 | 1·20 | ... | ... | 37 | 8·88 | 146 | 35·40 | 197 | 47·88 | |
| Ranchi ... | 33. Ranchi ... ... | 23,810 | 101 | 50·88 | ... | ... | 2 | ·96 | ... | ... | 13 | 6·48 | 3 | 1·44 | ... | ... | ... | ... | 23 | 11·52 | 41 | 20·64 | 71 | 35·76 | |
| | Total of all towns with a population of 20,000 and over ... ... ... | 2,153,056 | 4,436 | 24·72 | 456 | 2·52 | 62 | ·24 | 117 | ·60 | 1,329 | 7·68 | 452 | 2·40 | 419 | 2·28 | 141 | ·72 | 1,739 | 9·96 | 4,845 | 27·00 | 4,785 | 26·64 | |
| | Average of corresponding month of previous five years ... ... .. | ..... | 3,553 | 19·80 | 498 | 2·76 | 73 | ·36 | 118 | ·60 | 1,444 | 8·04 | 431 | 2·40 | 352 | 1·92 | 126 | ·60 | 1,743 | 9·60 | 4,785 | 26·64 | ... | ... | |
| | Difference + or — | ..... | +883 | +4·92 | −42 | −·24 | −11 | −·12 | −1 | Equal | −45 | −·36 | +21 | Equal | +67 | +·36 | +15 | +·12 | +56 | +·36 | +60 | +·36 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 17th September 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of the districts of Bengal for the month of July 1909.*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,384 | 34·32 | 317 | 2·40 | 1 | ·36 | ... | ... | 2,159 | 16·80 | 65 | ·48 | 11 | ·08 | 57 | ·36 | 779 | 6·00 | 3,439 | 26·88 | 3,205 | 25·08 | |
| | Birbhum | 902,280 | 2,517 | 33·36 | 217 | 2·88 | 1 | ·60 | ... | ... | 1,642 | 21·72 | 23 | ·24 | 6 | ·07 | 27 | ·24 | 332 | 3·96 | 2,268 | 30·12 | 2,235 | 29·64 | |
| | Bankura | 1,116,411 | 3,651 | 39·24 | 402 | 4·32 | 22 | ·12 | ... | ... | 1,657 | 17·76 | 66 | ·60 | 7 | ·07 | 45 | ·48 | 640 | 6·84 | 2,839 | 30·48 | 2,460 | 26·40 | |
| | Midnapore | 2,789,114 | 7,565 | 32·52 | 220 | ·84 | 143 | ·60 | ... | ... | 3,179 | 13·56 | 117 | ·48 | 16 | ·06 | 72 | ·24 | 1,058 | 4·44 | 4,805 | 20·64 | 5,616 | 24·12 | |
| | Hooghly, including Serampore | 1,049,041 | 2,483 | 28·44 | 74 | ·84 | 55 | ·60 | ... | ... | 1,211 | 13·80 | 122 | 1·32 | 45 | ·48 | 67 | ·72 | 422 | 4·80 | 1,996 | 22·80 | 1,984 | 22·68 | |
| | Howrah | 850,514 | 1,836 | 25·80 | 40 | ·48 | 58 | ·72 | ... | ... | 534 | 7·44 | 147 | 2·04 | 52 | ·72 | 78 | 1·08 | 384 | 5·40 | 1,293 | 18·24 | 1,568 | 22·08 | |
| Presidency | 24-Parganas | 2,078,369 | 5,182 | 29·88 | 154 | ·84 | 103 | ·48 | 3 | ·01 | 1,793 | 10·32 | 109 | ·60 | 92 | ·48 | 182 | ·96 | 753 | 4·32 | 3,189 | 18·36 | 3,259 | 18·72 | |
| | Calcutta | 847,796 | 1,640 | 23·16 | 119 | 1·68 | 8 | ·10 | 114 | 1·56 | 189 | 2·64 | 140 | 1·92 | 307 | 4·32 | 40 | ·48 | 759 | 10·68 | 1,676 | 23·64 | 1,632 | 23·04 | |
| | Nadia | 1,667,491 | 5,085 | 36·48 | 8 | ·04 | 23 | ·12 | ... | ... | 814 | 12·96 | 10 | ·06 | 4 | ·02 | 97 | ·60 | 600 | 4·20 | 2,556 | 18·36 | 3,153 | 22·68 | |
| | Murshidabad | 1,333,184 | 4,721 | 42·48 | 56 | ·48 | 19 | ·12 | ... | ... | 1,548 | 13·92 | 10 | ·08 | 5 | ·03 | 93 | ·72 | 377 | 5·16 | 2,308 | 20·76 | 3,128 | 28·08 | |
| | Jessore | 1,813,155 | 3,270 | 21·60 | 20 | ·12 | 32 | ·12 | ... | ... | 2,138 | 14·04 | 7 | ·03 | 5 | ·02 | 84 | ·48 | 317 | 2·04 | 2,603 | 17·16 | 3,199 | 21·12 | |
| | Khulna | 1,253,043 | 3,048 | 29·16 | 24 | ·12 | 14 | ·12 | ... | ... | 1,895 | 18·12 | 9 | ·08 | 3 | ·02 | 72 | ·60 | 556 | 5·28 | 2,573 | 24·60 | 2,363 | 22·56 | |
| Patna | Patna | 1,624,742 | 4,022 | 29·64 | 528 | 3·84 | 136 | ·96 | 21 | ·12 | 2,769 | 20·60 | 313 | 2·28 | 123 | ·84 | 154 | 1·08 | 1,590 | 11·64 | 5,639 | 41·64 | 5,905 | 43·56 | |
| | Gaya | 2,089,933 | 5,107 | 29·64 | 147 | ·84 | 71 | ·36 | ... | ... | 3,952 | 22·92 | 76 | ·36 | 7 | ·03 | 190 | 1·08 | 893 | 5·16 | 5,336 | 31·08 | 8,657 | 50·40 | |
| | Shahabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Tirhut | Saran | 2,410,154 | 6,775 | 33·72 | 194 | ·96 | 106 | ·48 | 1 | ·09 | 2,791 | 13·80 | 301 | 1·44 | 92 | ·36 | 212 | ·96 | 2,085 | 10·32 | 5,802 | 28·80 | 6,367 | 31·68 | Return not yet received. |
| | Champaran | 1,790,463 | 6,921 | 46·32 | 227 | 1·44 | 57 | ·36 | ... | ... | 2,920 | 19·56 | 10 | ·06 | 1 | ·006 | 145 | ·96 | 1,117 | 7·44 | 4,477 | 30·30 | 5,179 | 34·68 | |
| | Muzaffarpur | 2,754,790 | 8,395 | 36·48 | 341 | 1·44 | 32 | ·12 | 1 | 0·03 | 5,141 | 22·32 | 34 | ·12 | 11 | ·03 | 347 | 1·44 | 1,218 | 5·28 | 7,125 | 30·96 | 7,457 | 32·40 | |
| | Darbhanga | 2,912,611 | 8,738 | 36·00 | 305 | 1·20 | 32 | ·12 | 9 | ·03 | 7,590 | 31·20 | 219 | ·84 | 6 | ·02 | 369 | 1·44 | 1,281 | 5·16 | 9,808 | 40·32 | 7,391 | 30·36 | |
| Bhagalpur | Monghyr | 2,068,804 | 6,749 | 39·12 | 437 | 2·52 | 22 | ·12 | ... | ... | 3,841 | 22·20 | 23 | ·12 | 7 | ·03 | 231 | 1·32 | 960 | 5·52 | 6,526 | 32·04 | 5,960 | 34·56 | |
| | Bhagalpur | 2,088,983 | 5,729 | 32·88 | 409 | 2·28 | 36 | ·12 | ... | ... | 4,443 | 25·44 | 16 | ·09 | 11 | ·06 | 176 | ·96 | 544 | 3·12 | 5,637 | 32·28 | 5,182 | 29·76 | |
| | Purnea | 1,874,794 | 5,250 | 33·60 | 14 | ·08 | 29 | ·12 | ... | ... | 3,510 | 22·[illegible] | 2 | ·01 | 4 | ·02 | 134 | ·84 | 164 | ·96 | 3,857 | 24·60 | 4,100 | 26·16 | |
| | Darjeeling | 249,117 | 731 | 35·16 | ... | ... | 1 | ·04 | ... | ... | 528 | 25·32 | 123 | 5·88 | 1 | ·04 | 9 | ·36 | 157 | 7·56 | 819 | 39·36 | 968 | 46·56 | |
| | Sonthal Parganas | 1,809,787 | 3,848 | 25·44 | 378 | 2·40 | 54 | ·24 | ... | ... | 2,537 | 16·80 | 37 | ·24 | 4 | ·02 | 71 | ·36 | 375 | 2·40 | 3,456 | 22·80 | 5,356 | 35·40 | |
| Orissa | Cuttack | 2,922,758 | 4,334 | 25·20 | 289 | 1·68 | 17 | ·09 | ... | ... | 1,503 | 8·64 | 472 | 2·64 | 35 | ·12 | 161 | ·84 | 918 | 5·28 | 3,390 | 19·68 | 5,588 | 32·40 | |
| | Balasore | 1,971,197 | 3,013 | 33·72 | 51 | ·48 | 59 | ·60 | ... | ... | 799 | 5·88 | 117 | 1·20 | ... | ... | 67 | ·72 | 1,077 | 12·00 | 2,170 | 24·24 | 2,844 | 31·80 | |
| | Puri | 1,017,284 | 2,528 | 29·76 | 395 | 4·56 | 10 | ·10 | ... | ... | 500 | 5·88 | 378 | 4·44 | 126 | 1·44 | 70 | ·72 | 814 | 9·60 | 2,293 | 27·00 | 3,242 | 37·92 | |
| | Sambalpur | 636,850 | 2,[illegible]42 | 43·68 | 11 | ·12 | 8 | ·12 | ... | ... | 538 | 10·08 | 146 | 2·64 | 50 | ·96 | 28 | ·48 | 473 | 8·88 | 1,259 | 23·64 | 2[illegible] | 17·28* | * For three years. |
| | Angul and Khondmals | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Not under registration. |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 3,7[illegible] | 37·68 | 37 | ·36 | 33 | ·36 | ... | ... | 1,952 | 19·80 | 14 | ·12 | 5 | ·04 | 105 | ·96 | 447 | 4·44 | 2,598 | 26·40 | 4,065 | 41·40 | |
| | Ranchi | 1,187,[illegible] | 4,8[illegible] | 48·48 | ... | ... | 80 | ·72 | ... | ... | 1,490 | 15·00 | 159 | 1·56 | 1 | ·009 | 64 | ·60 | 730 | 7·32 | 2,594 | 25·44 | 2,876 | 29·04 | |
| | Palamau | 619,[illegible] | 1,[illegible]25 | 35·24 | 10 | ·12 | 76 | 1·44 | ... | ... | 925 | 17·88 | 9 | ·12 | 2 | ·03 | 53 | ·96 | 281 | 5·40 | 1,356 | 26·16 | 3,002 | 58·08 | |
| | Manbhum | 1,30[illegible]4 | 4,715 | 43·44 | 95 | ·84 | 25 | ·12 | ... | ... | 1,857 | 17·04 | 26 | ·12 | 5 | ·03 | 55 | ·48 | 452 | 4·08 | 2,518 | 23·16 | 3,428 | 31·56 | |
| | Singhbhum | [illegible],579 | 1,356 | 26·40 | 6 | ·10 | 20 | ·36 | ... | ... | 764 | 14·88 | 7 | ·12 | ... | ... | 31 | ·60 | 95 | 1·80 | 923 | 18·00 | 1,246 | 24·36 | |
| | Total | [illegible],565,750 | 136,254 | 33·60 | 5,525 | 1·32 | 1,488 | ·36 | 159 | ·03 | 70,109 | 17·28 | 3,314 | ·72 | 1,054 | ·24 | 3,586 | ·84 | 22,813 | 5·52 | 108,038 | 26·64 | 123,537 | 30·48 | |
| | Average of corresponding months of previous five years ... ... ... | ..... | 138,291 | 34·08 | 13,845 | 3·36 | 1,567 | ·36 | 231 | ·04 | 75,261 | 18·48 | 3,921 | ·84 | 867 | ·12 | 3,573 | ·84 | 24,372 | 6·00 | 123,537 | 30·48 | ... | ... | |
| | Difference + or — ... | ..... | −2,037 | −·48 | −8,320 | −2·04 | −79 | Equal. | −62 | −·01 | −5,152 | −1·20 | −507 | −·12 | +187 | +·12 | +13 | Equal | −1,559 | −·48 | −15,479 | −3·84 | ... | ... | |

Office of Sanitary Commissioner for Bengal,

*The 17th September 1909.*

F. C. Clarkson, Lieut.-Col., I.M.S.,

*Sanitary Commissioner for Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 18th September 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 18th September 1909. | | | Week ending Saturday, the 19th September 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 464 | 58,920 | 990 | 445 | 48,830 | 682 |
| Jute ... ... | 176 | 50,778* | 716 | 119 | 34,140† | 529 |
| Firewood ... ... | 28 | 24,870 | 375 | 34 | 14,795 | 230 |
| Other articles ... ... | 696 | 2,25,602 | 2,354 | 633 | 1,49,100 | 1,568 |
| Total ... | 1,364 | 3,60,170 | 4,435 | 1,231 | 2,46,865 | 3,009 |

* Weight by canal measurement, 58,750 maunds.
† Ditto ditto, 41,250 ,,

CALCUTTA,
*The 21st September 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of August 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... .. | 29·663 | | |
| The average pressure of August from 44 years' registers ... | 29·596 | | |
| The highest pressure in the month ... ... ... | 29·872 | 31st | 10 |
| The lowest pressure in the month ... .. ... | 29·485 | 3rd | 16 |
| The range of pressure ... ... ... ... | 0·387 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 95·2 | | |
| The maximum possible number of hours of sunshine ... | 398·4 | | |
| | ° | | |
| The mean temperature of the month ... ... ... | 82·7 | | |
| The average temperature of August from 20 years' registers ... | 82·5 | | |
| The highest temperature in the month ... ... ... | 92·3 | 13th | |
| The lowest temperature in the month . ... ... | 74·0 | 14th | |
| The range of temperature during the month ... ... | 18·3 | | |
| The mean daily range of temperature ... ... .. | 10·1 | | |
| The greatest range of temperature in one day ... .. | 16·4 | 13th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 87 | | |
| The average humidity of August from 20 years' registers ... | 88 | | |
| | Inches. | | |
| The mean vapour tension of the month .. ... .. | 0·948 | | |
| The average vapour tension of August from 20 years' registers | 0·957 | | |
| The mean cloud proportion of the month ... ... | 8·32 | | |
| The average cloud proportion of August from 32 years' registers ... ... ... ... ... | 8·09 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 15·17 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 14·34 | | |
| The average fall of August from 24 years' registers ... | 12·69 | | |
| The greatest fall in 24 hours ... ... .. | 3·56 | 30th | |
| | Days. | | |
| The number of rainy days in the month ... ... | 20 | | |
| The average number of rainy days in August from 24 years' registers ... ... ... ... ... | 19 | | |
| The mean maximum equilibrium temperature of solar radiation during the month ... ... ... ... | 136·8 | | |
| The mean difference of sun and air temperatures ... .. | 48·7 | | |
| The greatest sun temperature ... ... ... | 153·3 | 31st | |
| The greatest excess of sun over air temperature ... .. | 65·1 | | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... ... ... | 76·5 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... ... | 1·5 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... ... | 2·4 | 17th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 108·9 | | |
| The greatest movement of the wind in one day ... ... | 213 | 29th | |
| The greatest movement of the wind in one hour ... ... | [illegible] | 29th | 6 to 7 A.M. and 9 to 10 A.M. |

The number of hours with winds from each of the eight points—

N. 25, N.E. 5, E. 8, S.E. 82, S. 182, S.W. 248, W. 135, N.W. 30, Calm 29.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 20th September 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th September 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fah. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Sept. | 12th | 149·4 | 4·3 | 29·546 | 87·0 | 92·7 | 10·9 | 81·8 | 82·2 | 1·051 | 80·7 | 84 | W and NNW ... | 89 | Nil | Partially cloudy, o, d. |
| ,, | 13th | 103 2 | 0·0 | ·563 | 78·1 | 80·9 | 5·0 | 75·9 | 77·1 | 0·918 | 76·7 | 94 | NNW ... | 93 | 1·03 | Cloudy o, d, g, p, t, <. |
| ,, | 14th | 144·4 | 5·0 | ·565 | 81·5 | 87·1 | 10·7 | 76·4 | 78·2 | ·947 | 77·6 | 92 | W by N and SE | 114 | 2·18 | Partially cloudy, o, d, g, p, t. |
| ,, | 15th | 145·9 | 6·4 | ·653 | 82·4 | 87·5 | 9·7 | 77·8 | 78·7 | ·932 | 77·1 | 83 | SSE, S, and S by E. | 144 | 0·25 | Partially cloudy, d. |
| ,, | 16th | 145·5 | 7·8 | ·699 | 83·2 | 89·7 | 12·4 | 77·3 | 78·7 | ·926 | 76·9 | 82 | S by E and SSW. | 94 | 0·55 | Partially cloudy. o, d, p |
| ,, | 17th | 150·8 | 8·6 | 660 | 84·9 | 91·9 | 13·5 | 78·4 | 80·4 | ·912 | 76·4 | 82 | SW and WSW ... | 91 | 0·02 | Partially cloudy. |
| ,, | 18th | 143·6 | 4·4 | ·569 | 85·9 | 91·4 | 10·4 | 81·0 | 81·4 | 1·006 | 79·4 | 80 | WSW ... | 91 | Nil | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·608 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·671 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 36·5 |
| The maximum possible number of hours of sunshine ... ... ... | 85·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 83·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 83·4 |
| The extreme variation of temperature ... ... ... ... | 16·8 |
| The maximum temperature ... ... ... ... ... | 92·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 10 |
| | % |
| The mean relative humidity ... ... ... ... ... | 85 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| | Inches. |
| The total fall of rain from 12th to 18th September 1909 ... ... | 4·03 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·21 |
| The total fall from 1st January to 18th September 1909 ... ... | 63·23 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 55·07 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; t, thunder; p, passing temporary showers; g, gloomy; < lightning.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 20th September 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

## EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of June 1909, as compared with the same month of the previous year. (For 4 weeks.*

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 2 | 27 | ..... | 25 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 63,308 | 72,186 | ..... | 8,878 | |
| 3 | Cotton— | | | | | |
| | (1) Raw | 145 | 167 | ..... | 22 | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European | 67 | 72 | ..... | 5 | |
| | (b) Ditto, Indian | 407 | 208 | 199 | ..... | |
| | (c) Piece-goods, European | 1,291 | 1,296 | ..... | 5 | |
| | (d) Ditto, Indian | ..... | 414 | ..... | 414 | |
| | (e) Others | ..... | ..... | ..... | ..... | |
| 4 | Chemicals, excepting saltpetre | 83 | 138 | ..... | 55 | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium | 1 | 2 | ..... | 1 | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations | 10 | 5 | 14 | ..... | |
| | (b) Others | 24 | 19 | 5 | ..... | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes | ..... | ..... | ..... | ..... | |
| | (3) Cutch | 11 | 24 | ..... | 13 | |
| | (4) Indigo | ..... | 1 | ..... | 1 | |
| | (5) Myrabolams | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks | ..... | ..... | ..... | ..... | |
| | (7) Turmeric | 193 | 211 | ..... | 18 | |
| | (8) Others | 19 | 18 | 1 | ..... | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake | 1,487 | 1,257 | 230 | ..... | |
| | (2) Hay, straw and grass | 1,605 | 2,497 | .... | 892 | |
| 8 | Fruits and vegetables, fresh | 2,527 | 1,163 | 1,364 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse | 6,499 | 4,059 | 2,440 | ..... | |
| | (2) Jawar and bajra | ..... | ..... | ..... | ..... | |
| | (3) Rice in the husk | 17,825 | 12,219 | 5,606 | ..... | |
| | (4) Do. not in the husk | 26,478 | 8,528 | 17,950 | ..... | |
| | (5) Wheat | 337 | 297 | 40 | ..... | |
| | (6) Do. flour | 857 | 1,005 | ..... | 148 | |
| | (7) Others | 3,206 | 553 | 2,653 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | 238 | 899 | ..... | 661 | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned | ..... | ..... | ..... | ..... | |
| | (b) Raw | ..... | 63 | ..... | 20 | |
| 11 | Horns | ..... | 25 | ..... | 25 | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 1,521 | 127 | 1,394 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw | 13,144 | 19,937 | ..... | 6,793 | |
| | (2) Gunny-bags and cloth | 2,308 | 1,181 | 1,127 | ..... | |
| 14 | Lac | 82 | 90 | ..... | 8 | |
| 15 | Leather— | | | | | |
| | (1) Unwrought | ..... | 2 | ..... | 2 | |
| | (2) Wrought, excepting boots and shoes | 1 | ..... | 1 | ..... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer | 32 | 40 | ..... | 8 | |
| | (2) Spirits of all kinds, including country spirit. | 47 | 91 | ..... | 44 | |
| | (3) Wine | | | | | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | ..... | ..... | ..... | ..... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought | 8 | 29 | ..... | 21 | |
| | (2) Do., manufactured | 160 | 240 | ..... | 80 | |
| | (3) Copper, unwrought | ..... | 1 | ..... | 1 | |
| | (4) Do., manufactured | 19 | ..... | 19 | ..... | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought | ..... | 6 | ..... | 6 | |
| | (b) Wrought | ..... | ..... | ..... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 1,961 | 2,356 | ..... | 395 | |
| | (ii) Machinery and mill works | 154 | 368 | ..... | 214 | |
| | (iii) Other manufactured, including hardware and cutlery. | 869 | 1,344 | ..... | 475 | |
| | (6) Metallic ores | ..... | ..... | ..... | ..... | |
| | (7) Others | 2,379 | 784 | 1,595 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone | 2,926 | 1,867 | 1,059 | ..... | |
| | (2) Chalk | 2,640 | 2,104 | ..... | 464 | |
| | (3) Lime | | | | | |
| | (4) Others | ..... | ..... | ..... | ..... | |
| 19 | Oils— | | | | | |
| | (1) Kerosine | 26,820 | 14,697 | 12,123 | ..... | |
| | (2) Castor | 30 | 10 | 20 | ..... | |
| | (3) Cocoanut | 128 | 121 | 7 | ..... | |
| | (4) Mustard and rape | 574 | 469 | 105 | ..... | |
| | (5) Others | 369 | 51 | 318 | ..... | |

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuations by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 20 | Oilseeds— | | | | | |
| | (1) Castor | 136 | ..... | 136 | ..... | |
| | (2) Earthnuts | ..... | ..... | ..... | ..... | |
| | (3) Linseed | 1,104 | 551 | 553 | ..... | |
| | (4) Poppy | ..... | ..... | ..... | ..... | |
| | (5) Rape and mustard | 3,409 | 3,065 | 344 | ..... | |
| | (6) Til or jinjili | 994 | 337 | 657 | ..... | |
| | (7) Others | 66 | 128 | ..... | 62 | |
| 21 | Opium | 3 | 6 | ..... | 3 | |
| 22 | Paper and pasteboard | 784 | 693 | 91 | ..... | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts | 13 | ..... | 13 | ..... | |
| | (2) Ghee | 54 | 57 | ..... | 3 | |
| | (3) Others | 1,087 | 1,706 | ..... | 619 | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | ..... | 26 | ..... | 26 | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates | ..... | 86 | ..... | 86 | |
| | (b) Sleepers and keys of steel and cast. iron. | 27 | ..... | 27 | ..... | |
| | (c) Others | 89 | 1,524 | ..... | 1,435 | |
| 25 | Salt | 8,606 | 7,530 | 1,076 | ..... | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre | ..... | 8 | ..... | 8 | |
| | (2) Other saline substances | 320 | 248 | 72 | ..... | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | 22 | 22 | ..... | ..... | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign | ..... | ..... | ..... | ..... | |
| | (b) Indian | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts | 762 | 870 | ..... | 108 | |
| | (2) Cardamoms | 13 | 21 | ..... | 8 | |
| | (3) Chillies | 528 | 326 | 202 | ..... | |
| | (4) Ginger | 158 | 111 | 47 | ..... | |
| | (5) Pepper | 24 | 57 | ..... | 33 | |
| | (6) Others | 282 | 283 | ..... | 1 | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallised, including sugar-candy. | 925 | 939 | ..... | 14 | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar | 1,128 | 988 | 140 | ..... | |
| | (b) Gur, rab, jaggery, molasses, and other saccharine produce. | 2,609 | 3,010 | ..... | 401 | |
| 30 | Tea— | | | | | |
| | (1) Foreign | ..... | ..... | ..... | ..... | |
| | (2) Indian | 2,356 | 3,000 | ..... | 644 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured | 4,021 | 4,877 | ..... | 856 | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars | ..... | ..... | ..... | ..... | |
| | (b) Other sorts | 158 | 76 | 82 | ..... | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought | 2,348 | 4,950 | ..... | 2,602 | |
| | (2) Manufactured | 732 | 346 | 386 | ..... | |
| 33 | Wool— | | | | | |
| | (1) Raw | 95 | 97 | ..... | 2 | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs | | | | | |
| | (b) Piece-goods, European | 24 | 9 | 15 | ..... | |
| | (c) Ditto, Indian | | | | | |
| | (d) Other sorts of manufactures | | | | | |
| 34 | All other articles of merchandise | 12,507 | 7,173 | 5,334 | ..... | |
| | Total | 227,228 | 196,388 | 57,445 | 26,605 | |

CALCUTTA, *the 17th September 1909.*

P. C. MOLE,
*Offg. Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 4th September 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 457,154 | 3,86,277 0 0 | 51,74,654 0 | 7,58,688 0 0 | 48,000 0 0 | 11,92,965 0 0 | 158,604 | 158,231 | 316,835 |
| Or per mile of railway ... ... | ... | 168 7 9 | ... | 330 14 9 | 20 15 9 | 520 5 6 | ... | ... | ... |
| For previous 8¾ weeks of half-year | 4,244,900 | 35,76,913 0 0 | 4,72,40,766 0 | 72,51,460 0 0 | 3,94,514 0 0 | 1,12,22,887 0 0 | 1,344,859 | 1,410,786 | 2,755,645 |
| Total for 9¾ weeks ... | 4,702,054 | 39,63,190 0 0 | 5,24,15,420 0 | 80,10,148 0 0 | 4,42,514 0 0 | 1,24,15,852 0 0 | 1,503,463 | 1,569,017 | 3,072,480 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 455,189 | 3,84,176 13 9 | 77,38,151 10 | 11,07,784 6 6 | 42,367 2 4 | 15,34,328 7 7 | 160,506 | 220,023 | 380,529 |
| Per mile of railway corresponding week of previous year ... . | ... | 167 9 5 | ... | 483 3 11 | 18 7 9 | 669 5 1 | ... | ... | ... |
| Total for corresponding 9¾ weeks of previous year ... ... ... | 4,850,354 | 40,29,507 9 8 | 6,97,12,215 10 | 1,00,98,021 1 6 | 4,03,108 1 5 | 1,45,30,636 12 7 | 1,529,671 | 2,104,483 | 3,634,354 |

(a) The decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,39,303 | 88,76,828 | 14,22,529 | 67,395 | 21,23,227 | 926 | 489,778 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 502,716 | 4,11,780 | 54,45,775 | 8,93,670 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, .. | 473,208 | 3,95,111 | 58,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,669 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| 2,292·37 | ,, ,, 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,686 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,496 | 53,97,973 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,264 | 47,157 | 12,27,302 | 535 | 318,498 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | 463,001 | 3,86,319 | 60,37,455 | 8,79,913 | 47,157 | 13,13,389 | 573 | 320,509 | 3 15 7 |
| 2,292·65 | ,, ,, 4th Sept. ... | 457,154 | 3,86,277 | 51,74,654 | 7,58,688 | 48,000 | 11,92,965 | 520 | 316,835 | 3 12 3 |
| | Totals up to date ... | 4,702,054 | 33,63,190 | 5,24,15,420 | 80,10,148 | 4,42,514 | 1,24,15,852 | 574 | 3,072,480 | 4 0 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 14 days of July ... | 906,8[illegible] | 7,04,635 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 597,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, ... | 519,876 | 4,37,456 | 68,40,536 | 10,03,384 | 42,352 | 14,89,192 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 500,317 | 4,55,341 | 76,08,996 | 10,44,813 | 45,468 | 15,45,652 | 674 | 377,687 | 4 1 6 |
| 2,292·38 | ,, ,, 1st Aug. ... | 497,536 | 4,13,416 | 69,17,570 | 10,92,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | ,, ,, 8th ,, ... | 507,181 | 4,48,391 | 67,89,405 | 10,53,817 | 45,698 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,92,335 | 41,223 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 463,462 | 3,89,[illegible] | 84,46,451 | 10,49,897 | 41,727 | 14,80,654 | 646 | 374,643 | 3 15 3 |
| 2,292·38 | ,, ,, 29th ,, . | 444,837 | 3,81,[illegible] | 75,35,936 | 10,80,206 | 45,853 | 14,87,565 | 649 | 382,512 | 3 14 3 |
| 2,292·38 | ,, ,, 5th Sept. ... | 436,189 | 3,84,177 | 77,38,151 | 11,07,784 | 42,367 | 15,34,328 | 669 | 380,529 | 4 0 6 |
| | Totals up to date ... | 4,850,354 | 40,29,507 | 6,97,12,215 | 1,00,98,021 | 4,03,108 | 1,45,30,636 | 662 | 3,634,354 | 4 0 0 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 4th September 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 16,586 | 5,270 0 0 | 6,613 0 | 231 0 0 | 14 0 [illegible] | 5,515 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 237 4 6 | ..... | 16 6 5 | 0 10 1 | 248 5 0 | ..... | ..... | ..... |
| For previous 8¾ weeks of half-year | 176,243 | 35,835 0 0 | 94,190 0 | 3,656 0 0 | 102 0 0 | 39,593 0 0 | 11,315 | 1,313 | 12,628 |
| Total for 9¾ weeks ... | 193,129 | 44,105 0 0 | 1,00,803 0 | 3,887 0 0 | 116 0 0 | 48,108 0 0 | 12,652 | 1,472 | 14,124 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 18,609 | 4,855 5 4 | 46,890 20 | 551 13 0 | 4 10 3 | 5,411 12 7 | 1,353 | 325 | 1,678 |
| Per mile of railway corresponding week of previous year. | ..... | 218 9 9 | ..... | 24 13 7 | 0 3 4 | 243 10 8 | ..... | ..... | ..... |
| Total for corresponding 9¾ weeks of previous year. | 220,032 | 51,551 9 6 | 2,37,503 30 | 3,872 11 0 | 63 4 6 | 55,402 9 0 | 13,006 | 1,723 | 14,729 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 26,502 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " .. | 19,924 | 4,356 | 12,073 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 3,931 | 13,809 | 419 | 13 | 4,363 | 198 | 1,540 | 2 13 8 |
| 22·21 | " " 7th Aug. ... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,360 | 241 | 1,496 | 3 9 3 |
| 22·21 | " " 14th " ... | 18,326 | 4,077 | 8,544 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 8 |
| 22·21 | " " 21st " ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,496 | 2 13 0 |
| 22·21 | " " 28th " ... | 17,599 | 3,348 | 8,694 | 357 | 13 | 3,718 | 167 | 1,496 | 2 7 9 |
| 22·21 | " " 4th Sept. ... | 16,836 | 5,370 | 6,613 | 231 | 14 | 5,515 | 248 | 1,496 | 3 11 0 |
| | Totals up to date ... | 193,129 | 44,105 | 1,00,803 | 3,887 | 116 | 48,108 | 230 | 14,124 | 3 6 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 21,777 | 4,528 | 20,025 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | " " 1st Aug. ... | 19,748 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | " " 15th " ... | 23,556 | 5,600 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | " " 22nd " ... | 16,105 | 3,739 | 6,289 | 269 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | " " 29th " ... | 17,754 | 3,824 | 9,790 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | " " 25th Sept. ... | 18,609 | 4,855 | 46,801 | 553 | 5 | 5,412 | 244 | 1,678 | 3 3 7 |
| | Totals up to date ... | 2,20,052 | 51,551 | 2,37,504 | 3,873 | 69 | 55,493 | 261 | 14,729 | 3 12 3 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 4th September 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 26,5 0 | 21,019 0 0 | 1,55,052 0 | 11,318 0 0 | 119 0 0 | 23,356 0 0 | 10,054 | 2,935 | 12,989 |
| Or per mile of railway ... ... | ... | 129 7 4 | ... | 69 1 6 | 0 11 9 | 199 4 7 | ... | ... | ... |
| For previous 8½ weeks of half-year. | 243,719 | 1,95,859 0 0 | 11,56,593 0 | 89,738 0 0 | 1,024 0 0 | 2,86,310 0 0 | 82,740 | 25,655 | 108,404 |
| Total for 9½ weeks .. | 270,259 | 2,16,878 0 1 | 13,11,675 0 | 1,00,645 0 0 | 1,143 0 0 | 3,18,666 0 0 | 92,803 | 28,590 | 1,218,393 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 27,370 | 21,632 1 10 | 1,56,968 30 | 12,404 14 3 | 58 5 3 | 34,095 5 4 | 11,763 | 4,355 | 16,118 |
| Per mile of railway corresponding week of previous year ... | ... | 133 3 9 | ... | 76 6 6 | 0 5 9 | 210 0 0 | ... | ... | ... |
| Total for corresponding 9½ weeks of previous year .. | 279,977 | 2,01,484 5 1 | 19,91,145 10 | 1,36,935 10 7 | 376 3 9 | 3,38,796 3 5 | 112,062 | 41,939 | 154,001 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Periods. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,127 | 33,656 | 1,58,737 | 13,454 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 25,037 | 25,294 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | " " 24th " ... | 28,908 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,093 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | 21,989 | 1,26,441 | 9,290 | 114 | 31,393 | 193 | 12,962 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | " " 14th " ... | 30,222 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,238 | 2 11 1 |
| 162·36 | " " 21st " ... | 28,703 | 22,010 | 1,71,359 | 13,397 | 114 | 35,521 | 218 | 13,279 | 2 10 8 |
| 162·36 | " " 28th " ... | 27,948 | 22,032 | 1,39,919 | 10,698 | 114 | 32,845 | 202 | 13,254 | 2 7 8 |
| 162·36 | " " 4th Sept. ... | 26,510 | 21,019 | 1,55,082 | 11,218 | 119 | 32,356 | 199 | 13,989 | 2 7 10 |
| | Totals up to date ... | 279,259 | 2,16,878 | 13,11,675 | 1,00,645 | 1,143 | 3,18,666 | 208 | 121,393 | 2 10 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,788 | 33,292 | 3,42,317 | 22,538 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,00[illegible] | 2 5 7 |
| 162·36 | " " 25th " ... | 29,531 | 21,315 | 2,04,269 | 13,134 | 36 | 34,485 | 212 | 16,[illegible] | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,129 | 20,102 | 2,28,869 | 15,659 | 27 | 35,788 | 220 | 16,2[illegible] | 2 3 3 |
| 162·36 | " " 8th " ... | 31,133 | 22,623 | 2,31,471 | 17,154 | 30 | 39,807 | 245 | 16,7[illegible] | 2 5 11 |
| 162·36 | " " 15th " ... | 31,051 | 22,402 | 1,73,774 | 13,198 | 32 | 35,692 | 220 | 15,6[illegible] | 2 4 8 |
| 162·36 | " " 22nd " ... | 25,944 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,[illegible] | 2 0 1 |
| 162·36 | " " 29th " ... | 26,843 | 18,890 | 2,47,257 | 15,761 | 38 | 34,689 | 214 | 16,21[illegible] | 2 2 3 |
| 162·36 | " " 5th Sept. ... | 27,370 | 21,632 | 1,56,969 | 12,405 | 58 | 34,095 | 210 | 16,118 | 2 1 10 |
| | Totals up to date ... | 279,077 | 2,01,484 | 19,91,145 | 1,36,936 | 376 | 3,38,796 | 218 | 154,001 | 2 3 2 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 4th September 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 47,000 | 32,000 0 0 | 276,000 0 | 40,000 0 0 | 4,500 0 0 | 76,500 0 0 | 14,502 | 18,631 | 33,133 |
| Or per mile of railway ... | 61·20 | 41·67 | 357·98 | 51 83 | 5·84 | 99·39 | 18·88 | 24·16 | 43 04 |
| For previous 9 weeks of half-year ... ... ... ... | 453,000 | 3,00,000 0 0 | 2,217,500 0 | 3,69,000 0 0 | 29,000 0 0 | 6,98,000 0 0 | 121,215 | 157,889 | 279,104 |
| Total for 10 Weeks ... | 500,000 | 3,32,000 0 0 | 2,493,500 0 | 4,09,000 0 0 | 33,500 0 0 | 7,74,500 0 0 | 135,717 | 176,520 | 312,237 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 45,585 | 26,869 0 0 | 291,987 0 | 48,931 0 0 | 4,899 0 0 | 80,695 0 0 | 15,154 | 19,494 | 34,648 |
| Per mile of railway corresponding week of previous year ... | 59·36 | 34·99 | 378·71 | 63·46 | 6 35 | 104·80 | 19·73 | 25·28 | 45 01 |
| Total to corresponding date of previous year ... ... ... | 469,122 | 2,79,995 0 0 | 2,559,351 0 | 4,36,330 0 0 | 38,692 0 0 | 7,55,017 0 0 | 150,985 | 188,130 | 339,115 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 4th September 1909. | | | Receipts for week ending 5th September 1908. | | | Total receipts from 1st April 1909 to 4th September 1909. | | | Total receipts from 1st April 1908 to 5th September 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 76,500 | 99·39 | 771 | 80,695 | 104·80 | 771 | 19,28,515 | ... | 771 | 18,57,036 | ... | 71,479 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 4th September 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... .. ... | 305,960 | 1,10,470 (a) | 6,31,040 | 70,670 (b) | 12,570 (c) | 1,93,710 | 57,820 | 30,613 (d) | 88,433 |
| Or per mile of railway ... ... | 163 89 | 59·17 | 338·00 | 37·85 | 6·73 | 103·75 | ..... | ..... | ..... |
| For previous 8¾ weeks of half-year ... ... ... ... | 2,866,740 | 10,35,450 | 66,80,070 | 8,04,630 | 1,57,960 | 19,98,040 | 490,583 | 283,662 | 774,245 |
| Total for 9¾ weeks ... | 3,172,720 | 11,45,920 | 73,11,110 | 8,75,300 | 1,70,530 | 21,91,750 | 548,703 | 313,975 | 862,678 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 287,005 | 1,03,990 | 7,87,752 | 84,881 | 16,518 | 2,05,389 | 60,775 | (e) 36,287 | 97,062 |
| Per mile of corresponding week of previous year ... ... ... | 160·25 | 58·06 | 439·84 | 47·40 | 9·22 | 114·68 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 3,100,839 | 11,98,992 | 90,24,764 | 9,97,671 | 2,28,396 | 24,25,059 | 567,170 | 378,376 | 945,546 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 1 91 | | 2·31 | ·14 | 2·19 | | | |
| Ditto for corresponding week of previous year ... ... | | 1·71 | | 2·34 | ·17 | 2·12 | | | |

(a) Increase under passengers due to Jhulan *mela* held earlier last year.
(b) Decrease chiefly under foreign inwards.
(c) Ditto mainly under steam-boat.
(d) Includes 6,674 miles of ballast trains.
(e) Ditto 9,076 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 11th September 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 552,860 | 1,86,100 0 0 | 2,333,130 0 | 4,52,130 0 0 | 25,690 0 0 | 6,63,920 0 0 | 76,766 | (d)58,971 | 135,737 |
| Or per mile of railway ... ... | (a)411 | (a)138 0 0 | 1,559 0 | 302 0 0 | (c)1 0 0 | (c)428 0 0 | ... | ... | ... |
| For previous 10 weeks of half-year ... ... ... ... | 4,082,710 | 15,39,420 0 0 | 17,267,270 0 | 26,68,850 0 0 | 2,50,780 0 0 | 44,59,050 0 0 | 726,567 | 501,981 | 1,228,548 |
| Total for 11 weeks ... | 4,635,570 | 17,25,520 0 0 | 19,600,400 0 | 31,20,980 0 0 | 2,76,470 0 0 | 51,22,970 0 0 | 803,333 | 560,952 | 1,364,285 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 311,860 | 1,50,541 0 0 | (e)1,860,670 0 | 3,38,580 0 0 | 21,717 0 0 | 5,10,838 0 0 | 72,932 | 49,105 | 122,037 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)254 | (b)122 0 0 | 1,460 0 | 266 0 0 | 1 0 0 | 385 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 4,788,161 | 18,16,531 0 0 | 20,990,520 0 | 29,50,314 0 0 | 2,65,941 0 0 | 50,32,686 0 0 | 785,355 | 542,203 | 1,327,618 |

(a) Excluding 152 miles open for goods traffic only.
(b) Excluding 45 miles open for goods traffic only.
(c) Excluding steamer earnings, Rs. 23,700.
(d) Excluding ballast train-miles 9,129.
(e) Increase is chiefly due to jute traffic and Janmastami mela traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 11th September 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 69,910 | 17,760 0 0 | 74,580 0 | 5,450 0 0 | 170 0 0 | 23,380 0 0 | 5,335 | (a)1,344 | 6,680 |
| Or per mile of railway ... | 813 | 207 0 0 | 867 0 | 63 0 0 | 2 0 0 | 272 0 0 | ... | ... | ... |
| For previous 10 weeks of half-year ... ... ... ... | 349,310 | 92,370 0 0 | 468,860 0 | 33,490 0 0 | 1,960 0 0 | 1,27,820 0 0 | 51,728 | 13,538 | 65,266 |
| Total for 11 weeks ... | 419,220 | 1,10,130 0 0 | 543,440 0 | 38,940 0 0 | 2,130 0 0 | 1,51,200 0 0 | 57,064 | 14,882 | 71,946 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 41,570 | 11,913 0 0 | 83,591 0 | 7,223 0 0 | 71 0 0 | 19,207 0 0 | 5,656 | 1,496 | 7,152 |
| Per mile of railway corresponding week of previous year ... | 483 | 138 0 0 | 972 0 | 84 0 0 | 1 0 0 | 223 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 497,352 | 1,32,092 0 0 | 804,652 0 | 52,583 0 0 | 2,4[illegible] 0 0 | 1,87,699 0 0 | 59,862 | 17,209 | 77,071 |

(a) Includes ballast train-miles, 700.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 11th September 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,740 | 1,310 0 0 | 19,580 0 | 1,740 0 0 | 10 0 0 | 3,060 0 0 | 441 | (a)943 | 1,384 |
| Or per mile of railway ... ... | 111 | 39 0 0 | 583 0 | 52 0 0 | ..... | 91 0 0 | ... | ... | ... |
| For previous 10 weeks of half-year ... ... ... ... | 32,180 | 12,560 0 0 | 163,980 0 | 13,290 0 0 | 100 0 0 | 25,950 0 0 | 4,186 | 19,728 | 23,914 |
| Total for 11 weeks ... | 35,920 | 13,870 0 0 | 183,560 0 | 15,030 0 0 | 110 0 0 | 29,010 0 0 | 4,627 | 20,671 | 25,298 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 2,570 | 1,253 0 0 | 15,853 0 | 1,600 0 0 | 6 0 0 | 2,859 0 0 | 441 | 887 | 1,328 |
| Per mile of railway corresponding week of previous year ... | 76 | 37 0 0 | 472 0 | 48 0 0 | .. . | 85 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 33,774 | 14,918 0 0 | 247,749 0 | 21,251 0 0 | 119 0 0 | 36,288 0 0 | 4,690 | 18,201 | 22,891 |

(a) Excluding ballast train-miles, 1,025.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 11th September 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total Earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 11,200 | 3,190 0 0 | 98,980 0 | 5,370 0 0 | 20 0 0 | 8,580 0 0 | 1,540 | (a) 836 | 2,376 |
| Or per mile of railway .. .. | 207 | 59 0 0 | 1,833 0 | 100 0 0 | ..... | 159 0 0 | .. | ... | |
| For previous 10 weeks of half-year ... ... ... ... ... | 107,130 | 31,570 0 0 | 338,310 0 | 21,730 0 0 | 250 0 0 | 53,550 0 0 | 17,930 | 4,614 | 22,544 |
| Total for 11 weeks ... | 118,330 | 34,760 0 0 | 432,290 0 | 27,100 0 0 | 270 0 0 | 62,130 0 0 | 19,470 | 5,450 | 24,920 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 12,550 | 3,740 0 0 | 73,603 0 | 4,076 0 0 | 34 0 0 | 7,850 0 0 | 1,988 | 994 | 2,982 |
| Per mile of railway corresponding week of previous year ... | 232 | 69 0 0 | 1,363 0 | 75 0 0 | 1 0 0 | 145 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... .. ... | 144,554 | 43,423 0 0 | 400,089 0 | 25,076 0 0 | 3 26 0 0 | 68,430 0 0 | 20,996 | 6,119 | 27,115 |

(a) Ballast train-miles, *Nil*.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 11th September 1909... | Coaching ... | 7,262 0 0 | 16,581 0 0 |
| | Goods .. | 9,272 0 0 | |
| | Other earnings ... | 47 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 6,477 0 0 | 16,243 0 0 |
| | Goods ... | 9,721 0 0 | |
| | Other earnings ... | 45 0 0 | |
| | Increase ... | | 338 0 0 |
| Receipts per mile for the week ending 11th September 1909 ... | ... ... ... | | 325 1 11 |
| Ditto for the corresponding period of 1908 | ... ... | | 318 7 10 |
| | Increase ... | | 6 10 1 |
| Receipts from 1st July to 11th September 1909 ... | ... ... ... | | 1,74,978 0 0 |
| Ditto for the corresponding period of 1908 | ... ... ... | | 1,61,685 0 0 |
| | Increase ... | | 13,293 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 22nd September 1909.

REGISTERED No. C 209.]

No. 39 of 1909.

# SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, SEPTEMBER 29, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Liberality of Raja Rao Jogendra Narayan Ray Bahadur of Lalgola ... ... ... .. ... ... | 1441 |
| Report on the working of the Licensed Jute Warehouse and Fire-Brigade Act, 1908-09 ... ... ... | 1442—1481 |
| Prospectus of the Industrial and Agricultural Exhibition of the Punjab, North-West Frontier Province and Kashmir, 1909 ... ... ... ... ... | 1482—1491 |
| Weather and Crop Report for the week ending the 27th September 1909 ... ... .. ... .. | 1492—1497 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th September 1909 | 1498—1505 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 25th September 1909 .. ... ... ... | 1506 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th September 1909 ... ... ... ... ... .. ... | 1507 |
| Railway Returns .. .. .. .. | 1508—1512 |

## LIBERALITY OF RAJA RAO JOGENDRA NARAYAN RAY BAHADUR OF LALGOLA.

No. 824T.-Medl., dated Darjeeling, the 24th September 1909.

From—H. WHEELER, Esq., Secretary to the Govt. of Bengal, Municipal Dept.,

To—The Inspector-General of Civil Hospitals, Bengal.

I AM directed to acknowledge the receipt of your letter No. 2322D., dated the $\frac{4th}{8th}$ instant, reporting the generous offer of Raja Rao Jogendra Narayan Ray Bahadur of Lalgola in the district of Murshidabad to erect and equip an eye hospital at the Berhampur dispensary, at a cost of Rs. 18,000, and to create an endowment of Rs. 24,000 for its future maintenance. These gifts are in addition to the endowment of Rs. 40,000 for the same purpose already given by the Raja, and acknowledged in Mr. Oldham's letter No. 205T.-Medl., dated the 19th of May 1908. The ward will be known as the "Rao Mahesh Narayan Ray Eye Hospital."

2. I am to request you to convey to the Raja the high appreciation of the Lieutenant-Governor of his munificence, and to thank him for the liberality which he has displayed in the matter.

## REPORT ON THE WORKING OF THE LICENSED JUTE WARE-HOUSE AND FIRE-BRIGADE ACT, 1908-09.

NOTIFICATION.

*No. 1338M.—The 11th September 1909.*—The following is published for general information.

H. WHEELER,
*Secy. to the Govt. of Bengal.*

No. 481, dated Calcutta, the 5th July 1909.

From—The Hon'ble Sir Charles Allen, Kt., I.C.S., Chairman of the Corporation of Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I have the honour to submit the following report under section 41 of Act I (B.C.) of 1893 for the year 1908-09.

2. The amount to be realised by fees during the year, as estimated by the Commissioner of Police, was Rs. 35,382, against Rs. 28,266 of the last year. But, as the year opened with a balance of Rs. 12,957, the amount of the fees to be realised under section 10 of the Act was reduced to Rs. 26,082, and the rate was in consequence lowered from 6½ to 5½ per cent. on the annual valuation of warehouses.

3. The work of assessment under the Act was done, as heretofore, by the general assessing staff of the License Department.

4. During the year, 108 new licenses were sanctioned and 13 refused, the corresponding figures for 1907-08 being 132 sanctioned and 18 refused.

The following statement gives the result of applications for licenses:—

| Nature of application. | Applications. | | Total. | Number sanctioned. | Number refused. | Number pending. |
|---|---|---|---|---|---|---|
| | Pending since last year. | Received during the year. | | | | |
| Jute ... | 1 | 42 | 43 | 32 | 11 | ... |
| Wood, &c. | 3 | 93 | 96 | 76 | 2 | 18 |
| Total ... | 4 | 135 | 139 | 108 | 13 | 18 |

5. During the year under review 60 licenses were issued for 1907-08 and 718 for 1908-09. The following is a statement of the aggregate amount of receipts:—

| | | Rs. | A. |
|---|---|---|---|
| License fees for 1907-08 ... ... ... | | 705 | 8 |
| Ditto 1908-09 ... ... ... | | 27,613 | 0 |
| Mutation fee ... ... .. ... | | 20 | 0 |
| Fines, &c. ... ... ... ... | | 946 | 0 |
| Total ... | | 29,284 | 8 |

6. Of the 763 licenses for warehouses issued in 1907-08, 623 were renewed, 57 were cancelled, as the premises were reported vacant or not assessable under the Act, while the fees in respect of 83 remained unrealised at the close of the year.

7. The following statement shows the receipts and disbursements of the License Warhouses Fund during the year 1908-09:—

| Receipts. | Amount. | Total | Expenditure. | Amount. | Total. |
|---|---|---|---|---|---|
| | Rs. A. P. | Rs. A. P. | | Rs. A. P | Rs. A. P. |
| To balance on 1st April 1908. | ..... | 12,957 14 9 | | | |
| Fees and Licenses ... | 28,318 8 0 | | Establishment. | 3,000 0 0 | |
| Fines ... ... | 946 0 0 | | Contribution to Fire-Brigade. | 70,764 0 0 | |
| Miscellaneous ... | 20 0 0 | | | | 73,764 0 0 |
| Contribution from Government for Establishment. | 3,000 0 0 | | Closing balance on 31st March 1909. | ..... | 6,860 6 9 |
| Contribution from Corporation. | 35,382 0 0 | 67,666 8 0 | | | |
| Total ... | ..... | 80,624 6 9 | Total ... | ..... | 80,624 6 9 |

The lists of Jute and other Licensed Warehouses for the year 1908-09 are appended.

*List of Warehouses other than Jute licensed during the year 1908-09.*

| Serial No. | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|
| 1 | 161/H/18 | Upper Chitpore Road | Shaik Sobiruddy. |
| 2 | 176/H/9 | Ditto ... | Ramchandra Mukherji. |
| 3 | 199/1 | Ditto ... | Khirodamoyee Dassi. |
| 4 | 199/1 | Ditto ... | Narain Chander Khan. |
| 5 | 199/1 | Ditto ... | Harinarain Radhagobinda Mullick. |
| 6 | 199/H/4 | Ditto ... | Bistoopado Hazra. |
| 7 | 199/6/H/3 | Ditto ... | Kheroda Charan Samanto. |
| 8 | 199/6/H | Ditto ... | Bamachuran Das & Sasibhusan Samanta. |
| 9 | 199/1 | Ditto ... | Surendranath Das. |
| 10 | 49/1 | Bosepara Lane ... | Bhagatram Hanumandas. |
| 11 | 228/2/H/24. | Upper Circular Road ... | Tarucknath Nundy. |
| 12 | 82 | Cornwallis Street ... | Kunye Lal. |
| 13 | 82 | Ditto ... | Bunwarilal. |
| 14 | 129 | Ditto ... | Romanath Nundy. |
| 15 | 96 | Ditto ... | Chundi Churn Pal. |
| 16 | 137/H/5 | Ditto ... | Rambrohmo Dey. |
| 17 | 138 | Ditto ... | Gungaram Biswas. |
| 18 | 138 | Ditto ... | Nanylal Auddy. |
| 19 | 138 | Ditto ... | Khettermohan Sen. |
| 20 | 82 | Ditto ... | Huridas Mandal. |
| 21 | 138 | Ditto ... | Hury Das Das. |
| 22 | 138 | Ditto ... | Bhugwandas Kaluram. |
| 23 | 37/H/3 | Canal West Road ... | Mohendranath Mukherji. |
| 24 | 39 | Ditto ... | Ramchander Biswas. |
| 25 | 41 | Ditto ... | B. B. Sen & Radhagobinda Bose. |
| 26 | 42 | Ditto ... | Taresh Chunder Ghose. |
| 27 | 43 | Ditto ... | Amritalal Roy. |
| 28 | 43 | Ditto ... | Ramdoyal Shome and Russick Lall Ghose. |
| 29 | 43 | Ditto ... | Bholanath Barooah. |
| 30 | 43 | Ditto ... | Russicklal Bose. |
| 31 | 43 | Ditto ... | Nagendranath Dey & Co. |
| 32 | 42/H/2 | Ditto ... | Amullyanath Biswas. |
| 32A | 32/2/1 | Ditto ... | Dwarkanath Muhury. |
| 33 | 18 | Gailiffe Street ... | Shama Churn Aditya. |
| 34 | 19 | Ditto ... | Ashutosh Newgee. |
| 35 | 20 | Ditto ... | Chander Kanto Chatterji. |
| 36 | 22/H/1 | Ditto ... | Bejoy Chander Bose. |
| 37 | 18/2 | Ditto ... | Madanmohan Ghose. |
| 38 | 18/2 | Ditto ... | Shamapado Sur. |
| 39 | 50 | Raja Rajballav Street | Lolitmohon Ganguly. |
| 40 | 9 | Ultadingi Road ... | Kherode Chander Sadkhan. |
| 41 | 5 | Shambazar Bridge Road. | Shaik Kayemali. |
| 42 | 161 | Aheeretola Street ... | Rashbehary Mitter. |
| 43 | 1/H/16 | Bonomally Sircar Street | Shaik Umiruddy. |
| 44 | 220 & 224 | Upper Chitpore Road | Kartick Chunder Soshibhusan Badack. |
| 45 | 243/H/20 | Ditto ... | Muttylal Roy. |
| 46 | 243/H/14 | Ditto ... | Manmathanath Mukherji. |
| 47 | 262 | Ditto ... | Shaik Jomiruddy. |
| 48 | 331 & 332 | Ditto ... | Poiragdas. |
| 49 | 335 | Ditto ... | Shaik Karim Box. |
| 50 | 1 | Joy Mitter Ghat Street | Bhootnath Ganguly. |
| 51 | 71/1 | Nimtolla Ghat Street... | Asiruddy. |
| 52 | 7 | Madan Mohan Dutt Lane. | Hurdutroy Nandlal. |
| 53 | 33 | Sobhabazar Street ... | Shaik Foolchand. |
| 54 | 58 | Ditto ... | Shaik Diloo. |
| 55 | 67/10 | Strand Road ... | Narsingdas Sagoremull. |
| 56 | 67/10 | Ditto ... | Ramprosad Chunilal. |
| 57 | 67 | Ditto ... | Hoare, Miller & Co. |
| 58 | 81 | Beadon Street ... | Shaik Sonatulla. |
| 59 | 3/H/2 | Brindaban Bose Lane... | Ramanath Nandy. |
| 60 | 139 | Upper Chitpore Road ... | Shaik Asiruddy. |
| 61 | 140/H/1 | Ditto ... | Shaik Basiruddy. |
| 62 | 149 | Ditto ... | Shaik Abbash. |

| Serial No. | | Locality of Warehouses. | Names of Licensees. |
|---|---|---|---|
| 63 | 76/1 | Cornwallis Street ... | Rambrohmo Dey. |
| 64 | 79/3/1 | Ditto ... | Manmathanath Chackerbutty. |
| 65 | 148 | Ditto ... | Jagendranath Khan. |
| 66 | 105/1 | Durgachurn Mitter Street. | Haroo Mollah. |
| 67 | 29/1 | Grey Street ... | Nripendrachunder Bose. |
| 68 | 29/1 | Ditto ... | Das, Dutt, Ray & Co. |
| 69 | 111/H/1 | Manicktolla Road ... | Surendranath Nayek. |
| 70 | 146 | Ditto ... | Shaik Fullan. |
| 71 | 9/3 | Peary Mohun Sur Lane | Tarini Churn Bose. |
| 72 | 163/H/9 | Musjeedbaree Street ... | Shaik Jakoo. |
| 73 | 86/H/2 | Ultadingi Road ... | Muchiram Ghose. |
| 74 | 15/H/1 | Canal West Road ... | Purna Chunder Das. |
| 75 | 15/H/1 | Ditto ... | Poresh Nath Bose. |
| 76 | 16/H/3 | Ditto ... | Ansuddy Mullick. |
| 77 | 18/H/4 | Ditto ... | Surendranath Nayek. |
| 78 | 18/H/2 | Ditto ... | Rai Churn Dey. |
| 79 | 18/H/3 | Ditto ... | Purna Chunder Raha. |
| 80 | 18/H/3 | Ditto ... | Motilal Mitter. |
| 81 | 17/H/48 | Ditto ... | Bhugwan Maity. |
| 82 | 17/H/36 | Ditto ... | Serajuddy Mirdya. |
| 83 | 17/H/35 | Canal West Road ... | Khettermohan Bhattacharjee. |
| 84 | 19/2 | Ditto ... | Manmathanath Shee. |
| 85 | 19/H/30 | Ditto ... | Shaik Jungly. |
| 86 | 16 | Ditto ... | Nibaran Chunder Dey. |
| 87 | 16/H/9 | Ditto ... | Shaik Bakerally. |
| 88 | 16/H/17 | Ditto ... | Dabendranath Ker. |
| 89 | 16/H/8 | Ditto ... | Shaik Nando Goladar. |
| 90 | 19/H | Ditto ... | Sitanath Raha. |
| 91 | 19/H/41 | Ditto ... | Ditto. |
| 92 | 19/1 | Ditto ... | Kunjobehary Sen and Koilash Chunder Dutt. |
| 93 | 19/H/8 | Ditto ... | Ramdoyal Shome. |
| 94 | 19/H/9 | Ditto ... | Dabendranath Das. |
| 95 | 19 | Ditto ... | Rai Churn Ghose and Uma Churn Ghose. |
| 96 | 19/H/2 | Ditto ... | Rai Churn Dey. |
| 97 | 19/H/3 | Ditto ... | Bhupendra Nath Raha. |
| 98 | 19 | Ditto ... | Abinash Chunder Sen. |
| 99 | 19/1 | Ditto ... | Arman Bibi. |
| 100 | 18/H/2 | Ditto ... | Shiboo Bhuttacharjee. |
| 101 | 15/H/1 | Ditto ... | Ofazuddy Mullick and Abdul Sukur Kaji. |
| 102 | 16/H/11 | Ditto ... | Shaik Nando Goledar. |
| 103 | 18/H/11 | Ditto ... | Kinkur Chunder Pal. |
| 104 | 18/H/2 | Ditto ... | Jagendranath Shome. |
| 105 | 18/H/3 | Ditto ... | Purna Chunder Bose. |
| 106 | 121 | Upper Circular Road | Nripendranath Bhuttacharji. |
| 107 | 92/2 | Ditto ... | G. Nundy & Co. |
| 108 | 258/15/2<br>258/16 | Ditto ... | Kinkur Chunder Pal. |
| 109 | 258/17 | Ditto ... | Romanath Nundy. |
| 110 | 120 | Ditto ... | Durgadut Ramlal. |
| 111 | 18 | Badoorbagan 2nd Lane | Nandy Bros. |
| 112 | 3 | Gas Street ... | Nando Goledar. |
| 113 | 3/H/3 | Ditto ... | Mofesuddy Mullick. |
| 114 | 3/H/3 | Ditto ... | Chuttoo. |
| 115 | 5 | Ditto ... | Mahammed Hossain. |
| 116 | 5/3/H/1 | Ditto ... | Shaik Khodabux. |
| 117 | 6/H/2 | Ditto ... | Somiruddy Sircar. |
| 118 | 96 | Gurpar Road ... | Sarat Chunder Bose and Basanto Coomar Mitter. |
| 119 | 13 | Manicktolla Road ... | Durga Churn Dey. |
| 120 | 31/1 | Burtolla Street ... | Shamsuddy Mullick. |
| 121 | 1 | Brojogobindo Shaw Lane. | Mohendranath Ghose. |
| 122 | 391 | Upper Chitpore Road | Golaproy Poddar. |
| 123 | 17 | Durpanarain Tagore Street. | Ramkissen. |
| 124 | 22 | Durmahatta Street ... | Korim Mullick. |
| 125 | 34 | Ditto ... | Shaik Khorsedally. |

| Serial No. | Locality of Warehouses. | | | Names of Licensees. |
|---|---|---|---|---|
| 126 | 37 | Darmahatta Street | ... | Kristodhan Sircar. |
| 127 | 63 & 63/H/1 | Ditto | ... | Horendra Nath Biswas. |
| 128 | 64/H/1/2 | Ditto | ... | Kalachand Shaw and Ram Prosad Biswas. |
| 129 | 64/H/3 | Ditto | ... | Profulla Coomar Sircar. |
| 130 | 64/H/4 | Ditto | ... | Bunbehary Jagot Chunder Shaw. |
| 131 | 64/H/5 | Ditto | ... | Purna Chunder, Bama Churn Comar. |
| 132 | 65 | Ditto | ... | Prolhad Chunder Bhowmick. |
| 133 | 65/H/1 | Ditto | ... | Ramlal Ghose & Co. |
| 134 | 64/H/7<br>64/H/8 | Ditto | ... | Lalbehary Sircale. |
| 135 | 65 & 65/1/2 | Ditto | ... | Heralal Sircar. |
| 136 | 65/H/4 | Ditto | ... | Koylash Chunder Biswas. |
| 137 | 65/1/C | Ditto | ... | Peary Mohun, Soshi Mohun Shaw. |
| 138 | 65/1 | Ditto | ... | Jotindranath Mitter Bros. & Co. |
| 139 | 65/1/H/6 | Ditto | ... | Ramchunder Ker. |
| 140 | 65/1 | Ditto | ... | Borodakanto Roy Chowdhury. |
| 141 | 65/1/H/7<br>65/1/H/8<br>65/1/H/18 | Ditto | ... | Ramchander Chatterji & Joggessur Sercale. |
| 142 | 65/1/2/H | Ditto | ... | Nerodmohan Roy. |
| 143 | 65/1/H/12<br>65/1/H/13<br>65/1/H/15 | Ditto | ... | Gopal Chunder Sickder. |
| 144 | 65/1/H/17 | Ditto | ... | Beharylal Dey. |
| 145 | 65/1 | Ditto | ... | Nakulessur Das. |
| 146 | 65/1/H/19 | Ditto | ... | Surendranath Sarkar & Co. |
| 147 | 65/1/H/20 | Ditto | ... | Ramdas Dey. |
| 148 | 65/1/H/21 | Ditto | ... | Koylash Chander Biswas. |
| 149 | 65/1/H/22 | Ditto | ... | Pearymohan, Soshimohan Shaw. |
| 150 | 65/1/H/23 | Ditto | ... | Dinobandhoo Shaw & Bros. C. B. as Kala Chand Shaw. |
| 151 | 65/1 | Ditto | ... | Ramlal Bose. |
| 152 | 65/1 | Ditto | ... | Udhub Chunder Biswas. |
| 153 | 65/1/H/27 | Ditto | ... | Pearymohan, Soshimohan Shaw. |
| 154 | 65/1/H | Ditto | ... | Ramlal Bose. |
| 155 | 65/1/H/28 | Ditto | ... | Ramlal Ghose & Co. |
| 156 | 65/1 | Ditto | ... | Beharilal Dey. |
| 157 | 65/1/H/29 | Ditto | ... | Gopal Chunder Sickdar & Akhoy Chunder Sercale. |
| 158 | 65/1/H/29/1 | Ditto | ... | Ramchandra Chatterji & Joggessur Sercale. |
| 159 | 65/1/H/30 | Ditto | ... | G. C. Bose, Aviram Sett. |
| 160 | 65/1 | Ditto | ... | Satish Chunder Biswas & Co. |
| 161 | 65/1/H/35 | Ditto | ... | Thacoordas Bhuthnath Bera. |
| 162 | 65/1/H/36 | Ditto | ... | Preonath Sircar & Co. |
| 163 | 67/H/1 | Ditto | ... | Dinobandhoo Shaw Brothers C. B. as Kala Chand Shaw. |
| 164 | 68/H/1 | Ditto | ... | Pearymohan, Soshimohan Shaw. |
| 165 | 68/H/2 | Ditto | ... | Herumbonath Banerji. |
| 166 | 69 | Ditto | ... | Girish Chunder Bose. |
| 167 | 184/H/1 | Ditto | ... | Girish Chunder Bose. |
| 168 | 185 | Ditto | ... | Surendranath Dey. |
| 169 | 187/H/2 | Ditto | ... | Kedarnath, Bejoylal Sircar Bros. |
| 170 | 187/H/6 | Ditto | ... | Janokinath Sircar. |
| 171 | 187/H/7 & 8 | Ditto | ... | Aviram Sett. |
| 172 | 187/H/10<br>187/H/11 | Ditto | ... | Sreeram Chunder Ghoshal and another. |
| 173 | 187/H/12 | Ditto | ... | Ramdas Ganguly. |
| 174 | 187/H/12 | Ditto | ... | Surendranath Sircar & Co. |
| 175 | 187/H/13 | Ditto | ... | Upendranath Coomar. |
| 176 | 187/H/14 | Ditto | ... | Dhirendranath Sircar. |
| 177 | 187/H/15 | Ditto | ... | Bunwarilal Bose. |
| 178 | 187/H/16<br>187/H/17 | Ditto | ... | Dinobandhu Shaw Bros. C. B. as Kala Ch Shaw. |
| 179 | 187 | Ditto | ... | Mohadeb Prosad Poddar. |
| 180 | 187 | Ditto | ... | Preonath Ghose. |
| 181 | 187 | Ditto | ... | Udhab Chunder Ghose. |
| 182 | 187 | Ditto | ... | Nobokumar Ghose. |
| 183 | 187 | Ditto | ... | Krishnadhan Sircar |
| 184 | 192 | Ditto | ... | Akhoy Coomar Mullick & Co. |

| Serial No. | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|
| 185 | 26 | Horolal Das Lane ... | Bejoy Gopal Roy. |
| 186 | 15 | Jorabagan Street ... | Troylokhonath Ghose. |
| 187 | 9/14 | Kalakur Street ... | Shaik Komaruddy. |
| 188 | 9/16 | Ditto ... | Shaik Tomizuddy. |
| 189 | 14/1 | Nimtolla Ghat Street | Mohadeb Prosad, Kasiprosad. |
| 190 | 20/1/1 | Ditto ... | Shaik Ismail and Kasimuddy. |
| 191 | 56 | Ruttun Sircar Garden Street. | Abdul Baree Khan. |
| 192 | 10 | Sobharam Bysack Sreet. | Delaruddin Khan. |
| 193 | 38/3 | Shibtolla Street ... | Badal Khan. |
| 194 | 62 | Strand Road ... | Rakhal Das Sircar. |
| 195 | 67/16 | Ditto ... | Bhickraj Sagormall. |
| 196 | 67/19 | Ditto ... | Johurmull Birijmohan. |
| 197 | 67/19 | Ditto ... | Sewdutroy Seraogey. |
| 198 | 67/20 | Ditto .. | Golaproy Sewbux. |
| 199 | 67/21 | Ditto ... | Anando Chunder Coondoo. |
| 200 | 67/21 | Ditto ... | Rai Bhugwandas Bagla Bros. |
| 201 | 67/23/24 | Ditto ... | Memraj Murlidhar Bagla. |
| 202 | 67/24 | Ditto ... | Balmukund Luchminarain. |
| 203 | 67/25 | Ditto ... | Bamra Timber Agency. |
| 204 | 67/26 | Ditto ... | Motilal Radhaksen. |
| 205 | 150 | Baranashi Ghose Street | Nandolal Dey. i |
| 206 | 159 | Machuabazar Street ... | Nemjadick Goledar. |
| 207 | 139 | Muktaram Babu Street | Badan Mullick. |
| 208 | 11 | Bonfield Lane ... | Omesh Chunder Dutt. |
| 209 | 13 | Ditto ... | Janakidas Sewnarain. |
| 210 | 48 | Canning Street ... | Ditto. |
| 211 | 56/1 | Ditto ... | Shaik Durbaree. |
| 212 | 56/1 | Ditto ... | Golam Kader Mullick. |
| 213 | 60 | Ditto ... | Shaik Erfanally. |
| 214 | 60 | Ditto ... | Shaik Meajan. |
| 215 | 65 | Ditto ... | Shaik Kasemally. |
| 216 | 95 | Ditto ... | F. P. Maladaroo & Co. |
| 217 | 95 | Ditto ... | Gopessur Laha. |
| 218 | 56/1 | Ditto .. | Shaik Gahurally. |
| 219 | 104 | Ditto ... | Makbulally. |
| 220 | 36 | Clive Street ... | Sreebas Dutt. |
| 221 | 40 | Ditto ... | Haridas Rakhit & Co. |
| 222 | 78/3 | Ditto ... | Ramsagore Singh & Co. |
| 223 | 48 | Ditto ... | Chinibash Dey. |
| 224 | 70 | Ditto ... | Hurypado Dutt. |
| 225 | 16 | David Joseph Lane ... | Shibchunder Dhany. |
| 226 | 16 | Ditto ... | Benodbehary Seal. |
| 227 | 16 | Ditto ... | A. M. Esabhoy. |
| 228 | 4 | Ditto ... | Ashutosh Dutt & Co. |
| 229 | 9 | Ezra Street ... | Mirzamull Juggernath. |
| 230 | 40 | Ditto ... | Mohemeddin Fuzildin. |
| 231 | 5 | Sukea Lane ... | Nobin Chunder Ghose. |
| 232 | 11/1 | Ditto ... | Shib Chunder Dhang. |
| 233 | 13 | Ditto ... | A. M. Esabhoy. |
| 234 | 2 | Swallow Lane ... | Michael & Co. |
| 235 | 14 | Ramsebuck Mullick Lane. | Koylash Chander Ker. |
| 236 | 21 | Ditto ... | Kedarnath Ghose & another. |
| 237 | 28/1 | Ditto ... | Gocool Krishna Bhuttacharjee. |
| 238 | 225 | Bowbazar Street .. | Heralal Mandal & another. |
| 239 | 236 | Ditto ... | Jagendranath Bose. |
| 240 | 257 | Ditto ... | A. C. Nandy & Co. |
| 241 | 309 | Ditto ... | Davenport & Co. |
| 242 | 34 | Chattawalla Gully ... | Fakir Mahammed. |
| 243 | 1 | Halliday Street ... | Baranossi & Radhagobinda Pal. |
| 244 | 11/3 | Kalootolla Street ... | Hajee Koodratoollah & Sons. |
| 245 | 34/1 | Ditto ... | Jeban Bux & Co. |
| 246 | 14/8 | Machuabazar Street ... | Rahamutally Mistree. |
| 247 | 27/2 | Sobharam Bysack Lane | Hajee Koodratoolla & Sons. |
| 248 | 133/H/1 | Amherst Street ... | Bromhanando Chatterji. |
| 249 | 133/H/1 | Amherst Street ... | Purnanando Audhicary. |
| 250 | 137/H/2 | Ditto ... | Doyla Chunder Pal & Sons. |
| 251 | 149 | Ditto ... | Soshibhusan Mukherji. |

| Serial No. | | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|---|
| 252 | 151 & 167 | Bowbazar Street | ... | Boistab Ch. & Sajanikanto Dey. |
| 253 | 128 | Ditto | ... | Sajadally. |
| 254 | 128 | Ditto | ... | Abhoy Kumar Nandy. |
| 255 | 128 | Ditto | ... | Gogun Chunder Nisikanto Mukerji. |
| 256 | 16[illegible]H/3 | Ditto | ... | Umesh Chunder Chunder. |
| 257 | 171/H/1 | Ditto | ... | Nafar Chunder Kolay. |
| 258 | 172 | Ditto | ... | Rajendra Lall Dutt. |
| 259 | 172 | Ditto | ... | Nilmoney Dey & Co. |
| 260 | 172 | Ditto | ... | Chintamoni Dasi. |
| 261 | 133 | Baliaghata Road | ... | Dinonath Dey. |
| 262 | 137 | Ditto | ... | Naffer Chunder Kolay. |
| 263 | 1 & 2 | Boitakhana Road | ... | Kedarnath Ghose. |
| 264 | 3, 4, 8, 9 & 10. | Ditto | ... | Sreekanto Bhuttacharjee. |
| 265 | 5/H/1 | Ditto | ... | Ditto |
| 266 | 11/H/1 | Ditto | ... | Bholanath Ghose. |
| 267 | 12 | Ditto | ... | Ditto. |
| 268 | 168/H/1 | Ditto | ... | Sreekanto Bhuttacharjee. |
| 269 | 27, 27/1 & 27/H/1. | Mirzapur Street | ... | Mukerji, Banerji & Co. |
| 270 | 28/1 | Ditto | ... | Brojolal Auddy & Co. |
| 271 | 27/5 | Ditto | ... | Nandolal Shaw. |
| 272 | 29/H/7 | Ditto | ... | Jogendranath Resikesh Shaw. |
| 273 | 29/1/1 | Ditto | .. | Ashutosh Chatterji. |
| 274 | 31/H/2 | Ditto | ... | Boikantonath Chukerbutty. |
| 275 | 62 | Ditto | ... | Ramcoomar Jitmul Gonoriwala. |
| 276 | 63/1 | Ditto | ... | Jodunath Mukherji. |
| 277 | 63/H/2 | Ditto | ... | Nando Lal Mullick. |
| 278 | 63/H/6 | Ditto | ... | Kalibhusan Mukherji. |
| 279 | 63/H/8 | Ditto | . | Kanti Churn Ghose. |
| 280 | 40 | Premchand Boral Street | | Dinonath Shaw. |
| 281 | 40 | Ditto | ... | Bankubchary Dutt. |
| 282 | 52 | Ditto | ... | Chunder Kanto Pal. |
| 283 | 1 | Canal West Road | ... | Shama Churn Sen & another. |
| 284 | 2 | Ditto | ... | Gogan Chunder Dey. |
| 285 | 6 | Ditto | ... | Ofazuddy Khansama. |
| 286 | 4 & 7 | Upper Circular Road | | Kedar Nath Ghose. |
| 287 | 7 & 8 | Ditto | ... | Ditto. |
| 288 | 15 | Ditto | ... | Super Mantosh & Co. |
| 289 | 2 | Ramkanto Mistree Lane | | Akhoy Banerji. |
| 290 | 77 | Bentinck Street | ... | John Miller & Co. |
| 291 | 80 | Ditto | ... | W. Haworth & Co. |
| 292 | 1 | Grant Lane | ... | Lalbehary Dutt. |
| 293 | 11/12/13 | Imambaree Lane | ... | C. Lazarus & Co. |
| 294 | 65 | Ditto | ... | Mackenzie, Lyall & Co. |
| 295 | 71 | Malanga Lane | ... | Azahim Tewary. |
| 296 | 131 | Bowbazar Street | ... | Ashutosh Dey & Co. |
| 297 | 132/H/1 | Ditto | ... | Chatterji, Triputtey & Co. |
| 298 | 137/144 | Ditto | ... | Martin & Co. |
| 299 | 7 & 6 | Bentinck Street | ... | Thomas Lehzen & Co. |
| 300 | 6 | Ditto | ... | Hutchison & Dutt. |
| 301 | 29 | Ditto | ... | Backer Gray & Co. |
| 302 | 8 | Lalbazar Street | ... | Ralli Brothers. |
| 303 | 1 | Mission Row | ... | W. Haworth & Co. |
| 304 | 8 | Ditto | ... | J. Thomas & Co |
| 305 | 25 | Mangoe Lane | ... | Lyall Marshall & Co. |
| 306 | 7 | Strand Road | ... | Ahmutty & Co. |
| 307 | 22 | Corporation Street | ... | Bandhu Khan. |
| 308 | 12[illegible]1 | Ditto | ... | Adhur Chunder Kanooi & Upendra Nath Pal. |
| 309 | 131 | Ditto | ... | Chuman Khan. |
| 310 | 43 | Market Street | ... | Bandhu Khan, Jitoo Khan. |
| 311 | 3/12 | Free School Street | ... | Gonesh Shaw. |
| 312 | 72 | Ditto | ... | Shaik Dewanally. |
| 313 | 3/H/5 | Grant Street | ... | Haridas Babajee & another. |
| 314 | 14 | Umachand Das Lane | | Bibi Rabia Khatoon & another. |
| 315 | 2/H/1 | Wellesley Street | ... | Ram Chander Mahinder. |
| 316 | 88 | Lower Circular Road | | Srikanto Bhuttacharjee. |
| 317 | 93 | Ditto | ... | Adhur Chunder Sirkar. |
| 318 | 34 | Corporation Street | ... | Uttam Chunder Coondoo. |

| Serial No. | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|
| 319 | 106 | Corporation Street ... | Becharam Pal & Sons. |
| 320 | 12/1 | Dr. Durga Churn Banerji Street. | P. P. Mukherji & Co. |
| 321 | 21 | Munshi Alimuddin Lane | Shaikh Mantoo. |
| 322 | 17 & 18 | Anandagopal Palit Street. | Mohendra & Srinath Das. |
| 323 | 2/1/H/1 | Beliaghata Road ... | Romanath Sickdar. |
| 324 | 2/1/H/28 | Ditto ... | Gostobehary Jana. |
| 325 | 3/1/H/29 | Ditto ... | Mothuranath Sickdar. |
| 326 | 2/1/H/28 | Ditto ... | Ramchunder Maity. |
| 327 | 2/1/H/5 | Ditto ... | Shaik Khodabux Mollah. |
| 328 | 2/1/H/2 | Ditto ... | Kripasindhu Adhicary & another C. B. as Juggomohan Biswas. |
| 329 | 2/1/H/7, 2/1/H/8 | Ditto ... | Dinanath Dey & Ram Chunder Dey. |
| 330 | 3/13 | Ditto ... | Ditto. |
| 331 | 2/1/H/23 | Beliaghata Road ... | Dinanath Dey & Ram Ch. Dey. |
| 332 | 2/1/H/35 | Ditto ... | Ditto ditto. |
| 333 | 2/1/H/9 | Ditto ... | Shaik Abdul Sobhan & another. |
| 334 | 2/1/H/9/1 | Ditto ... | Shaik Mokamedally. |
| 335 | 2/1/H/11, 2/1/H/12 | Ditto ... | Shaik Gomani Meah. |
| 336 | 3/14 | Ditto ... | Hetab Lusker. |
| 337 | 2/1/H/6 | Ditto ... | Kristo Chunder Nayek. |
| 338 | 3/19 | Ditto ... | Horee Ojha. |
| 339 | 3/19 | Ditto ... | Horee Shaw. |
| 340 | 3/20 | Ditto ... | Sarat Chandra Chakrabarty. |
| 341 | 2/H/19 | Ditto ... | Khodabux Mollah. |
| 342 | 2/1/H/20 | Ditto ... | Shaik Essop Meah. |
| 343 | 2/1/H/21 | Ditto ... | Bissumbhur Maity. |
| 344 | 2/1/H/21 | Ditto ... | Kristo Chunder Nayek. |
| 345 | 2/1/H/21/1 | Ditto ... | Shaik Essop Meah. |
| 346 | 3/15 | Ditto ... | Hetab Lusker. |
| 347 | 3/26 | Ditto ... | Shaik Rohimbux Meah. |
| 348 | 3/27 | Ditto ... | Ramdoyal Nando Singh. |
| 349 | 2/1/H/32 | Ditto ... | Janokinath Sickdar. |
| 350 | 2/1/H/33 | Ditto ... | Abinash Ch. Coondoo. |
| 351 | 2/1/H/34 | Ditto ... | Kedarnath Biswas. |
| 352 | 2/1/H/27 | Ditto ... | Shaik Rosoonally. |
| 353 | 3/A/H/25 | Ditto ... | Shaik Dursatullah. |
| 354 | 2/1/H/26 | Ditto ... | Saboor Mullick. |
| 355 | 2/1/H/29 | Ditto ... | Romanath Sickdar. |
| 356 | 3/[illegible] | Ditto ... | Shaik Soleman. |
| 357 | 2 | Ditto ... | Kanye Lusker. |
| 358 | 11 | Ditto ... | Sreeram Chunder Mondal. |
| 359 | Municipal Culvert. | Canal South Road ... | Rhedoynath Dey. |
| 360 | 1 | Ditto ... | Motilal Mitter. |
| 361 | 1/H/1 & 4 | Ditto ... | Radhakristo Chuckerbutty & another. |
| 362 | 2/H/1 | Ditto ... | Motilal Das. |
| 363 | 3/H/1 | Ditto ... | Goberdhone Pal & Nagendra N Dey. |
| 364 | 4 | Ditto ... | Usha Churn Dalal. |
| 365 | 4/H/1 | Ditto ... | Soshibhusan Dey. |
| 366 | 5 | Ditto ... | Bepin Behary Kundoo. |
| 367 | 6 & 7 | Ditto ... | Khitish Chunder Sircar. |
| 368 | 7/H/1 | Ditto ... | Jadab Chunder Chakr[illegible]. |
| 369 | 7 | Ditto ... | Gowhurali Mollah [illegible]r. |
| 370 | 8/H/1 | Ditto ... | Mohima Churn D[illegible]y & Co. |
| 371 | 9/H/1 | Ditto ... | Ananto Coomar Roy & another. |
| 372 | 10 | Ditto ... | Shaik Abdul. |
| 373 | 10/H/1 | Ditto ... | Romanath China. |
| 374 | 11/H/1 | Ditto ... | Dwarkanath Biswas. |
| 375 | 12/H/1 | Ditto ... | Soshibhusan Banerji. |
| 376 | 10 | Ditto ... | Sabi Singh. |
| 377 | 13 | Ditto ... | Bhuban Chunder Nandy. |
| 378 | 16/H/1 | Ditto ... | Boikanthonath Kundoo. |
| 379 | 18 | Ditto ... | Chand Meah. |
| 380 | 19 | Ditto ... | Shaik Eadally & another. |
| 381 | 20 | Ditto ... | Luchman Mahato. |
| 382 | 21 | Ditto ... | Gopee Shaw and Bechu Shaw. |

| Serial No. | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|
| 383 | 21 | Canal South Road ... | Ramdhari Panday. |
| 384 | 20/H/1 | Ditto ... | Akhoy Coomar Mozoomdar. |
| 385 | 28 | Ditto ... | Shaik Eadally. |
| 386 | 38 | Ditto ... | Shaik Chand Meah. |
| 387 | 153/1 | Lower Circular Road | Soiloja Prosad Newgee. |
| 388 | 154 | Ditto ... | Ram Chunder Pal. |
| 389 | 154 | Ditto .. | Chunder Kanto Sircar. |
| 390 | 2 | Convent Road ... | Surendra Nath Ghose. |
| 391 | 17/1 | Dihi Entally Road ... | Joy Gopal Das. |
| 392 | 2 | Kulia Tangra 2nd Lane. | A. C. Nandy & Co. |
| 393 | 5 | South Road Entally | Bistoo K. Kundoo & another. |
| 394 | 17 | Ditto | Gadadhar Das. |
| 395 | 18 | Ditto | Amullya Chunder Khan. |
| 396 | 53 | Ditto | Bhupaty Churn Sett & Co. |
| 397 | 68 | Ditto | Abinash Chunder Das. |
| 398 | 68/1 | Ditto | Amullya Chunder Khan. |
| 399 | 25 | Tangra Road ... | Naba Coomar Pal. |
| 400 | 48/1 | Ditto ... | Peary Shaw. |
| 401 | 2 | Jannagore Road ... | Belayet Hossain. |
| 402 | 3 | Ditto ... | Babujan Goledar. |
| 403 | 41 | Ditto ... | Osman Gunny. |
| 404 | 3 | Chuckerbere Lane ... | Sarat Chunder Sircar. |
| 405 | 12 | Ditto ... | Uma Churn Bose. |
| 406 | 18 | Kurraya Road ... | Mir Abdul Reajack. |
| 407 | 21 | Nepal Bhuttacharji 1st Lane. | Gopal Chunder Kolay. |
| 408 | 133 | Russa Road South ... | Hurrish Chunder Ghose. |
| 409 | 22 | Tallygunge Road ... | Punchanan Das. |
| 410 | 68 | Ditto ... | Shama Churn Ghose. |
| 411 | 74 | Ditto ... | Nimchand Nandy. |
| 412 | 73 & 74 | Ditto ... | Uttam K. Ghose. |
| 413 | 74 | Ditto ... | Brojonath Bose. |
| 414 | 75 | Ditto ... | Adhur Chander Sett. |
| 415 | 76 | Ditto ... | Prosonno Coomar Das. |
| 416 | 78 | Ditto ... | Dinonath Sett. |
| 417 | 75 | Ditto ... | Brojonath Bose. |
| 418 | 78 | Ditto ... | Brojomohon Bose. |
| 419 | 76 | Ditto ... | Bepin Behary Das. |
| 420 | 76 | Ditto ... | Adhur Chunder Sett. |
| 421 | 106 | Ditto ... | Issur Das. |
| 422 | 113 | Ditto ... | Monmohiney Babee. |
| 423 | 113 | Ditto ... | Krishna Chandra Banerji. |
| 424 | 115 | Ditto ... | Soshi Bhusan Paine. |
| 425 | 115/2 | Ditto ... | Nibaran & Ishan Chunder Chuckerbutty. |
| 426 | 115 | Ditto ... | Gopal Chunder Dutta. |
| 427 | 4/H/1 | Chawlputty Road | Dinonath Pal. |
| 428 | 13 | Ditto ... | Biraj Krishna Poddar. |
| 429 | 15 | Ditto ... | Sital Chunder Singha. |
| 430 | 50/1 | Ditto ... | Kalidas Nandy. |
| 431 | 53 | Ditto ... | Motilal Laha. |
| 432 | 61 | Ditto ... | Kalinath Chuckerbutty. |
| 433 | 66 | Ditto ... | Shaik Imranally. |
| 434 | 1 | Halderpara Road ... | Brindaban Chunder Shaw. |
| 435 | 27/2 | Hurish Chunder Chatterjee Street | Kritibas Patra. |
| 436 | 28/1 | Ditto ... | Shamapado Dutt. |
| 437 | 29/1 | Ditto ... | Russioklal Samanto. |
| 438 | 29/H/1 | Ditto ... | Judhistir Mandal. |
| 439 | 33 | Ditto ... | Borodakanto Sircar. |
| 440 | 34/1/2 | Ditto ... | Hurichurn Shaw. |
| 441 | 38 | Ditto ... | Adhur Chunder Shaw. |
| 442 | 62/H/1 | Ditto ... | Kalachand Comar. |
| 443 | 28 | Kallyghat Road ... | Jatadhari Munshi. |
| 444 | 141/2 | Ditto ... | Haree Behara. |
| 445 | 6/1 | Katooa Khooti Road | Thacoordas Ghose. |
| 446 | 8/H/1 | Ditto ... | Shaik Nazibullah. |
| 447 | 9/H/3 | Ditto ... | Koylash Chunder Nandy |
| 448 | 15 | Ditto ... | Shibnarain Samanto. |
| 449 | 67 | Lansdowne Market ... | Prankrishna Sen. |
| 450 | 4 | Madan Pal Lane ... | Baikantha Ganguly. |

| Serial No. | | Localities of Warehouses. | Names of Licensees. |
|---|---|---|---|
| 451 | 9/H/5 | Madan Pal Lane ... | Shaik Ahadally. |
| 452 | 36/H/1 | Ditto ... | Shaik Taleb Goldar. |
| 453 | 44 | Puddopuker Road ... | Sarat Chunder Das. |
| 454 | 11 | Russa Road South ... | Kedernath Ken |
| 455 | 12/1 | Ditto ... | Luckheynarain Roy. |
| 456 | 12/2 | Ditto ... | Rashbehary Ghosal. |
| 457 | 12 | Sankaripara Road ... | Shaik Keramutulla & another. |
| 458 | 124 | Tallygunge Road ... | Sagor Dhara. |
| 459 | 2/2/1<br>2/2/2 | Bridge Road ... | Chunder Kanto Bose. |
| 460 | 3 | Ditto ... | Brindaban Chunder Shaw. |
| 461 | 3/H/6 | Ditto ... | Adhur Chunder Shaw. |
| 462 | 17/1 | Chetla Road ... | Horaykristo Jana. |
| 463 | 16/1/2 | Chetla Hât Road ... | Janokinath Tewari. |
| 464 | 3/179 | Gopalnagore Road ... | Amritalal Dhara. |
| 465 | 27/3 | Judge's Court Road ... | Abdul Hakim. |
| 466 | 1/2 | Mayerpore Road ... | Gungaram Mistree. |
| 467 | 73 | Ditto ... | Ambica Churn Dey. |
| 468 | 73 | Ditto ... | Gopal Chunder Dey. |
| 469 | 39 | Tallygunge Circular Road. | Purnachunder Sadkhan. |
| 470 | 92 | Ditto ... | Akhoycoomar Sadkhan. |
| 471 | 12 | Berapuker Road ... | Chandychurn Sircar. |
| 472 | 12 | Ditto ... | Satish Chunder Ghose. |
| 473 | 14/1 | Ditto ... | Shaw Brothers & Co. |
| 474 | 100 | Circular Garden Reach Road. | Shaik Wazuddin. |
| 475 | 116 | Ditto ... | Norendranath Ghose. |
| 476 | 116/4 | Ditto ... | Shaw Brothers & Co. |
| 477 | 132 | Ditto ... | Gorachand Das. |
| 478 | 17/1 | Garden Reach Road ... | Hurrychurn Ghose. |
| 479 | 89 | Diamond Harbour Road. | Punchanan Kurmokar & another. |
| 480 | 89 | Ditto ... | Omesh Ch. Das & another |
| 481 | 89 | Ditto ... | Sushilabala Dasi. |
| 482 | 89 | Ditto ... | Preonath Karmokar. |
| 483 | 89 | Ditto ... | Nepal Chunder Das. |
| 484 | 89 | Ditto ... | Mohendranath Burdhan. |
| 485 | 89 | Ditto ... | Giribala Dasi |
| 486 | 89 | Ditto ... | Amodaprosad Das. |
| 487 | 89 | Ditto ... | Troylokhonaih Dutt. |
| 488 | 89/H/1 | Ditto ... | Narain Chunder Bera. |
| 489 | 90 | Ditto ... | Hurychurn Ghose. |
| 490 | 90/1 | Ditto ... | Dwarkanath Mistree. |
| 491 | 90/1/K/3 | Ditto ... | Purmanando Pal. |
| 492 | 9/1/1 | Gangadhur Banerji Lane. | Troylokhonath Dutt. |
| 493 | 3 | Munshigunge Road ... | Jobid Khan. |
| 494 | 4/H | Ditto ... | Shamachurn Roy Chowdhury. |
| 495 | 4/6 | Ditto ... | Nerode Coomar Banerji. |
| 496 | 4/8 | Ditto ... | Nilratan Mandal C. B. as Bhuban Mohan Mandal. |
| 497 | 6 | Ditto ... | Promothonath Ghose. |
| 498 | 8/18 | Ditto ... | Hurychurn Mukerji. |
| 499 | 11 | Ditto ... | Juggobundhu Comar. |
| 500 | 11 | Ditto ... | Nilmoney Banerji. |
| 501 | 11/1 | Ditto ... | Hem Chandra Chatterji & another. |
| 502 | 12/5 | Ditto ... | Lolitmohan Dey. |
| 503 | 12/H/5 | Ditto ... | Suresh Chunder Mukerji. |
| 504 | 27/5 | Ditto ... | Sarodaprosad Koyal. |
| 505 | 32 | Ditto ... | K. C. Banerji & Co. |
| 506 | 32 | Ditto ... | Ramlogan Mistree. |
| 507 | 32 | Ditto ... | Promothonath Ghose. |
| 508 | 32 | Ditto ... | Panchanan Ganguli. |
| 509 | 33 | Ditto ... | Akhoy Coomar Sen C. B. as Behary Lal Sen. |
| 510 | 33/1 | Ditto ... | Ram Chunder Dutt. |
| 511 | 35 | Ditto ... | Gonesh Chunder Shaw. |
| 512 | 35/1 | Ditto ... | Mohendra Shaw. |
| 513 | 36 | Ditto ... | Sukdeb Sen. |

| Serial No. | | Locality of Warehouses. | Names of Licensees. |
|---|---|---|---|
| 514 | 37 | Munshigunge Road ... | Saboor Khan. |
| 515 | 32 | Puddopuker Street ... | Kherod Gopal Mukherji & Co. |
| 516 | 28/1 | Ramkamal Mukerji Street. | Narain Chunder Seal. |
| 517 | 55 | Sonai 3rd Lane ... | Shaik Umberally. |
| 518 | 9/1 | Sonai Road ... | Haran Hazee. |
| 519 | 9/1 | Ditto ... | Rakhal Mandal. |
| 520 | 8/2 | Ditto ... | Shaik Korban. |
| 521 | 10 | Tarafdar Tank 2nd Lane. | Panchanan Kurmokar & another. |

*List of Jute warehouses licensed during the year 1908-09.*

| | | | |
|---|---|---|---|
| 1 | 1/1 | Baugh Bazar Street ... | Tirthamoye, Bhojomoni and Soralamoye Chowdhurani. |
| 2 | 178/2 to 178/4 & 2 & 2/2. | Upper Chitpore Road and Ramkanto Bose Street | Finlay, Muir & Co. |
| 3 | 202 | Upper Chitpore Road | Radhicaprosad Das, Agent to S. C. Deb & Co. |
| 4 | 202/1<br>45 | Upper Chitpore Road and Durga Charan Mukherjee Street. | Murarikrishna Mitter. |
| 5 | 204 | Upper Chitpore Road | Lalbehary Sadkhan. |
| 6 | 206 | Ditto ... | Kanje Lal Khan. |
| 7 | 208 | Ditto ... | S. J. Saloman. |
| 8 | 37/1 | Canal West Road ... | Harish Chunder Dutt. |
| 9 | 37/5 | Ditto ... | Atul Krishna Dutt. |
| 10 | 39/1 | Ditto ... | Surju Coomar, Guru Charan Shaw. |
| 11 | 39/2 | Ditto ... | Dwarkanath Poddar. |
| 12 | 39/3/A | Ditto ... | Ramsaran Poddar. |
| 13 | 39/3 | Ditto ... | Ditto. |
| 14 | 41 & 41/A | Ditto ... | Harish Chander, Bissonath Shaw. |
| 15 | 45/2 | Ditto ... | Mohendra Nath Sirdar. |
| 16 | 46 | Ditto ... | Chunder Nath Dalal. |
| 17 | 46 | Ditto ... | Bhim Chunder Pal and Chunder Nath Dalal. |
| 18 | 46 | Ditto ... | Chunder Nath Dalal and Bhim Chunder Pal. |
| 19 | 46/3 | Ditto ... | Mohendra Nath Sirdar. |
| 20 | 46/4 | Ditto ... | Ditto. |
| 21 | 46/5 | Ditto ... | Bhim Chunder Pal. |
| 22 | 1 | Chitpore Bridge approach | Radhica Lal Roy Chowdry. |
| 23 | 1 | Baugh Bazar Street ... | Secretary, Port Commissioners. |
| 24 | 7/2 | Dhania Bagan Road ... | Harish Chunder, Bissonath Shaw. |
| 25 | 3 & 4 | Durga Chunder Mukherjee's Street. | Narain Chunder Shaw Brothers. |
| 26 | 5 | Ditto ... | Kedar Nath Shaw. |
| 27 | 6 | Ditto ... | Doyal Chand Shaw. |
| 28 | 7 | Ditto ... | Peary Mohan Biswas. |
| 29 | 14 & 15 | Ditto ... | Binoda Sundory Dasi. |
| 30 | 33 | Ditto ... | Gobindo Chunder Pal. |
| 31 | 41 & 41/1 | Ditto ... | Dinobundhu, Pranbundhu Shachowdry. |
| 32 | 42 & 43 | Ditto ... | Ditto. |
| 33 | 22 | Gailiffa Street ... | Nogendra Nath Ghose. |
| 34 | 22 | Ditto ... | Rashbehary Coondoo. |
| 35 | 22 | Ditto ... | Norendra Nath Dutt. |
| 36 | 22 | Ditto ... | Kedar Nath Pal. |
| 37 | 23 | Ditto ... | Chander Nath Dalal. |
| 38 | 25 | Ditto ... | Atul Kristo, Kali Kristo Mukerjee. |
| 39 | 26 | Ditto ... | Dabendra Nath Bullubh. |
| 40 | 23/1/2/3 | Ditto ... | Sitanath Das and Janendra Nath Biswas. |
| 41 | 5/15/2/5/3& 16, 16/1 & 16/2. | Gopal Chunder Newgee's Lane. | Sarada Prosad Mukerjee. |
| 42 | 20 | Ditto ... | Raimohan Chowdry. |
| 43 | 5 | Shambazar Bridge Road. | Jotindra Nath Mandal and Boradakanto Ballubh. |

| Serial No. | | Locality of Warehouses. | Names of Licensees. |
|---|---|---|---|
| 44 | 1 | Aheeretola Street ... | Thansing Kurum Chand. |
| 45 | 3 | Ditto ... | Manmatha Nath Bhuttacharjee. |
| 46 | 5 | Ditto ... | Thansing Kurum Chand. |
| 47 | 8 | Ditto ... | Protapmall Nahata. |
| 48 | 10 | Ditto ... | Ambicachuran Pal and Bankubehary Pal. |
| 49 | 169 | Ditto ... | Goneshdas Jaskaran. |
| 50 | 170 | Ditto ... | Bhajahury Purnachandra Dey Chowdry and Satish Chandra Pal Chowdry and others. |
| 51 | 172 | Ditto ... | Idol Gopinath Jew, Sebayet Harinarain Dey. |
| 52 | 9 | Bonomally Sircar Street | Purnanando Shaw. |
| 53 | 1 & 2 | Biswambhar Mollick's Lane. | Surendra Nath Roy. |
| 54 | 13 | Ditto ... | Bhuban Mohan Pal. |
| 55 | 11 | Baniatola Street ... | Roghunath Dutt. |
| 56 | 115 | Ditto ... | Janoki Nath Nag. |
| 57 | 2 | Biprodas Dey's Lane ... | Hary Lal Dey Chowdry. |
| 58 | 10 | Ditto ... | Suresh Chunder Poramanick. |
| 59 | 1 | Ditto ... | Lallchand Armanmall. |
| 60 | 247 & 48 & 15. | Upper Chitpore Road and Kashi Mitter Ghat Street. | Finlay Muir & Co. |
| 61 | 215 to 219 | Upper Chitpore Road | Hemchunder Bose. |
| 62 | 77 | Darmahatta Street ... | Behary Lal Pyne. |
| 63 | 76/2, 80 & 80/1. | Ditto ... | Ditto. |
| 64 | 81 | Ditto ... | Ditto. |
| 65 | 87 to 87/53 | Ditto ... | Kalyan Das, Agent, Nawab of Rampore. |
| 66 | 92 & 93 | Ditto ... | Khetter Nath Shaw. |
| 67 | 97 | Ditto ... | Arocnbala Dabee. |
| 68 | 101 | Ditto ... | Madhusudan Singho. |
| 69 | 103 | Ditto ... | Mathura Mohan Nandy. |
| 70 | 99 | Ditto ... | Karick Chunder Hazra. |
| 71 | 85 & 86 | Ditto ... | Nityanando Shaw. |
| 72 | 121 | Ditto ... | Radhagobindo Behary Lal Mazumdar and Rasick Lal Shaw. |
| 73 | 135 | Ditto ... | Chandy Lal Singha and others. |
| 74 | 134 | Ditto ... | Kanye Lal Khan. |
| 75 | 136 to 136/8 | Ditto ... | Dakhayonee Dasi. |
| 76 | 138/59 | Ditto ... | Adoytocharan Mondal and others. |
| 77 | 140/1 to 140/5. | Ditto ... | Chandilal Singha and Kany Lal Singha. |
| 78 | 140/7 to 140/14 | Ditto ... | Monmohini Dasi. |
| 79 | 143 & 143/1 | Ditto ... | Guroo Gobindo Shaw. |
| 80 | 144 | Ditto ... | Secretary, Port Commissioners. |
| 81 | 1/1 | Galiffe Street ... | Kamini Kumar Roy. |
| 82 | 16 | Harochunder Mollick's Lane. | Guruchuran Shaw. |
| 83 | 23 | Ditto ... | Badan Chander Guroo Gobindo and Sashibhusan Shaw. |
| 84 | 24 | Ditto ... | Surjee Coomar, Chandra Coomar and Kalicoomar Biswas. |
| 85 | 2 | Harochunder Mollick's Street. | Bissambhar Mallick. |
| 86 | 4 | Ditto ... | Prolhad Chunder Shaw. |
| 87 | 5 | Ditto ... | Jagobandhoo Soshi Mohun Shaporamanick. |
| 88 | 6 | Ditto ... | Makundosundory Dasi. |
| 89 | 7 & 7/1 | Ditto ... | Jogendro Nath Chackerbartty. |
| 90 | 9 | Ditto ... | Sitanath Shachowdry. |
| 91 | 10 | Ditto ... | Ditto. |
| 92 | 11 | Ditto ... | Dwarkanath Shaw. |
| 93 | 12 | Ditto ... | Benodlal Roy, Nandolal Roy & Josadalal Roy. |

| Serial No. | | Localities of Warehouses. | Name of Licensees. |
|---|---|---|---|
| 94 | 13 | Harochander Mollick's Street. | Aghor Nath Mosoomdar. |
| 95 | 13/4 | Ditto ... | Ditto. |
| 96 | 13/6 | Ditto ... | Bissonath, Lackhey Nath Poramanick. |
| 97 | 16 | Ditto ... | Horendro Coomar, Rajendra Coomar, Gajendro Coomar Roychowdry. |
| 98 | 19 | Ditto ... | Nilmadhab Shaw & others. |
| 99 | 20 & 21 | Ditto ... | Soshibhusan Shachowdry. |
| 100 | 23 | Ditto ... | Radharaman Shaw. |
| 101 | 25 | Ditto ... | Gurudas Coondoo Chowdry. |
| 102 | 27 | Ditto ... | Chundersiker, Radhica Lal Shaw. |
| 103 | 28 | Ditto ... | Benod Behary Khan. |
| 104 | 14 | Ditto ... | Murlidhur Roy. |
| 105 | 2/1 | Joy Mitter Ghat Street. | Giridharilal Roy. |
| 106 | 27/2 & 28 | Kasi Mitter Ghat Street. | Ditto. |
| 107 | 3 | Madan Mohan Dutt's Lane. | Deb Prosonno Ghose. |
| 108 | 14 & 15 | Mahamed Romjan's Lane. | Upendra Nath Mandal. |
| 109 | 1 | Manick Bose's Ghat Street. | Kaniz U Salima & K. M. Khatoon. |
| 110 | 3 | Ditto ... | M. G. A. Begg. |
| 111 | 17/1 & 18 | Ditto ... | Naderchand Shaw. |
| 112 | 18/1 | Ditto ... | Ditto. |
| 113 | 36 & 36/1 to 36/7. | Ditto ... | Kaminey Dasi. |
| 114 | 36/9 | Ditto ... | Tejmall Chaiton Das. |
| 115 | 40. 41 41/1 & 42. | Ditto ... | Nityanando Shaw. |
| 116 | 44 | Ditto ... | Jogendro Deb Mannah. |
| 117 | 43 | Ditto ... | Noderchand Shaw. |
| 118 | 46 | Ditto ... | Nityanondo Shaw. |
| 119 | 47 | Ditto ... | Durgadas Seal. |
| 120 | 48, 49 & 50 | Ditto ... | Haray Kristo Ramdas & Mohendra Nath Shaw. |
| 121 | 58 | Nimtola Ghat Street | Goormudhroy Sureka. |
| 122 | 62 & 62/1 to 62/6. | Nimtola Ghat Street ... | Goormukhroy Sureka. |
| 123 | 7 | Noyan Soor's Lane ... | Sumbha Nath, Gobinda Nath Chowdry. |
| 124 | 8 | Ditto ... | Budan Chunder, Gourgobinda Shaw. |
| 125 | 9 | Ditto ... | Nabin Chander, Harinath Coondoo. |
| 126 | 32 | Nandaram Sen's Street | Sarath Chander Dey. |
| 127 | 23 | Nather Bagan Street ... | Satoouree Chatterjee. |
| 128 | 24 | Ditto ... | Jogendra Nath Nandy. |
| 129 | 25/1 | Ditto ... | Benod Behary Nandy. |
| 130 | 3 to 3/3 | Sobhabazar Street ... | Rashbehary Shaw & others. |
| 131 | 4 | Ditto ... | Kany Lal Khan. |
| 132 | 5 | Ditto ... | Bissumbhar Mollick. |
| 133 | 6 | Ditto .. | Surendra Nath Ghose. |
| 134 | 7 | Ditto ... | Chander Siker Srikanto Shaporamanick. |
| 135 | 10 | Ditto ... | Horendra Coomar Raichowdry & others. |
| 136 | 12 | Ditto ... | Sarodaprosad Soor. |
| 137 | 17 | Ditto ... | Gooroodas Coondoo Chowdry. |
| 138 | 19/1 | Ditto ... | Raimohan, Rabotymohan Roychowdry. |
| 139 | 71/1 | Ditto ... | Gayasundory Dasi. |
| 140 | 72 | Ditto ... | Damodar Poramanick, Tarackessar Poramanick. |
| 141 | 73 | Ditto ... | Dhoniram, Kasinath Shaw. |
| 142 | 78 & 79 | Ditto ... | Mohini Kanto Shaw. |
| 143 | 90 | Ditto ... | Jallodhur Shaw. |
| 144 | 91 & 92 | Ditto ... | Adoyto Churan Moudal & others. |
| 145 | 93 & 94 & No. 1. | Noyan Soor's Lane ... | Sabitry Sundory Dasi & Lalbehary Sadkhan. |
| 146 | 95 & 96 | Sobhabazar Street ... | Hem Chander Shachowdry & Rajendra Narain Shaw. |
| 147 | 97 | Ditto ... | Sitanath Shachowdry. |

| Serial No. | | Locality of Warehouses. | | Names of Licensees. |
|---|---|---|---|---|
| 148 | 98 | Sobhabazar Street | ... | Sitanath Shachowdry. |
| 149 | 98/1 | Ditto | ... | Jagobandhu, Sarat Chander Shachowdry. |
| 150 | 98/2 | Ditto | ... | Ditto ditto. |
| 151 | 100 | Ditto | ... | Adoyto Charan Mandal & others. |
| 152 | Rathtola Godown. | Strand Road | ... | Secretary, Port Commissioners. |
| 153 | Nimtola Godown. | Ditto | ... | Ditto. |
| 154 | Shahib Bazar Godown. | Strand Road | ... | Secretary, Port Commissioners. |
| 155 | Upper Import Godown, Lot No. 9. | Ditto | ... | India General Navigation and Railway Co., Ld. |
| 156 | 1 | Budree Das Temple Street. | | Gopi Mohan Roy. |
| 157 | 4 | Ditto | ... | Manick Chander Coondoo. |
| 158 | 6 | Ditto | ... | Surjee Coomar, Gura Charan Shaw. |
| 159 | 19 | Ditto | ... | Behary Lal Shaw. |
| 160 | 24 | Ditto | ... | Gour Churn Shaw. |
| 161 | 25 | Ditto | ... | Trannath Banerjee. |
| 162 | 32/A | Canal West Road | ... | Durjodhon Shaw. |
| 163 | 24/A | Ditto | ... | Lalit Mohan, Brindabon, Chander Shaw. |
| 164 | 25 | Ditto | ... | Ditto. |
| 165 | 25/3 | Ditto | ... | Guru Charan Shaw. |
| 166 | 26 | Ditto | ... | Ditto. |
| 167 | 27/1 | Ditto | ... | Giridhari Lal Roy. |
| 168 | 29 | Ditto | ... | Gopi Mohan Ray. |
| 169 | 31 | Ditto | ... | Kisory Mohan Shaw. |
| 170 | 29/1 | Ditto | ... | Gopi Mohan Roy. |
| 171 | 32 | Ditto | ... | Isswar Chandra Shaw and Mulluck Chand Shaw. |
| 172 | 35/4 | Ditto | ... | Gobinda Chander Shaw. |
| 173 | 35/4/1 | Ditto | ... | Ditto. |
| 174 | 35/3 | Ditto | ... | Parbotty Charan Roy and Ramkristo Pathack. |
| 175 | 33/34 | Ditto | ... | Durjodhan Shaw. |
| 176 | 55 | Goriharee Lane | ... | Trannath Banerjee. |
| 177 | 56 & 57 | Ditto | ... | Gobinda Chander Shaw. |
| 178 | 58 | Ditto | ... | Behary Lal Shaw. |
| 179 | 4 | Halsi Bagan Lane | ... | Lalit Mohan, Brindabon Chander Shaw. |
| 180 | 195 | Darmahatta Street | ... | Adoyto Charan Mandal & others. |
| 181 | 202 & 202/1 to 202/14 | Ditto | ... | Krisna Chander Bose. |
| 182 | 28 | Jorabagan Street | ... | Ramessur Aitah. |
| 183 | 43 | Nimtola Ghat Street | ... | Goormukhroy Sureka. |
| 184 | 57 | Strand Road | ... | Jodunath Shachowdry. |
| 185 | 66 | Ditto | ... | Rashbehary Koroory. |
| 186 | 67/9 | Ditto | ... | McNeil & Co., Rivers Steam Navigation Co., Ld. |
| 187 | 67/27/H/1/B | Ditto | ... | India General Navigation and Railway Co., Ld. |
| 188 | 67/H/5<br>67/H/6 | Ditto | ... | Secretary, Port Commissioners. |
| 189 | 67/7 | Ditto | ... | Ashutosh Khan. |
| 190 | 135 | Baliaghatta Road | ... | George Henderson & Co., Agents Boranagor Jute Mill. |
| 191 | 4 | Canal West Road | ... | Manager, Boranagor Branch Mill. |
| 192 | 308 | Upper Circular Road | ... | Manager, Eastern Bengal Railway. |
| 193 | Armenian Ghat Jute godown. | Strand Bank Road | ... | Secretary to the Port Commissioners. |
| 194 | Armenian Ghat Cachar Service shed. | Ditto | ... | Ditto. |
| 195 | 6 | Guriapara Road | ... | Bird & Co., Agents, Union Jute Mill. |
| 196 | 9 | Circular Garden Reach Road. | | Gillanders, Arbuthnot & Co. |

C. MITRA,
*License Officer.*

*The 5th July 1909.*

No. 660M.—2-1—30, dated Chinsura, the 3rd July 1909.

From—The Commissioner of the Burdwan Division,
To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit herewith a copy of the Annual Report on the working of the Licensed Warehouse and Fire-Brigade Act in the Howrah Municipality during the year 1908-09, submitted by the Chairman of the Municipality.

2. There was an increase during the year in the number of licensed warehouses from 309 to 328 and also in the income from license fees from Rs. 6,977 to Rs. 7,248.

* * * * * *

No. 544, dated Howrah, the 21st June 1909.

From—H. T. S. FORREST, Esq., I.C.S., Chairman of the Howrah Municipality,
To—The Magistrate of Howrah.

I HAVE the honour to report that 328 warehouses were licensed in 1908-09 out of 361 registered during the year, against 309 out of 347 registered in 1907-08; the details are as follows:—

| YEARS. | | Jute. | Cotton. | Hay. | Straw. | Wood. | Resin. | Waste paper. | Varnish. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|
| Registered | 1907-08 ... | 43 | 41 | 1 | 33 | 223 | 1 | 3 | 2 | 347 |
| | 1908-09 ... | 41 | 40 | 1 | 34 | 240 | 2 | 1 | 2 | 361 |
| Licensed | 1907-08 ... | 38 | 28 | 1 | 29 | 209 | 1 | 1 | 2 | 309 |
| | 1908-09 ... | 31 | 28 | 1 | 33 | 230 | 2 | 1 | 2 | 328 |

2. The income from license-fees during the year under report amounted to Rs. 7,247-12, of which Rs. 40-2-6 were collected on account of arrears on account of the year 1907-08, but realised in 1908-09.

3. The demand, collection, remission and balance for 1908-09 are shewn in Appendix A, and the details of licenses granted in this year to jute and cotton warehouses are entered in Appendix B. Owing to the comparative unimportance of the 289 licenses granted for the storage of straw, wood, hay, resin, waste paper and varnish in 1908-09, against 243 in the previous year, they have not been entered in Appendix B, and it may be noted that such license-fees have only been levied under the Fire-Brigade Act since July 1893, prior to which they were levied under section 261 of the Bengal Municipal Act.

4. There were 44 prosecutions in the year under review, which realized Rs. 117-8 against 60 in the previous year, which produced Rs. 164.

5. The expenditure incurred in assessing and collecting license-fees amounted to Rs. 868, as detailed below:—

| | Rs. |
|---|---|
| Salary of General Supervisor and Assessor ... | 600 |
| Ditto Inspector ... ... | 130 |
| Commission of Inspector ... ... ... | 24 |
| Salary of clerk ... ... ... | 63 |
| Ditto peon ... ... ... | 51 |
| Contingencies ... ... ... ... | ... |
| Total ... | 868 |

6. The Fire-Brigade establishment continued under the control of the Commissioner of Police, Calcutta. The Fire-Brigade station in Howrah stands in a very central position north of the Municipal market, and from a wooden stage raised over it the whole town is overlooked. There were seven fires during the year, the details of which are given in Appendix C. Besides these there were nine other petty fires: the Fire-Brigade turned out to all of these fires and extinguished them. The seven large fires above mentioned were all extinguished by the Fire-Brigade.

7. The Commissioner of Police demanded Rs. 11,120 for the maintenance of Fire-Brigade in 1908-09, and this amount was remitted by him during the year.

## APPENDIX A.

*Statement shewing the demand, collection, remission and balance in Howrah on account of contributions for the Fire-Brigade during the official year 1908-09.*

| Description. | Demand. | | | Collection. | | | Remission. | | | Balance. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Arrear. | Current. | Total. | Arrear. | Current. | Total. | Arrear. | Current. | Total. | Arrear. | Current. | Total. |
| | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| (a) Rate on warehouses under sections 10 and 24 ... ... ... | 44 6 3 | 7,383 11 3 | 7,428 1 6<br>315 0 0<br>7,743 1 6 | 40 2 6 | 6,887 9 6<br>5 0 0<br>315 0 0<br>7,207 9 6<br>3 9 6 | 7,247 12 0<br>3 9 6<br>Mutation fee realised in 1908-09 for 1909-10.<br>Realised in 1907-08 for 1908-09. | 4 3 9 | 492 8 3 | 496 12 0 | ... | ... | ... |
| (b) Rate on other godowns under section 25 (1) (a)* ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (c) Rate on *bastis* under section 25 (1) (b)* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| (d) General rate under section 25 (1) (c)* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Total ... | 44 6 3 | 7,383 11 3 | 7,428 1 6 | 40 2 6 | 7,207 9 6 | 7,247 12 0 | 4 3 9 | 492 8 3 | 496 12 0 | ... | ... | ... |

* No assessment was made under these sections.

## APPENDIX B.

*List of the Jute and Cotton Warehouses Licensed during the official year 1908-09.*

### JUTE.

| Register No. | Name of Owner or Occupier or both. | Locality. |
|---|---|---|
| 1 | Shama Charan Kundu ... ... | 16, Babudanga Lane. |
| 2 | Beraj Mohini Dassi ... ... | 8, Bose's Bagan Lane. |
| 3 | The Central Jute Mills Co., Ld. ... | 39, Joya Bibi's Lane. |
| 4 | P. E. Gazder & Co. .. | 38, ditto. |
| 5 | W. H. Harton & Co. ... ... | 127, Old Ghusery Road. |
| 5A | Ditto ... ... ... | 127, ditto. |
| 5B | Ditto ... ... ... | 127, ditto. |
| 5C | Ditto ... ... ... | 127, ditto. |
| 6 | Nasmyths Patent Press Co., Ld. ... | 106, ditto. |
| 7 | Rai Mohon Lal Barman Bahadur, Proprietor, Empress of India Jute Press. | 58, ditto. |
| 8 | Jagannath & Co., Proprietors, Imperial Press | 61, ditto. |
| 9 | Landale Clark & Co. ... ... | Old Ghusery Chur. |
| 10 | Shama Charan Kundu ... ... | 29, Hurrogunge Road. |
| 11 | Fool Chand Seroji ... ... ... | 13, Old Ghusery Road. |
| 12 | Ganesh Das Joyram ... ... ... | 163, ditto. |
| 13 | Fool Chand Seroji ... ... ... | 15, ditto. |
| 14 | Raja Shewbux Bogola ... ... | 21, ditto. |
| 15 | Ditto (owner), Multan Chand Daga. (occupier) | 22, ditto. |
| 16 | Kirtibash Samanto (owner), Nilmani Hazra (occupier). | 25, Shambhoo Haldar's Lane. |
| 17 | Hurrodoyal and Bissendoyal ... ... | 36, Old Ghusery Road. |
| 18 | Hurby Mosmuth (owner), Hurmuck Rai Amulock Chand (occupier). | 37, ditto. |
| 19 | The Sulkea Jute Pressing Hose (owner), K. G. Ray Chowdhury (occupier). | 57, ditto. |
| 20 | Soorajmal Loohiah ... ... | 25, Old Ghusery Road. |
| 21 | Nanda Lal Hazra ... ... | 41-1, Babudanga Road. |
| 22 | Sone Lal Shewnarain ... ... | 153, Old Ghusery Road. |
| 23 | Anderson, Wright & Co. ... ... | 32, Howrah Road. |
| 24 | Hurdut Rai Chamaria ... ... | 67, ditto. |
| 25 | Burjarji & Framji ... ... | 5, Khetter Mitter Lane. |
| 25A | Ditto ... ... | 6, ditto |
| 25B | Ditto ... ... | 7, ditto. |
| 26 | Hurdut Rai Chamaria ... ... | 90, Howrah Road. |
| 27 | Ditto (owner), Sukis & Co. (occupier). ... ... | 7, Morapora Ghat Road. |
| 28 | J. C. Galstaun (owner), J. G. Shophianopoulo (occupier). | 25, Banda Ghat Road. |

| Register No. | Name of Owner or Occupier or both. | Locality. |
|---|---|---|
| 29 | Hurdut Rai Chamaria (owner), Sukhis & Co. (occupier). ... | 8, Morapora Ghat Road. |
| 30 | P. D. Gazdar & Co. ... | 64, Rosemary & Bastin's Lane. |
| 31 | The General Traffic Manager, E. I. Ry. ... | 4, Grierson Road. |
| 32 | Moni Lal Dutt, Indra Narain Pal & Lakkhi Narain Pal, Executors of the Estate of late Rai Chintamoni Dey Bahadur. | 3, Koochil Sircar Lane. |
| 33 | Nilmoni Mandal ... ... | 26, Kantapuker 4th Bye-Lane. |
| 34 | The Howrah Jute Mills Co., Ld. ... ... | 474, Grand Trunk Road. |
| 35 | The Ganges Jute Manufacturing Co., Ld. .. | 473, ditto. |
| 36 | The Seebpore Jute Manufacturing Co., Ld. ... | 46, R. N. Ray Chowdhry Ghat Road. |
| 37 | The Ganges Manufacturing Co., Ld. ... | 26, Foreshore Road. |
| 38 | Ganges Rope Co., Ld., Agents, Macneill & Co. | 27, ditto. |
| 39 | Gopal Chandra Mullick ... ... | 77, College Road. |
| 40 | Ahmuty & Co. ... ... ... | 41, Shalimar Road. |
| 41 | The Agent, B. N. Ry. Co. ... ... | 62, ditto. |

## COTTON.

| | | |
|---|---|---|
| 1 | Thacoordas Nanockram ... ... | 1, Gossain Ghat Lane. |
| 2 | The Bharat Abhyuday Cotton Mills ... | 196, Naskarpara Lane. |
| 3 | The Ghusery Cotton Mills ... ... | 107, Old Ghusery Road. |
| 4 | Kissen Lal Burman ... ... | 5, Goorgola Ghat. |
| 5 | Shama Charan Kundu ... ... | 6, Goorgola Lane. |
| 6 | Bissendoyal & Hurrodoyal (owner), Gonesh Das Ramgopal (occupier). | 164, Old Ghusery Road. |
| 7 | Buzrang Lall & Monga Lall ... ... | 4, Goorgola Lane. |
| 8 | Nanockram ... ... | 168, Old Ghusery Road. |
| 9 | Behary Marwary (owner), Bazrung Lall & Monga Lall (occupier). | 4, Goorgola Lane. |
| 10 | Tejpal Brahmadas (owner), Parmeswar Das Serogi (occupier). | 141, Old Ghusery Road. |
| 11 | Raja Shewbox Bagala (owner), Moll Schutte & Co. (occupier). | 132, ditto. |
| 12 | Hurnund Rai & Fulchand ... ... | 142, ditto. |
| 13 | Fulchand Padamraj Serogi ... ... | 19, ditto. |
| 14 | Mohor Sing Chowdhry (owner), Hurmuk Rai Amulock Chand (occupier). | 32, ditto. |
| 15 | Siddeswar Chandra (owner), Nanock Ram Marwary (occupier). | 156 & 157, ditto. |
| 16 | Ganesh Das Joyram ... ... | 162, ditto. |
| 17 | Fulchand Serogi ... ... | 18, ditto. |
| 18 | Ditto ... ... | 15, ditto. |
| 19 | Ananta Ram Serogi ... ... | 31, ditto. |
| 20 | Shama Charan Kundu ... ... | 2, ditto. |
| 21 | Kissen Lal Burman (owner), Augnooram Mooralidhar (occupier). | 3, Banda Ghat Road. |
| 22 | Shama Charan Kundu ... ... | 3, Old Ghusery Road. |
| 23 | Sadhooram Toolaram ... ... | 173, ditto. |
| 24 | Durga Marwary ... ... | 174, ditto. |
| 25 | Provodoyal ... ... | 12, Hurrogunge Road. |
| 26 | Kali Pal (owner), Bahadurmall (occupier) ... | 172, Old Ghusery Road. |
| 27 | Kali Pal (owner), Ramrick Das Chimonbox (occupier). | 8, ditto. |
| 28 | Ganpat Rai Kedarnath ... ... | 44, Dhurmotola Lane. |
| 29 | Baboo Chowdhry ... ... ... | 173, Grand Trunk Road. |
| 30 | Moll Schutte & Co. ... ... ... | 46, Dhurmotola Lane. |
| 31 | Hurmuck Rai Fulchand ... ... | 79, Howrah Road. |
| 32 | Ramdas Sukhan (owner), Rai Mohon Lall Burman Bahadur (occupier). | 73, ditto. |
| 33 | Ram Chandra Goenka & others ... | 69, ditto. |
| 34 | Hurrodoyal Surekha (owner), Kissen Lall Burman (owner). | 74, ditto. |
| 35 | Hurrodoyal Surekha (owner), Durga Marwary (occupier). | 75, ditto. |
| 36 | Debendra Narain Shaw, (owner), Bahapurmall Hurdat Rai (occupier). | 4, Hurrogunge Road. |

| Register No. | Name of Owner or Occupier or both. | Locality. |
|---|---|---|
| 37 | Dhakhal Dalal (owner), Goojarmal Marwary (occupier). | 111, Hurrogunge Road. |
| 38 | Provoodoyal & Bissendoyal (owner), Goojarmal Marwary (occupier). | 117, ditto. |
| 39 | Kissen Lall Burman ... ... | 80, Howrah Road. |
| 40 | Provoodoyal & Bissendoyal ... ... | 118, Hurrogunge Road. |
| 41 | Ramjees Sitaram ... ... | 20, Banda Ghat Road. |

## APPENDIX C.

*Statement shewing fires which occurred in Howrah during the official year ending 31st March 1909.*

| No. | Date. | Locality. | Duration of fire. | | Approximate value of property destroyed. | Remarks showing nature of damage, &c. |
|---|---|---|---|---|---|---|
| | | | H. | M. | Rs. | |
| 1 | 1908. 8th May ... | Central Jute Mill, Ghoosery Banda Ghat Outpost. | 171 | 0 | 3,00,000 | Two godowns containing jute. |
| 2 | 12th „ ... | Howrah Hydraulic Jute Press, Galwara thana. | 3 | 20 | 5,000 | Some bales of jute partly damaged by fire and water. |
| 3 | 31st Oct. ... | Luchmi Narain Chakrabarty's Lane, Howrah thana. | 1 | 5 | 1,000 | Three golepata huts. |
| 4 | 11th Dec. ... | Ticcapara, Howrah thana ... | 1 | 5 | 1,000 | Two golepata huts and some stones belonging to Bengal-Nagpur Railway. |
| 5 | 1909. 8th Feb. ... | Sachoo Bagan, Ramkristopur, Sibpur thana. | 10 | 10 | 10,000 | A large quantity of timber and twenty huts. |
| 6 | 6th March ... | Bibi Bagan, Golabari thana ... | 0 | 40 | 60 | One golepata hut, one cow and one calf. |
| 7 | 18th „ ... | Ramkristopur, Howrah thana | 0 | 25 | 600 | Some gunny-bags stored in a pucca building. |
| | | | | | 3,17,660 | |

In addition to the above fires, nine other petty fires occurred, the Brigade turned out to all of these fires and extinguished them. The seven large fires above mentioned were all extinguished by the Fire-Brigade.

No. 8706, dated Calcutta, the 21st July 1909.

From—THE HON'BLE MR. F. L. HALLIDAY, C.I.E., M.V.O., Commissioner of Police, Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit, in accordance with section 41 Act I of 1893, the following report on the working of the Fire Brigade, in the Town and Suburbs of Calcutta and in Howrah during the year 1908-09.

2. The force at the close of the year under review is shown in Appendix I attached. There has been no alteration in the strength of the Fire Brigade during the year under review.

3. A statement showing receipts and expenditure of the Fire Brigade for 1908-09 is enclosed.

The year opened with a balance of Rs. 8,091-8, the receipts amounted to Rs. 1,09,638, and the total expenditure to Rs. 92,679-8-3, leaving a balance of Rs. 25,049-15-9 at the close of the year.

RECEIPTS.

Fees under the Petroleum Act were less than the estimate by Rs. 227. No judicial fines were realized under the Act, and the sale-proceeds of unserviceable stores showed a decrease of Rs. 130. The proceeds derived from hire of fire-engines, however, were greater than the estimate by Rs. 7,453, the net result being an actual increase in receipts over the estimate by Rs. 6,876.

EXPENDITURE.

(*a*) Under the head "Establishment" there was a decrease of Rs. 1,067-4-3 as compared with the estimate, due to ordinary leave vacancies.

(*b*) The net decrease as compared with the estimate under head "Contingencies" is Rs. 12,273-11-6. This was due to the fact that the pair-horse turn-table fire ladder sanctioned by Government and ordered from England last year was not delivered during the year under review, and could not therefore be paid for.

A quantity of canvas delivery hose ordered last year was found on receipt to be of incorrect size, and had to be returned. Payment for this was, therefore, also not made during the year 1908-09.

(*c*) Under the head "Other charges" there was a decrease of Rs. 741-8, mainly under the head of "Smaller payments for water pressure," due to the fact that the majority of the large fires occurred outside the area served by the Corporation unfiltered water-supply.

4. One hundred and seventy fires of all degrees occurred during the year 1908-09.

Thirty-six serious fires in Town, River and Docks, 39 in the Suburbs and 7 in Howrah, and further two fires at which the Fire Brigade attended, outside the jurisdiction, in the Baranagore North Jute Mill (24-Parganas) and the National Jute Mill, Rajganj (Howrah district).

There were also 86 petty fires—36 in the Town, on the River and in the Docks, 41 in the Suburbs, and 9 in Howrah.

Twenty-two of the total number of fires occurred in buildings licensed under the Licensed Warehouse and Fire Brigade Act I of 1893.

| DESCRIPTION OF FIRE. | Number of fires. | Number of fires attended by Fire Brigade. | Number of fires extinguished by neighbours or residents. | By Dock and Mill fire engines and appliances. |
|---|---|---|---|---|
| Fires at which property destroyed, valued at Rs. 50 or more ... ... | 84 | 71 | 7 | 6 |
| Fires at which property destroyed, valued at less than Rs. 50 ... ... | 86 | 24 | 60 | 2 |
| Total ... | 170 | 95 | 67 | 8 |

*Serious Fires.*

| | | | |
|---|---|---|---|
| Number of fires extinguished by Fire Brigade | ... | .... | 58 |
| Ditto ditto | Dock or Mill appliances ... | ... | 3 |
| Ditto ditto | by Fire Brigade assisted by Fire Float or Fire engines | ... | 11 |
| Ditto ditto | by neighbours, occupiers, etc. | ... | 7 |
| Ditto ditto | by neighbours before arrival of brigade | | 5 |
| | | | 84 |

*Petty fires.*

Eighty-six petty fires occurred during the year—36 in Town, River and Docks, 41 in the Suburbs and 9 in Howrah :—

58 were extinguished by neighbours or occupiers, etc.
10 were extinguished by Fire Brigade.
18 were partly extinguished before arrival of Fire Brigade by neighbours or occupiers.

86

The total estimated value of the property destroyed by fire was Rs. 20,76,151-[illegible]-6 against Rs. 12,15,521-13-6 in 1907-08 and Rs. 20,74,993-6 in 1906-07.

*Fires outside the jurisdiction of the Fire Brigade.*

*2nd December 1908.*—A large fire occurred at the Barnagore North Jute Mill, 2 miles beyond the jurisdiction, in which buildings containing jute and machinery to the value of Rs. 50,000 were destroyed. The property was insured.

*16th February 1909.*—A serious fire occurred at the National Jute Mill, Rajganj, Howrah district, 7 miles beyond jurisdiction, in which two buildings containing jute were destroyed. The value of property destroyed was Rs. 9,25,000, the majority of which was insured. The inadvisability of partly utilising buildings used for the storage of jute, as quarters for European assistants was exemplified on this occasion, where, had the fire broken out at night, loss of life might have occurred. The practice is forbidden within the jurisdiction covered by Act I of 1893 under section 20.

*The most serious fires were as follows :—*

(1) *29th April.*—At the Union Jute Press, Chitpur, two large double-storied godowns containing jute and wool, Rs. 2,00,000. Fire lasted 26 hours.

(2) *8th May.*—At the Central Jute Mills, Howrah, two large corrugated iron godowns containing jute, Rs. 3,00,000. Fire lasted 171 hours.

(3) *9th May.*—At Hooghly Hydraulic Jute Press, Chitpur, a double-storied godown containing jute, Rs. 1,50,000. Fire lasted 22¾ hours.

(4) *14th May.*—At Chitpur Hydraulic Jute Press, Chitpur, a two-storied building containing jute, Rs. 50,000. Fire lasted 8 hours and 5 minutes.

(5) *15th May.*—At Ashcroft Jute Press, Chitpur, a double-storied godown containing jute, gunny and machinery, Rs. 2,50,000. Fire lasted 41 hours 25 minutes.

(6) *17th May.*—At Ganges Jute Press, Chitpur, a double-storied godown containing jute, Rs. 1,50,000. Fire lasted 32 hours 20 minutes.

(7) *20th May.*—At Clive Jute Mill, Garden Reach, a "peel" of jute and the cooly lines attached to mill, Rs. 1,90,000. Fire lasted 56 hours.

The fire originated in the cooly lines which are outside the Calcutta Fire Brigade jurisdiction. It spread from there to the stack of jute in the mill compound.

(8) *18th September.*—At 242-1, Upper Circular Road, a four-storied building containing flour and machinery, Rs. 1,20,000. Fire lasted 5 hours and 30 minutes.

(9) *4th November.*—At 43, Canal East Road, a corrugated iron godown containing seeds of kinds, Rs. 1,00,000. Fire lasted 6 hours and 45 minutes.

(10) *23rd November.*—Munshi Saderuddins Lane, a portion of a two storied building, containing muslins, clothes, chudders, etc., Rs. 50,500. Fire lasted 3 hours and 15 minutes.

(11) *26th November.*—26, Kangraputty Street, Burra Bazar, a two storied building, containing cotton and woollen goods, Rs. 89,000. Fire lasted 2 hours and 30 minutes.

(12) *30th November.*—At Strand Bank Jute Press, Chitpur, two godowns containing jute, Rs. 1,30,000. Fire lasted 15 hours and 45 minutes

(13) *18th December.*—At 8, Noyan Sur's Lane, a godown containing jute, Rs. 16,500. Fire lasted 15 hours and 15 minutes.

(14) *4th January.*—At Soorah Jute Mill, Belliaghatta, a godown containing jute and machinery, Rs. 17,500. Fire lasted 4 hours.

5. *Repairs.*—During the year under review no important repair work to the engines has been necessary. All petty repairs were done by the Fire Brigade staff.

6. Two turn-outs consisting of two fire-engines, two hose-carts, two brakes, ten horses and all necessary hose and gear are always kept in readiness at head-quarters in case of a call.

7. *Payments by Municipalities.*—In the year under report the percentages fixed by Government as payable by the several Municipalities concerned were as follows:—

| | Area in sq. miles | Percentage. | Contribution for 1908-09. |
|---|---|---|---|
| | | | Rs. |
| City of Calcutta ... | ... 20·267 | 70 per cent. | 70,764 |
| Chitpur | ... 3 | 15 " | 15,164 |
| Howrah ... | ... 9 | 11 " | 11,120 |
| Garden Reach ... | ... 3 | 2½ " | 2,528 |
| Manicktolla ... | ... 3 | 1½ " | 1,516 |
| Total | ... 38·267 | 100 " | 1,01,092 |

8. *Calls on the Fire Brigade*—

A.

*Summary of Hourly and Daily Calls.*

| A.M. | Sunday. | Monday. | Tuesday. | Wednesday. | Thursday. | Friday. | Saturday. | Total. | P.M. | Sunday. | Monday. | Tuesday. | Wednesday | Thursday. | Friday. | Saturday. | Sunday. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 4 | 2 | 1 | ... | ... | 1 | 11 | 1 | ... | 1 | 2 | ... | 1 | 2 | ... | 6 |
| 2 | ... | ... | ... | ... | 2 | 1 | 1 | 8 | 2 | 2 | 2 | 1 | ... | 1 | 1 | 1 | 8 |
| 3 | 1 | ... | ... | 1 | 1 | 3 | 2 | 9 | 3 | ... | 1 | ... | ... | ... | 2 | ... | 3 |
| 4 | 1 | ... | 1 | 2 | ... | 1 | ... | 5 | 4 | 1 | 1 | ... | ... | 3 | ... | ... | 5 |
| 5 | 1 | 1 | 1 | 2 | 1 | ... | ... | 6 | 5 | 1 | 1 | 2 | ... | 2 | 2 | ... | 8 |
| 6 | ... | 1 | 2 | ... | ... | 1 | ... | 4 | 6 | 4 | 1 | 3 | ... | ... | 1 | 1 | 10 |
| 7 | 2 | ... | ... | ... | 1 | ... | ... | 3 | 7 | 1 | 1 | 2 | ... | ... | 2 | 3 | 9 |
| 8 | 1 | 1 | 1 | 1 | ... | ... | ... | 4 | 8 | 2 | 2 | 1 | 1 | 3 | 3 | 3 | 15 |
| 9 | ... | ... | 3 | ... | ... | 1 | 1 | 5 | 9 | ... | 2 | ... | 1 | 2 | 1 | 1 | 7 |
| 10 | 1 | ... | 1 | ... | 3 | 1 | 2 | 8 | 10 | ... | 1 | 3 | 1 | ... | ... | 2 | 7 |
| 11 | 2 | ... | 1 | 2 | ... | 2 | 2 | 9 | 11 | ... | 3 | ... | ... | ... | ... | 1 | 4 |
| 12 | 2 | 2 | ... | 2 | ... | 1 | 2 | 9 | 12 | 3 | ... | 1 | 1 | 1 | 1 | ... | 7 |
| Total | 14 | 14 | 12 | 11 | 8 | 11 | 11 | 81 | | 14 | 16 | 15 | 4 | 13 | 15 | 12 | 89 |

GRAND TOTAL ... 170

B.

*Summary of Weekly Calls.*

| No. | Week ending | With steamer. | With hose reel or manual. | Total. | No. | Week ending | With steamer. | With hose reel or manual. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7th April | ... | 2 | 2 | 27 | 7th Oct. | ... | 1 | 1 |
| 2 | 15th " | 5 | 2 | 7 | 28 | 14th " | 2 | 1 | 3 |
| 3 | 22nd " | 4 | 4 | 8 | 29 | 21st " | ... | ... | ... |
| 4 | 29th " | 3 | 3 | 6 | 30 | 28th " | ... | 1 | 1 |
| 5 | 6th May | 2 | 3 | 5 | 31 | 4th Nov. | 2 | 3 | 5 |
| 6 | 13th " | 3 | 1 | 4 | 32 | 11th " | 1 | 4 | 5 |
| 7 | 20th " | 4 | 3 | 7 | 33 | 18th " | 2 | 1 | 3 |
| 8 | 27th " | 1 | 2 | 3 | 34 | 25th " | 2 | ... | 2 |
| 9 | 3rd June | 1 | 2 | 3 | 35 | 2nd Dec. | 6 | ... | 6 |
| 10 | 10th " | ... | ... | ... | 36 | 9th " | 1 | 1 | 2 |
| 11 | 18th " | 4 | 1 | 5 | 37 | 16th " | 2 | 1 | 3 |
| 12 | 24th " | ... | ... | ... | 38 | 23rd " | 1 | 3 | 4 |
| 13 | 1st July | ... | ... | ... | 39 | 30th " | 3 | 4 | 7 |
| 14 | 8th " | ... | ... | ... | 40 | 6th Jan. | 2 | 2 | 4 |
| 15 | 15th " | ... | ... | ... | 41 | 13th " | 2 | 3 | 5 |
| 16 | 22nd " | ... | ... | ... | 42 | 20th " | ... | 2 | 2 |
| 17 | 29th " | ... | ... | ... | 43 | 27th " | 1 | 2 | 3 |
| 18 | 5th Aug. | 1 | 1 | 2 | 44 | 3rd Feb. | 1 | 2 | 3 |
| 19 | 12th " | ... | ... | ... | 45 | 10th " | 2 | 2 | 4 |
| 20 | 19th " | 1 | 1 | 2 | 46 | 17th " | 3 | ... | 3 |
| 21 | 26th " | ... | ... | ... | 47 | 24th " | 1 | 1 | 2 |
| 22 | 2nd Sept. | ... | 1 | 1 | 48 | 3rd March. | 3 | 3 | 6 |
| 23 | 9th " | ... | ... | ... | 49 | 10th " | 5 | 5 | 10 |
| 24 | 16th " | ... | ... | ... | 50 | 17th " | 8 | 3 | 11 |
| 25 | 23rd " | ... | ... | ... | 51 | 24th " | 3 | 1 | 4 |
| 26 | 30th " | 3 | ... | 3 | 52 | 31st " | 6 | 7 | 13 |
| | Total ... | 32 | 26 | 58 | | Total ... | 59 | 53 | 112 |

GRAND TOTAL ... 170

C.

*Monthly Summary of Calls.*

| Months. | Total. | Months. | Total. |
|---|---|---|---|
| April ... ... | 23 | October ... ... | 5 |
| May ... ... | 19 | November ... | 15 |
| June ... ... | 8 | December ... | 22 |
| July ... ... | 0 | January ... ... | 14 |
| August ... ... | 4 | February ... ... | 12 |
| September ... ... | 4 | March ... ... | 44 |
| | Total ... | 170. | |

9. *Prosecutions.*—Three licenses were granted under section 36, Act I of 1893, for letting off fireworks, rockets, etc. None of them were suspended under section 37 of the Act during the year. Five persons were prosecuted, all of whom were convicted and fined for letting off fireworks under section 66, Act IV of 1866.

Eight licenses for the sale of fireworks were cancelled during the year.

10. *Water-supply.*—The water used by the Brigade is obtained from the street mains, wherever the unfiltered water-supply has been extended. It is, however, necessary, as soon as the Brigade leaves the station, for the Pumping Station to be rung up on the telephone and a request made to put on pressure.

Where there are no street mains available, water is obtained from any tank, and, in some cases, when the tide allows, from the river Hooghly direct.

In Howrah the supply of water from tanks is very scanty and is getting less and less every year, there is no other source of supply except from the river Hooghly.

Howrah, Chitpur, Garden Reach, and a portion of the added area are not supplied with unfiltered water. Mains, however, are being laid down in the added area.

The East Indian Railway goods sheds have a supply of water of their own for the protection of their goods sheds. They also keep two manual engines and a supply of hose and a staff of men to work their appliances. All their hose is now fitted with instantaneous couplings.

11. *Telephones and Fire alarms.*—At the head-quarters, Lal Bazar, there is a telephone exchange with 58 connections (and space for 42 more) to all police-stations.

Communication can also be obtained through the Head Telephone Office and Government Telegraph Office with any subscriber on the General Telephone Exchange.

The direct communication from head-quarters is principally with thanas and Pumping Stations and also to the Port Commissioner's Fire-Float stationed off Fort Point.

The East Indian Railway goods sheds are in direct telephonic communication with Howrah Fire station and also have a Fire alarm (the only one in Calcutta) at the Howrah Fire Station. Besides the telephone for the purpose of reporting fires, there are look-outs at all Fire Stations where steam or manual engines are kept.

At head-quarters and Howrah, Tell-tale clocks have been introduced on the Look-out Towers and have proved a useful check.

The Port Commissioners have called for tenders for the supply of hose and fire appliances (including instantaneous couplings) for the whole of the Docks and the Fire floats.

12. *New Fire Appliances.*—The 65-foot combined Water-Tower and Fire Escape ordered last year is expected to reach Calcutta shortly. Although the majority of buildings in Calcutta are so built that escape from them on the outbreak of a fire is easy, still a large number of very tall structures are being put up in Calcutta, for instance, Chowringhee Mansions, Bengal Club and the Chartered Bank in Clive Street, where an escape might be necessary.

Water-Tower and Escape.

But the principal use to which it is intended to put this Water-Tower will be at large Jute and Cotton fires when the walls are in an unsafe condition and it is not possible to pump water direct onto the fire from them.

By means of the Tower, a stream of water can be driven right into the heart of the flames.

13. *Calls.*—Calls to the number of 170 were recorded during the year, being an increase of 22 over the previous year. The above figures include 16 River and mill fires attended by the Brigade assisted by the Port Commissioners' Fire Floats. The distance travelled to and from fires by the Brigade was 211 miles. Eighty-two fires were attended by the Brigade during the year. The average distance travelled per fire was 2·57 miles. One horse died during the year.

14. *Fatalities.*—From the 1st of April 1908 to the 31st of March 1909, 13 fatalities occurred at fires:—

(1) On the 16th April, a blind old woman, named Nizaban Bibi, aged about 50 years, was burnt to death in her *goleputta* hut.

(2) On the 9th October, an old man, named Ram Lal Sakina, aged about 60 years, was burnt to death on Strand Road whilst endeavouring to rescue some of his property from the interior of the house.

(3) At Lukshmi Narain Chukerbutty's Lane, Howrah, an old woman, named Gonesh Bewa, aged about 65 years, was burnt to death while trying to rescue her cow from a burning hut.

(4) On the 28th February 1909, at Bola Ram Mozumdar's Street, 23 persons suffering from, more or less, serious burns received at a fire in a *hogla* shed erected for Puja purposes, were removed to the hospital: seven of them succumbed subsequently to the injuries received.

(5) At Rustomjee Parsee Bazar, Belliaghatta, two Muhammadans, named Shaik Bhakoo and Shaik Reazuddin, respectively, were burnt to death. The former received severe burns whilst escaping from his room through the flames. He was removed to hospital, where he died soon after admission. The body of latter was found among the burnt jute the morning after the fire.

15. *Accidents to fireman.*—One European fireman was injured at a fire at the Union Press on the 29th April 1908 by a falling cornice. He was removed to hospital and detained ten days.

At the Rajganj fire on the 20th February 1909 a khalasi was burnt by falling between two burning bales of jute. He was removed to hospital and detained 31 days.

16. *Miscellaneous.*—There is a forge attached to the Brigade which does most useful work, not only in shoeing the horses, but in making up a great deal of iron work.

17. Chief Engineer J. Holmes was granted combined leave for 23 months on 30th August 1907. His leave will expire on the 30th July, when he will retire.

The Brigade suffered a severe loss during the year by the death of the acting Chief Engineer, Mr. J. G. Fulthorpe, on the 21st February 1909, from small-pox. This officer had done much during the brief period he had been in charge to increase the efficiency and utility of the Brigade.

18. The desirability of purchasing a motor fire engine for Calcutta has been engaging the serious attention of the Corporation. The utility of such a fire engine in an oriental city, where climatic conditions tell heavily against horse traction, is self-evident.

Financial reasons alone have, up to now, militated against the addition of a motor fire engine to the Calcutta Fire Brigade. It is hoped, however, that these may be overcome.

## APPENDIX I.

| Station. | Engines, Steam. | Engines, Manual. | Hose Carts. | Brakes. | Hose Reels. | Hose Carts (Hand). | Water Tower and Fire escapes. | Coal Carts (Hand). | Toser's Hand Pumps. | Ladders, Scaling, 6 feet lengths. | Ladders-Pompier. | Stand Pipes. | Branch Pipes. | Nozzles. | Nozzles, Spreading. | Hydrant keys. | Dividing breechings. | Canvas Buckets. | Acetylene Head Lamps. | Acetylene Hand Lamps. | Straw Hooks. | Rubber Gloves. | Adapters. | Hose Suction (lengths). | Portable Tanks. | Tourniquets. | Hose Delivery Extra Dub-Sub. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Head-quarters ... ... | 4* | 1 | 2 | 4 | ... | ... | 1† | ... | 3 | 14 | 1 | 10 | 28 | 57 | 8 | 6 | 9 | 17 | 2 | 2 | 18 | 2 | 5 | 18 | 4 | 19 | 6,600 |
| Howrah ... ... | 1 | ... | 1 | 2 | ... | ... | ... | 1 | 1 | 6 | ... | 2 | 6 | 3 | 1 | 2 | 1 | 6 | ... | ... | 3 | 1 | 2 | 6 | 1 | 3 | 2,000 |
| Chitpur ... ... | 1 | ... | 1 | 1-1‡ | ... | ... | ... | 1 | 1 | 6 | ... | 2 | 6 | 3 | 1 | 2 | 1 | 6 | ... | ... | ... | 1 | 2 | 6 | 1 | 3 | 2,000 |
| Palmer's Bridge ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | 700 |
| Bhowanipur ... ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | 500 |
| Garden Reach ... ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | 700 |
| Watgunge ... ... | ... | 1 | ... | ... | ... | ... | ... | 1 | ... | ... | ... | 1 | 1 | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 7 | ... | ... | 500 |
| Sibpur ... ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | 500 |
| Sukea Street Thana ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Cossartoollee ,, ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Burtola ,, ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Jorabagan ,, ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Meechipara ,, ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Taltolla ,, ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Fenwick Bazar ,, ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Ballyganj ,, ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Alipore Thana ,, ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 350 |
| Total ... | 6 | 6 | 4 | 8 | 4 | 5 | 1 | 3 | 5 | 26 | 1 | 28 | 54 | 87 | 10 | 29 | 11 | 29 | 2 | 2 | 21 | 4 | 9 | 62 | 6 | 25 | 16,850 |

‡ One tum-tum for exercising horses. * One out of commission. For sale. † Budgetted for. Not as yet received.

*Disposition of permanent staff of the Calcutta Fire Brigade.*

| Station. | Superintendent. | Chief Engineer. | Inspector under Jute Warehouse and Fire Brigade Act. | Assistant Engineers. | European Drivers. | Native Drivers. | Tindals. | Firemen Stokers. | Khalasis. | Bhistis. | Mehters. | Horses. | Syces. | Peon (for No. 4). | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Head-quarters, Lall Bazar. | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 1 | 14 | 2 | 2 | 15 | 15 | 1 | |
| Howrah ... | ... | ... | ... | 1 | ... | 1 | 4 | 1 | 12 | ... | 1 | 3 | 3 | ... | |
| Chitpur ... | ... | ... | ... | 1 | ... | 1 | 2 | 1 | 11 | ... | 1 | 3 | 3 | ... | |
| Palmer's Bridge | .. | ... | ... | ... | ... | ... | 2 | ... | 12 | ... | ... | ... | ... | ... | These are manual engines. |
| Bhowanipur ... | ... | ... | ... | ... | ... | ... | 2 | ... | 12 | ... | ... | ... | ... | ... | |
| Watgunge ... | ... | ... | ... | ... | ... | ... | 2 | ... | 12 | ... | ... | ... | ... | ... | |
| Garden Reach ... | ... | ... | ... | ... | ... | ... | 2 | ... | 12 | ... | ... | ... | ... | ... | |
| Sibpur* ... ... | ... | ... | ... | ... | ... | ... | 1 | .. | 5 | ... | ... | ... | ... | ... | |
| Total ... | 1 | 1 | 1 | 4 | 2 | 4 | 18 | 3 | 90 | 2 | 4 | 21 | 21 | 1 | |

* This station is immediately under the Assistant Engineer in charge of Howrah Fire Station.
† This force is augmented by a permanent stand-by of 12 European Police Sergeants in two shifts.
‡ These men are paid Rs. 5 per each fire they attend.
§ Hose reels with 350 feet of hose and necessary gear are posted at Fenwick Bazar, Taltolla, Sukea Street Jorabagan, Cossartolli, Burtola, Ballyganj, Muchipara and Alipur thanas. These reels are used by local police in case of fire, but can only work during the hours when water pressure is on, the supply being interrupted.

## APPENDIX II.

*Abstract of Receipts and Disbursements of the Fire Brigade Fund for the year ending 31st March 1909.*

| Receipts. | Budget estimate for 1908-09. | Actual receipts for 1908-09. | Increase. | Decrease. |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| | Rs. | Rs. A. | Rs. | Rs. |
| Balance at the beginning of the year. | ... | 8,091 8 | ... | ... |
| Proportionate cost payable by Corporation, Calcutta. | 70,764 | 70,764 0 | ... | ... |
| Cossipore-Chitpur Municipality ... | 15,164 | 15,164 0 | ... | ... |
| Maniktola Municipality ... | 11,120 | 11,120 0 | ... | ... |
| Howrah Municipality ... | 2,528 | 2,528 0 | ... | ... |
| Garden Reach Municipality ... | 1,516 | 1,516 0 | ... | ... |
| Total ... | 1,01,092 | 1,01,092 0 | ... | ... |
| Fees under Petroleum Act ... | 1,000 | 793 0 | ... | 207 |
| Ditto Fire works, Suburbs ... | 50 | 30 0 | ... | 20 |
| Total ... | 1,050 | 823 0 | ... | 227 |
| Fines under Petroleum Act ... | 20 | ..... | ... | 20 |
| Ditto Fire Brigade Act ... | ... | ..... | ... | ... |
| Ditto Jute Warehouse Act | ... | ..... | ... | ... |
| Total ... | 20 | ..... | ... | 20 |
| Hire of Fire Engine ... | 200 | 7,653 0 | 7,453 | ... |
| Rent of telephone lines ... | ... | ..... | ... | ... |
| Sale proceeds of unserviceable horses. | 200 | 70 0 | ... | 130 |
| Miscellaneous ... | ... | ..... | ... | ... |
| Total ... | 400 | 7,723 0 | 7,453 | 130 |
| Sale proceeds of horses ... | 200 | ..... | ... | 200 |
| Water pressure ... | ... | ..... | ... | ... |
| Total ... | 200 | ..... | ... | 200 |
| Grand Total ... | 1,03,762 | 1,17,729 8 | 7,453 | 577 |

| Payment. | Budget estimate for 1908-09. | Actual charges for 1908-09. | Increase. | Decrease. |
|---|---|---|---|---|
| 6 | 7 | 8 | 9 | 10 |
| | Rs. | Rs. A. P. | Rs. | Rs. A. P. |
| Establishment— | | | | |
| Lall Bazar ... | 22,056 | 21,500 12 10 | ... | 555 3 2 |
| Howrah ... | 5,814 | 5,556 0 0 | ... | 258 0 0 |
| Bhowanipur ... | 1,584 | 1,544 0 0 | ... | 40 0 0 |
| Watgunj ... | 1,584 | 1,550 0 0 | ... | 34 0 0 |
| Palmer's Bridge ... | 1,584 | 1,552 0 0 | ... | 32 0 0 |
| Chitpur ... | 5,178 | 5,045 0 0 | ... | 133 0 0 |
| Garden Reach ... | 2,076 | 2,060 14 11 | ... | 15 1 1 |
| Total ... | 39,876 | 38,808 11 9 | ... | 1,067 4 3 |
| Contingencies ... | 60,277 | 48,003 4 6 | ... | 12,273 11 6 |
| Other charges ... | 6,609 | 5,067 8 0 | ... | 1,541 8 8 |
| Total ... | 1,06,762 | 92,679 8 3 | ... | 14,082 7 9 |
| Closing balance on 31st March 1909. | ... | 25,049 15 9 | ... | ..... |
| Grand Total ... | ... | 1,17,729 8 0 | ... | ..... |

## APPENDIX III.

*Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1908 to 31st March 1909.*

| Number. | Date. | Locality with Section letter. | Duration of fire. | Approximate value of property destroyed. | Remarks showing nature of damages done, etc |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 1908. | *Town and Port Police.* | | Rs. | |
| 1 | 11th April ... | Kidderpore Docks, 3rd Division, Port Police. | 1 hour ... | 2,000 | A thatched godown containing some oil, paint and stores. Not insured. |
| 2 | 14th " ... | Rink on Maidan, M. Town. | Do. ... | 500 | A corrugated shed used as a bar room containing liquor, chairs and tables. Not insured. |
| 3 | 21st " .. | 29, Brindaban Bysack's Street, B. Town. | 7 hours ... | 13,348 | A pucka building containing hemp. Insured. |
| 4 | 24th " ... | 1-1, Vansittart Row, L. Town. | 1 hour ... | 2,000 | Some barrels of rum and wine which were stored in a godown belonging to Messrs. Kreig & Co. Insured. |
| 5 | 1st May ... | 22, Giree Baboo's Lane, H. Town. | 30 minutes ... | 50 | A portion of a tiled hut. Not insured. |
| 6 | 2nd " ... | 35, Harinbaree Lane, H. Town. | 50 ditto ... | 1,320 | Two tiled huts containing hides. Not insured. |
| 7 | 25th " ... | 1, Sib Krishnadhn Lane, F. Town. | 30 ditto ... | 50 | A wooden partition and some bedding. Not insured. |
| 8 | 17th June ... | 39-3, Sookea's Street, D. Town. | 2 hours and 25 minutes. | 1,500 | A tiled hut containing three cows, some straw, mustard seed, and mustard oil. Not insured. |
| 9 | 5th Aug. ... | 31, Hogg Street, M. Town. | 2 hours and minutes. | 500 | A corrugated iron hut with mat walls, containing *moodie's* stores, cloth and miscellaneous goods Not insured. |
| 10 | 28th Sept. ... | 242-1, Upper Circular Road, C. Town. | 5 hours and 30 minutes. | 1,20,000 | A four-storied building containing flour, wheat and machinery. Insured. |

## APPENDIX III—*continued.*

*Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1908 to 31st March 1909*—continued.

| Number. | Date. | Locality with Section letter. | Duration of fire. | Approximate value of property destroyed. | Remarks showing nature of damages done, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 1908. | *Town and Port Police*—concluded. | | Rs. | |
| 11 | 28th Sept. ... | Fancy Lane, L. Town ... | 1 hour and 25 minutes. | 25,000 | Five motor cars and a quantity of accumulators. Insured. |
| 12 | 9th Oct. ... | 45-B, Strand Road, E. Town. | 3 hours and 50 minutes. | 17,000 | Seven sheds (tiled and zinc); two of these were occupied by some people; the remainder were stored with mustard oil, molasses, chillies, gram, lime, soorkee and sand. Insured. |
| 13 | 11th „ ... | 50, Clive Street, G. Town. | 2 hours ... | 450 | A godown containing paint and oil damaged. Not insured. |
| 14 | 10th Nov. ... | 106 and 107, Baitkahana Road, I. Town. | 1 hour ... | 250 | A tiled hut consisting of nine rooms and some household property. Not insured. |
| 15 | 14th „ ... | Bagh Bazar Ghat, River Hooghly, 1st Division, Port Police. | 1 hour and 30 minutes. | 100 | A country boat laden with straw. Not insured. |
| 16 | 14th „ ... | 82, Sheriff Duftry's Lane, N. Town. | 30 minutes | 200 | A tiled hut consisting of five rooms, bedding, clothes, boxes, etc. Not insured. |
| 17 | 23rd „ ... | Munshi Suderuddin's Lane, E. Town. | 3 hours and 15 minutes. | 50,500 | A portion of a two-storied building containing muslins, clothes, chudders, etc. (Building not insured.) Property insured. |
| 18 | 26th „ ... | 26, Kangrapatty Street, Bara Bazar, G. Town. | 2 hours and 30 minutes. | 89,000 | A two-storied building containing cotton and woollen goods. Goods insured. |
| 19 | 7th Dec. ... | No. 2, Esplanade Moorings, 3rd Division, Port Police. | 3 hours ... | 7,000 | Some bales of jute on board S S. *Loch Tay*. Insured. |
| 20 | 12th „ ... | 8, Noyan Sur's Lane, B. Town. | 15 hours and 15 minutes. | 16,500 | A godown containing jute. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 21 | 19th „ ... | East Indian Railway offices, Fairlie Place, L. Town. | 15 minutes ... | 50 | Some jute and paint which were stored in a godown belonging to the Resident Engineer. Insured. |
| 22 | 27th „ ... | Baghbazar Ghat, 1st Division, Port Police. | 2 hours ... | [illegible] | A country cargo boat laden with jute. Not insured. |
| 23 | 27th „ ... | Kidderpore Docks, No. 1 Shed, 3rd Division, Port Police. | 1 hour ... | 2,000 | A truck laden with bales of jute on the Port Trust Railway. Not insured. |
| | 1909. | | | | |
| 24 | 10th Jan. ... | River Hooghly, 1st Division, Port Police. | 2 hours and 5 minutes. | 5,450 | A cargo boat laden with jute. Insured. |
| 25 | 4th Feb. ... | 156, Harrison Road, G. Town. | 1 hour ... | 13,700 | A portion of a four-storied building containing clothes, fruits, etc., damaged by fire and water. Not insured. |
| 26 | 8th „ ... | 3, Raja Nobo Kissen Street, A. Town. | 30 minutes ... | 850 | A tiled hut containing one carriage, some hay, straw and wool. Not insured. |
| 27 | 15th [illegible] ... | 80, Nimtolla Ghat Street, B. Town. | 1 hour and 50 minutes. | 2,000 | A portion of a corrugated iron building damaged. Not insured. |
| 28 | 28th „ ... | 20-1, Balaram Mazumdar's Street, B. Town. | 35 minutes ... | 2,000 | A large *hogla* shed erected temporarily for puja purposes (Barwari puja). Not insured. |
| 29 | 4th March... | 162-1, Upper Chitpur Road, A. Town. | 15 minutes ... | 150 | Three shamianas, some chairs, chudders, bamboo, etc., belonging to a nautch party. Not insured. |
| 30 | 7th „ ... | [illegible] MacLeod Street, O. Town. | 1 hour and 30 minutes. | 1,500 | Fifteen tiled huts some personal effects and some straw. Not insured. |
| 31 | 13th „ ... | 124, Bowbazar Street, K. Town. | 45 minutes ... | 500 | A portion of a tiled hut containing household effects. Not insured. |
| 32 | 22nd „ ... | No. 10, Extension Shed, Kidderpore, Docks, 3rd Division, Port Police. | 1 hour and 45 minutes. | 2,600 | One hundred and twenty-five bales of jute partly damaged by fire and water. Insured. |
| 33 | 26th „ ... | No. 9, Howe's Lane, J. Town. | 1 hour and 30 minutes. | 5,800 | A one-storied pucka building containing furniture; cash and jewellery. |
| 34 | 30th „ ... | 246, Bowbazar Street, H Town. | 30 minutes ... | 2,500 | Two tiled huts containing furniture. |
| 35 | 30th „ ... | 25, Jelliatolla Street, F. Town. | 1 hour and 30 minutes. | 140 | Some household property which was stored in a room in a pucka building. Not insured. |
| 36 | 30th „ ... | 199, Upper Chitpur Road, A. Town. | 22 hours and 40 minutes. | 10,000 | Three stacks of straw and hay and three corrugated-iron sheds. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |

## APPENDIX III—*continued.*

*Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1908 to 31st March 1909.*—continued.

| Number. | Date. | Locality with Section letter. | Duration of fire. | Approximate value of property destroyed. | Remarks showing nature of damages done, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 1908. | *Suburbs.* | | Rs. | |
| 1 | 6th April ... | Tiljulla 1st Lane, G. Suburbs. | 45 minutes ... | 50 | A tiled hut. Not insured. |
| 2 | 10th „ ... | Larkopara, H. Suburbs | 2 hours ... | 500 | Six *goleputta* huts, some household property and a cow. Not insured. |
| 3 | 11th „ ... | Union Jute Press Nawabputty Road, Chitpur, B. Suburbs. | 4 hours and 40 minutes. | 30,000 | A corrugated iron godown containing jute. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. Insured. |
| 4 | 13th „ ... | Circular Canal Road, C. Suburbs. | 4 hours and 30 minutes. | 6,000 | One corrugated iron godown destroyed and one damaged, containing drums of jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 5 | 17th „ ... | Ramessurpore Lane, N. Suburbs. | 2 hours and 15 minutes. | 450 | Five *goleputta* huts containing household-effects. Not insured. |
| 6 | 21st „ ... | 43-2, Canal East Road, E. Suburbs. | 3 hours and 30 minutes. | 6,000 | A corrugated iron godown containing mustard oil and mustard cake. Insured. |
| 7 | 24th „ ... | No. 9, Madan Pal's Lane, I. Suburbs. | 3 hours and 15 minutes. | 500 | Two tiled huts and a quantity of straw. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 8 | 29th „ ... | Union Jute Press, Nawab-Putty Road, Chitpur, B. Suburbs. | 25 hours and 15 minutes. | 2,00,000 | Two double-storied godowns containing jute and wool. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 9 | 9th May ... | Hooghly Jute Press, Chitpur, B. Suburbs. | 22 hours and 45 minutes. | 1,50,000 | A double-storied godown containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 10 | 14th „ ... | Chitpur Hydraulic Jute Press, B. Suburbs. | 7 hours and 55 minutes. | 50,000 | A two-storied building containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 11 | 15th „ ... | Ashcroft Jute Press, Chitpur, B. Suburbs. | 41 hours and 25 minutes. | 2,50,000 | A double-storied godown containing jute and machinery. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 12 | 17th „ ... | Ganges Jute Press, Chitpur, B. Suburbs. | 31 hours and 20 minutes. | 1,50,000 | A double-storied godown containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 13 | 17th „ ... | Dum-Dum Road, B. Suburbs. | 30 minutes ... | 200 | A tiled hut, some bedding and some household property. Not insured. |
| 14 | 20th „ ... | Clive Jute Mill, Garden Reach, N. Suburbs. | 56 hours ... | 1,90,000 | A number of *goleputta* huts, a peel of jute and personal effects. Insured. |
| 15 | 1st June ... | Circular Canal Road, C. Suburbs. | 15 minutes ... | 150 | A temporary structure composed of bamboo posts and *hogla* mats (Barawari). Not insured. |
| 16 | 17th Aug. ... | Gopal Mukerjee's Road, B. Suburbs. | 2 hours and 15 minutes. | 100 | A tiled hut containing some loose cotton and wood. Not insured. |
| 17 | 1st Nov. ... | Seven-tanks Lane, A. Suburbs. | 30 minutes ... | 50 | Two *goleputta* huts and some old clothes. Not insured. |
| 18 | 4th „ ... | 43, Canal East Road, E. Suburbs. | 6 hours and 45 minutes. | 1,00,000 | A corrugated iron godown containing mustard oil, linseed oil, mustard seed, poppy seed, linseed, nuts and oilcakes, Insured. |
| 19 | 20th „ ... | Dhurbagan, F. Suburbs | 1 hour ... | 100 | A tiled hut. Not insured. |

## APPENDIX III—*continued.*

*Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1908 to 31st March 1909*—continued.

| Number. | Date. | Locality with Section letter. | Duration of fire. | Approximate value of property destroyed. | Remarks showing nature of damages done, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 1908. | *Suburbs*—concluded. | | Rs. | |
| 20 | 30th Nov. ... | Strand Bank Jute Press, Chitpur, B. Suburbs. | 15 hours and 45 minutes | 1,30,000 | Two pucka godowns containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 21 | 30th „ ... | Belliaghatta Main Road, E. Suburbs. | 2 hours and 15 minutes. | 50 | Five *goleputta* huts. Not insured. |
| 22 | 20th Dec. ... | Birsool Bazar, F. Suburbs | 15 minutes ... | 100 | A *goleputta* hut and some clothes. |
| 23 | 30th „ ... | 101, Circular Garden Reach Road, M. Suburbs. | 40 minutes ... | 100 | Some cases containing liquors of sorts. Not insured. |
| | 1909. | | | | |
| 24 | 4th Jan. ... | Soorah Jute Mill, E. Suburbs. | 4 hours ... | 17,500 | A pucka building containing jute and machinery. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 25 | 30th „ ... | Gurdwari Lane, M. Suburbs. | 1 hour and 45 minutes. | 2,000 | Ten *goleputta* huts and some household property. Not insured. |
| 26 | 11th Feb. ... | Dhurbagan, F. Suburbs | 1 hour and 25 minutes. | 400 | Four *goleputta* huts and six cows. Not insured. |
| 27 | 23rd „ ... | Atlas Jute Press, B. Suburbs. | 3 hours ... | 5,000 | One godown containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 28 | 2nd March ... | Muriapuker Lane, D. Suburbs. | 45 minutes ... | 100 | One *goleputta* hut containing four rooms and some household effects. Not insured. |
| 29 | 3rd „ ... | Tikiapara, B. Suburbs ... | 2 hours and 25 minutes. | 100 | One *goleputta* hut containing eight rooms. Not insured. |
| 30 | 7th „ ... | Belliaghatta Road, F. Suburbs. | 7 hours .. | 10[illegible] | A stack of wood containing about 10,000 maunds partly damaged by fire and water. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 31 | 7th „ ... | Harookristry's Bagan, L Suburbs. | 4 hours ... | 400 | Twelve *goleputta* huts. Not insured. |
| 32 | 8th „ ... | Bibi Bagan, C. Suburbs | 5 hours and 30 minutes. | 3,000 | Twenty-four *goleputta* huts and some house hold property. Not insured. |
| 33 | 11th [illegible] | Rustomjee Parsee Bazar, Belliaghattia Main Road, E. Suburbs. | 2 hours and 50 minutes. | 2,000 | Two godowns containing jute, cotton and machinery. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 34 | 12th „ ... | Comedan Bagan, L Suburbs. | 2 hours ... | 200 | Three tiled huts, four *goleputta* huts and two cows. Not insured. |
| 35 | 13th „ ... | [illegible] Canal East Road, D. Suburbs. | 2 hours and 30 minutes. | 200 | Three tiled huts and some wood. Not insured. |
| 36 | 14th „ ... | 29, Chetla Road, K. Suburbs. | 3 hours and 15 minutes. | 150 | Four *goleputta* huts containing straw, clothing, etc. Not insured. |
| 37 | 15th „ ... | Bengal Hydraulic Jute Press, B. Suburbs. | 13 hours and 30 minutes. | 11,000 | A two-storied godown containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 38 | 25th „ ... | Bengali Bazar, Garden Reach, N. Suburbs. | 149 hours and 30 minutes. | 1,500 | About 30 *goleputta* huts and 12 stacks of straw. Not insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 39 | 29th [illegible] | Belgatchia Road, C. Suburbs. | 2 hours and 30 minutes. | 550 | A corrugated iron godown containing jute. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |

## APPENDIX III—*concluded.*

*Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1908 to 31st March 1909*—concluded.

| Number. | Date. | Locality with Section letter. | Duration of fire. | Approximate value of property destroyed. | Remarks showing nature of damages done, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | 1908. | *Howrah.* | | Rs. | |
| 1 | 8th May ... | Central Jute Mill, Golabaree Thana, Howrah. | 171 hours ... | 8,00,000 | Two large corrugated iron godowns containing jute. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 2 | 12th „ ... | Howrah Hydraulic Jute Press, Golabaree Thana, Howrah. | 3 hours and 25 minutes. | 5,000 | Some jute partly destroyed by fire and water. Insured. Licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 3 | 31st Oct. ... | Luckhi Narain Chuckerbuttys Lane, Howrah Thana. | 1 hour and 5 minutes. | 100 | Three *goleputta* huts, and one cow. Not insured. |
| 4 | 11th Dec. | Ticciapara, B.-N. Railway, Howrah Thana. | 2 hours and 10 minutes. | 2,000 | Two *goleputta* huts consisting of 50 rooms. Not insured. |
| | 1909. | | | | |
| 5 | 8th Feb. ... | Leechoo Bagan, Ramkristopur, Sibpur Thana. | 10 hours and 10 minutes. | 10,000 | Twenty *goleputta* huts and a large quantity of timber. Not insured. The timber was licensed under the Licensed Warehouse and Fire Brigade Act, I of 1893. |
| 6 | 4th March | Bibi Bagan, Howrah, Golabaree Thana. | 4 minutes ... | 60 | Two *goleputta* huts containing one cow and one calf. Not insured. |
| 7 | 18th „ ... | Ramkristopore, Howrah Thanna. | 25 minutes ... | 600 | Some gunnybags stored in a pucca building. Insured. |

*Fires attended by Brigade outside Jurisdiction.*

| | | | | | |
|---|---|---|---|---|---|
| | 1908. | | | Rs. | |
| 1 | 2nd Dec. ... | Barnagore North Jute Mill, Bengal Police, District 24-Parganas. | 8 hours and 45 minutes. | 50,000 | A pucca building containing machinery and jute. Insured. |
| | 1909. | | | | |
| 2 | 16th Feb. ... | National Jute Mill, Rajganj, Howrah district. | 323 hours and 35 minutes. | 9,25,000 | Two large godowns containing jute and some household property. |

F. L. HALLIDAY,

*Commissioner of Police.*

No. 72M., dated Calcutta, the 26th July 1909.

From—The Commissioner of the Presidency Division,
To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit herewith copies of the reports on the working of the Licensed Jute Warehouse and Fire-Brigade Act, I (B. C.) of 1893, for the year ending the 31st March 1909, in the Cossipore-Chitpur, Maniktala and Garden Reach Municipalities, as received from the Chairmen of those municipalities.

---

*Annual Reports on the working of the Licensed Jute Warehouse and Fire-Brigade Act for the year 1908-09 from the Chairmen of Cossipore-Chitpur, Maniktala and Garden Reach Municipalities.*

---

No. M. $\frac{176}{5}$ of 1909-10, dated Alipore, the 19th July 1909.

From—C. H. BOMPAS, ESQ., C.S., Magistrate of the 24-Parganas,
To—The Commissioner of the Presidency Division.

I HAVE the honour to submit herewith copies of the reports on the working of the Licensed Jute Warehouse and Fire-Brigade Act, I (B. C.) of 1893, for the year ending the 31st March 1909, in the Cossipore-Chitpur, Maniktala and Garden Reach Municipalities, as received from them.

---

No. 837, dated Talla, the 28th June 1909.

From—BABU KRIPA NATH DUTT, Chairman, Cossipore-Chitpur Municipality,
To—The Magistrate of the 24-Parganas.

WITH reference to your letter No. M. $\frac{176}{1}$ of 1909-10, dated the 26th May 1909, I have the honour to submit the following report on the working, within this Municipality, of the Jute Warehouse and Fire-Brigade Act during the year 1908-09 for submission to the Local Government as prescribed in section 41 of that Act.

2. During the year of report there were 15 jute press-houses, 1 cotton-ginning factory, 150 jute godowns, 12 roperies, 11 wood depôts and 3 golepata depôts.

100—(a) Cossipore Road.
100—(b) Ditto.
7. (c) Chitpur Street.
8. (d) New Canal Road.
8. (e) Ditto.
8. (f) Ditto.
All belonging to the Eastern Bengal State Railway System.

3. License fee was levied at the rate of Rs. 5 per cent. on the annual valuations of the warehouses and licenses were granted, during the year of report, to all of them excepting the six noted in the margin and the total amount of license and mutation fees levied on them was, as detailed below, Rs. 18,296-11-3:—

| | | Rs. | A. | P. |
|---|---|---|---|---|
| 15 | Jute press-houses ... ... ... | 11,275 | 0 | 0 |
| 1 | Cotton-ginning factory ... ... | 150 | 0 | 0 |
| 144 | Jute godowns ... ... ... | 6,405 | 5 | 3 |
| 12 | Roperies ... ... ... | 280 | 12 | 9 |
| 11 | Wood depôts ... ... ... | 50 | 10 | 9 |
| 3 | Golepata depôts ... ... ... | 9 | 14 | 6 |
| | Mutation fee ... ... ... | 125 | 0 | 0 |
| | Total ... | 18,296 | 11 | 3 |

4. The jute ware-houses named in the margin belong to the Eastern Bengal State Railway who have not paid the license fee due on them from the year 1906-07, although every endeavour was made by the Commissioners to recover them. The total amount outstanding against the Railway concern is Rs. 2,489-12 as shown in the accompanying statement.

5. The statement appended shews the receipts and the disbursements for the year under report:—

*Receipts.*

| | Rs. | A. | P. |
|---|---|---|---|
| Opening balance on the 1st April 1908 ... ... | 11,139 | 4 | 11 |
| License and mutation fee received during the year 1908-09 | 18,296 | 11 | 3 |
| Total ... | 29,436 | 0 | 2 |

*Disbursements.*

| | Rs. | A. | P. |
|---|---|---|---|
| Paid to the Commissioner of Police for the maintenance of the Metropolitan Fire-Brigade ... ... | 15,164 | 0 | 0 |
| Balance on the 31st March 1909 ... ... | 14,272 | 0 | 2 |
| Total ... | 29,436 | 0 | 2 |

6. I submit herewith copies of the statements received from the Commissioner of Police, Calcutta, showing the names of the places where fire broke out during the year of report, the properties destroyed by fire and the approximate value which was Rs. 4,85,657.

7. The names of the holders of licenses issued during the year of report for the jute warehouses, the numbers of the holdings and the names of the streets in which they are situated, their annual valuations and the amount of the license fee levied on each of them have been shown in the statement annexed.

*List of Jute Warehouses for the year 1908-09.*

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Press-houses.* | |
| 1 | 30 | Cossipore Road ... | P. G. W. Shawoo. |
| 2 | 32 | Ditto ... | Lakshmi Press. |
| 3 | 115 | Ditto ... | Chandra Mull Johari Mull and others. |
| 4 | 1 | Nawabputty Street ... | Cahal Press Co. |
| 5 | 9 | Ditto ... | Union Pressing Co. |
| 6 | 10 | Ditto ... | Upendra Nath Shawoo and others. |
| 7 | 2 & 3 | Kali Prasanna Singha's Road | Abbas Pressing Co. |
| 8 | 4, 4a, 6 & 8 | Ditto ditto ... | Strand Bank Press. |
| 9 | 13 | Ditto ditto ... | Calcutta Hydraulic Press. |
| 10 | 16 | Ditto ditto ... | Chitpur Hydraulic Press. |
| 11 | 1 | Sugar Works Lane ... | S. C. Chandra & Co. |
| 12 | 3 | Ditto ... | Messrs. Balli Brothers. |
| 13 | 1 | Chitpur Ghat Lane ... | Hanook Das Dooli Chand. |
| 14 | 3 | Ditto ... | Ditto ditto. |
| 15 | 5 | Rustomji Parsi Road ... | Camperdown Pressing Co. |
| | | *Jute Warehouses.* | |
| 16 | 7 | Pran Kissen Mukharji's Road. | Naba Kishore and Kamini Kishore Roy. |
| 17 | 8 | Ditto ditto ... | Ditto ditto. |
| 18 | 9 | Ditto ditto ... | Chandra Nath Kundu. |
| 19 | 12 | Ditto ditto ... | Dwaraka Nath Roy. |
| 20 | 16 | Ditto ditto ... | Benode Behari Ghosh. |
| 21 | 20 | Ditto ditto ... | Ram Kamal Chakravarty. |
| 22 | 21 | Ditto ditto ... | Satish Ch. Shs and others. |
| 23 | 22-a | Ditto ditto ... | Beharilal Mullik. |
| 24 | 22-b | Ditto ditto ... | Lal Behari Shadkhan. |
| 25 | 23 | Ditto ditto ... | Ramsebak Mandal. |
| 26 | 24 | Ditto ditto ... | Dina Nath and Naran Chandra Shaw. |
| 27 | 25-1 | Ditto ditto ... | Harish Chandra and Gobindhar Mullik. |
| 28 | 26-a | Ditto ditto ... | Sita Nath Mandal. |

| Serial No. | Holding No. | Street. | Names. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Warehouses*—contd. | |
| 29 | 26-b | Pran Kissen Mukharji Road. | Prio Nath Das. |
| 30 | 26-c | Ditto ditto ... | Sita Nath Mandal and others. |
| 31 | 26-d | Ditto ditto ... | Enatally Mandal. |
| 32 | 26-7 | Ditto ditto ... | Ram Saran Biswas. |
| 33 | 26-8 | Ditto ditto ... | Harish Chandra Mullik. |
| 34 | 27-1 | Ditto ditto ... | Mohim Sardar. |
| 35 | 27-b-1 | Ditto ditto ... | Enathali Mandal. |
| 36 | 30 | Ditto ditto ... | Moonserali Moonshi. |
| 37 | 31-1 | Ditto ditto ... | Barada Kanta Sardar. |
| 38 | 30-2 | Ditto ditto ... | Mohim Sardar. |
| 39 | 31 | Ditto ditto ... | Rajendra Nath Dalal. |
| 40 | 32 | Ditto ditto ... | Chandra Nath Mukharji. |
| 41 | 33 | Ditto ditto ... | Dijoraj Kauch. |
| 42 | 34-1 | Ditto ditto ... | Bastoola Mandal. |
| 43 | 34-2 | Ditto ditto ... | Sreenath Sardar and others. |
| 44 | 34-3 | Ditto ditto ... | Bastoola Mandal. |
| 45 | 34-4 | Ditto ditto ... | Ditto. |
| 46 | 36 | Ditto ditto ... | P. G. W. Sawoo. |
| 47 | 37 | Ditto ditto ... | Natobar Ghosh. |
| 48 | 2 | Pran Kissen Mukharji Lane. | Jogesh Chandar Shen. |
| 49 | 3 | Ditto ditto ... | Ram Doorlav and Sadhu Charan Roy. |
| 50 | 4 | Ditto ditto ... | Gyan Chandra Sen. |
| 51 | 5 | Ditto ditto ... | Judhistir Rajani Kanto Biswas. |
| 52 | 6 | Ditto ditto ... | Shashi Bhushan Bose. |
| 53 | 6-a | Ditto ditto ... | Judhistir Rajani Kanto Biswas. |
| 54 | 7 | Ditto ditto ... | Shashi Bhushan Bose and others. |
| 55 | 8 | Ditto ditto ... | Nabo Kishore and Kamini Kishore Roy. |
| 56 | 10 | Ditto ditto ... | Jogesh Chandra Sen. |
| 57 | 11 | Ditto ditto ... | Ram Doorlav and Sadu Charan Roy. |
| 58 | 12 | Ditto ditto ... | Ditto ditto. |

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Warehouses*—contd. | |
| 59 | 13 | Pran Kissen Mukharji Lane | Ram Doorlav and Sadu Chand Roy. |
| 60 | 14 | Ditto ... | Ditto ditto. |
| 61 | 15 | Ditto ... | Ram Durlab and Sadhu Ch. Roy. |
| 62 | 16 | Ditto ... | Ditto ditto. |
| 63 | 17 | Ditto ... | Parbati Charan Roy. |
| 64 | 18 | Ditto ... | Jogesh Chandra Sen. |
| 65 | 19 | Ditto ... | Kristo Chandra Sirdar and others. |
| 66 | 20 | Ditto ... | Ram Durlab and Sadhu Cha[illegible] Roy. |
| 67 | 21 | Ditto ... | Jogesh Chandra Sen. |
| 68 | 24 | Ditto ... | Ditto. |
| 69 | 25-a | Ditto ... | Ditto and brothers. |
| 70 | 26 | Ditto ... | Nabo Kissore Kamini Kumar Roy. |
| 71 | 27 | Ditto ... | Ditto. |
| 72 | 28 | Ditto ... | Gyan Chandra Sen. |
| 73 | 5 | Belgachia Road ... | Nritya Gopal Ghose and others. |
| 74 | 14 | Ditto ... | Chandra Nath Dulal. |
| 75 | 19 | Ditto ... | Baharali Tarafdar. |
| 76 | 29-1 | Ditto ... | Woomedali Mandal. |
| 77 | 30 | Ditto ... | Bisso Nath Miety. |
| 78 | 34-B | Ditto ... | Giribala Deby. |
| 79 | 40 | Ditto ... | Khetra Mohan Samanto. |
| 80 | 41-B | Ditto ... | Baharali Tarafdar. |
| 81 | 42 | Ditto ... | Bholai Mondal. |
| 82 | 54 | Ditto ... | Haran Chandra Dutta and others. |
| 83 | 55 | Ditto ... | Jogendra Nath Mullik and others. |
| 84 | 57 | Ditto ... | Golam Kaser and others. |
| 85 | 62-1 | Ditto ... | Enataly Tarafdar and others. |
| 86 | 62-8 | Ditto ... | Nag Chowdhury Co. |
| 87 | 62-11 | Ditto ... | Munshi Abdul and others. |

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Warehouses*—contd. | |
| 88 | 68-8 | Munshi Abdul and others ... | Khater Mandal. |
| 89 | 70 | Ditto ... | Purna Chandra Ghosh. |
| 90 | 70-a | Ditto ... | Jiban Kristo Ghosh. |
| 91 | 87 | Ditto ... | Ditto. |
| 92 | 90 | Belgachia Road ... | Bharat Chandra Saw & others. |
| 93 | 90-2 | Ditto ... | Jiban Krishna Ghosh. |
| 94 | 91 | Ditto ... | Rajendra Nath Dalal. |
| 95 | 94 | Ditto ... | Bharat Chandra Saw & others. |
| 96 | 97 | Ditto ... | Natabar Ghosh. |
| 97 | 99 | Ditto ... | Sarnamani Dasi. |
| 98 | 101 | Ditto ... | Johuruddee Mandal. |
| 99 | 104-4 | Ditto ... | Sadhu Mistree. |
| 100 | 105 | Ditto ... | Kapil Chandra Das. |
| 101 | 107 | Ditto ... | Nagendra Nath Ballav. |
| 102 | 108 | Ditto ... | Khetra Nath Shaw. |
| 103 | 110 | Ditto ... | Troylookho Nath Ghosh. |
| 104 | 2 | Strand Road ... ... | Secretary, Port Commissioners. |
| 105 | 2 | Chitpur Street ... | Gyan Chandra Sen. |
| 106 | 3 | Ditto ... | Gobinda Chandra Paul. |
| 107 | 4 | Ditto ... | Doorga Charan Saw & others. |
| 108 | 5 | Ditto ... | Krishna Chandra Sirdar and others. |
| 109 | 9 | Ditto ... | Ram Doorlav Roy & others. |
| 110 | 10 | Ditto ... | Kristo Chandra Sirdar and others. |
| 111 | 11 | Ditto ... | Sital Chandra and Telok Chandra Shaw. |
| 112 | 1-6-1 | Sett Pukur Road ... | Kristo Chandra Sirdar and others. |
| 113 | 1-6-2 | Ditto ... | Ditto ditto. |
| 114 | 4 | Ditto .. | Ram Doorlav Roy and others. |
| 115 | 6 | Ditto ... | Naba Kishore and Kamini Kumar Roy. |
| 116 | 14 | Ditto ... | Kristo Chandra Shaw and others. |

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Warehouses*—contd. | |
| 117 | 15 | Sett Pukur Road ... | Kristo Chandra Shaw and others. |
| 118 | 1-5 | New Canal Road ... | Hari Mohan Dalal. |
| 119 | 1-8 | Ditto ... | Akshay Kumar Ghosh. |
| 120 | 1-11 | Ditto ... | Mahendra Nath Maulic. |
| 121 | 1-12 | Ditto ... | Bhola Nath Ghosh. |
| 122 | 2-1 | Ditto ... | Charu Chandra Chatterji. |
| 123 | 2-3 | Ditto ... | Mohendra Nath Roy Chaudhury. |
| 124 | 4 | Ditto ... | Bharat Chandra Shaw and others. |
| 125 | 6 | Ditto ... | Nogendra Nath Ghosh. |
| 126 | 7-2 | Ditto ... | Ditto |
| 127 | 7-8-1 | Ditto ... | Mookherji and Ghosh. |
| 128 | 7-10 | Ditto ... | Ghan Krishta Ghosh. |
| 129 | 8-c | Ditto ... | Satkhira Joint Stock Co. |
| 130 | 7 | Chitpur Cross Road ... | Dwarakanath Roy. |
| 131 | 8 | Ditto ... | Ram Doorlav and Sadhu Charan Roy. |
| 132 | 1 | Brojo Doyal Shaw Road ... | Gobinda Charan Pal. |
| 133 | 2 | Ditto ... | Horo Nath Biswas. |
| 134 | 3 | Ditto ... | Ditto. |
| 135 | 6 | Ditto ... | Gobinda Chandra Pal. |
| 136 | 8 | Ditto ... | Brojo Doyal Shaw. |
| 137 | 3-1 | Barrackpore Trunk Road ... | Gadhadhar Mallik and others. |
| 138 | 83 | Ditto ... | Sreedam Kundu. |
| 139 | 84 | Ditto ... | Ditto. |
| 140 | 86-1 | Ditto ... | Anilendranath Dass & Co. |
| 141 | 20 | Talla Bagan Lane ... | Sarat Chandra Mandal. |
| 142 | 21 | Ditto ... | Khetra Mohan Ghosh and others. |
| 143 | 10 | Nilmoni Mitter's Street ... | Dijabar Khan and others. |
| 144 | 11 | Ditto ... | Gopinath Dafadar and others. |

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Jute Warehouse*—concluded. | |
| 145 | 12 | Nilmoni Mitter's Street ... | Panchanan Pal and others. |
| 146 | 13 | Ditto ... | Preo Nath Bachar. |
| 147 | 15 | Ditto ... | Debendra Nath Ballav. |
| 148 | 16 | Ditto ... | Bhim Chandra Ghosh and others. |
| 149 | 17 | Ditto ... | Durga Charan & Panchanan Mandal. |
| 150 | 1 | Cossipore Road ... | Chandra Mull Johari Mull and others. |
| 151 | 51 | Lookgate Road ... | Ramchandra and Horay Ram. |
| 152 | 6-1 | South Paikpara Road ... | Koramall Doogar. |
| 153 | 8 | Chitpur Ghât Lane ... | Jibanmull Chandan Mull. |
| 154 | 9 | Ditto ... | Ditto. |
| 155 | 10 | Ditto ... | Ditto. |
| 156 | 13 | Ditto ... | Dwarakanath and Bonomali Kundu. |
| 157 | 19 | Kali Kumar Banerji's Lane | Bonomali Chaudhury. |
| 158 | 21 | Ditto ... | Sreedam Kundu. |
| 159 | 23 | Nawabputty Street ... | Bonomali Chaudhuri. |
| | | *Roperies.* | |
| 160 | 34-5 | Belgachia Road ... | Sadhu Mistree. |
| 161 | 1-21-2 | Dakhindari Road ... | F. A. Brown, Esq. |
| 162 | 1-44 | Ditto ... | Ditto. |
| 163 | 1-62 | Ditto ... | Goormuk Roy Soora Khan. |
| 164 | 14-10 | Paikpara Road ... | Subal Chandra Chandra. |
| 165 | 29-19 | Ditto ... | Prannath Banerji. |
| 166 | 29-25 | Ditto ... | Ditto. |
| 167 | 18-1 | Ranee's Road ... | Naran Ch. Samanto. |
| 168 | 32-3 | Barrackpore Trunk Road ... | Trannath Banerji. |
| 169 | 57-9 | Ditto ... | Jeshraj Giridhari Lal. |
| 170 | 26 | Khelat Babu's Lane ... | Kiran Ch. Dutt. |
| 171 | 35-14 | Ditto ... | Luckhi Narayan Dutt. |

| Serial No. | Holding No. | Street. | Name. |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| | | *Cotton-ginning Factory.* | |
| 172 | 2 | Sugar Work Lane ... | Ernsthausen, Ld. |
| | | *Wood Depôt.* | |
| 173 | 6-5 | Krishto Lal Das Road ... | Shaik Peejuruddee. |
| 174 | 8-5 | Ditto ... | Shaik Abdul. |
| 175 | 26-9 | Barrackpore Trunk Road ... | Saroop Mistri. |
| 176 | 35-8 | Ditto ... | Ditto. |
| 177 | 1-3 | Sett Pukur Road ... | Prasanna Bewa. |
| 178 | 104-2 | Belgachia Road ... | Dinamoni Bewa. |
| 179 | 17 | Kali Kumar Banerji's Lane | Shaik Karim Bux.. |
| 180 | 11-3 | Prankissen Mukerji's Road | Cheddy and Bandhu Mistri. |
| 181 | 11-4 | Ditto ... | Natabar Mistri. |
| 182 | 62 | South Sinthee Road ... | Ram Kumar Ghata. |
| 183 | 4 | Kali Charan Sett Road ... | Hiralal Mukharji. |
| | | *Golepata Depôt.* | |
| 184 | 5 | Barrackpore Trunk Road ... | Naoool Mistree. |
| 185 | 82-2 | Ditto .. | Kalidasi Dasi. |
| 186 | 84-1 | Ditto ... | Guru Charan Nandi. |

* * * * * *

*Statement showing the account of Fires which occurred during the year 1908-09 within the jurisdiction of Ultadanga Thana.*

| Section and date. | Name of Street or Mohalla. | Name of owner of the property destroyed. | Duration of fire. | Description of property destroyed. | Approximate value of the property destroyed. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | | | | Rs. |
| 82, dated 8th March 1909. | Bibirbagan, Belgachia Road. Circle No. IV., Subdivision 14. | 1. Bama Bariwalli ...<br>2. Seorab Bewa.<br>3. Khenra Bewa.<br>4. Nurshavan Duli.<br>5. Nagdib Chandra Dey.<br>6. Shanari Bewa.<br>7. Putti Bewa.<br>8. Gonesh Dobey.<br>9. Netai Thakur.<br>10. Maloti Bewa.<br>11. Raymoni Bewa.<br>12. Khero Bewa.<br>13. Jiwan Ghosh.<br>14. Nibaran Bewa.<br>15. Saroda Ghosh.<br>16. Khettra Bewa.<br>17. Kapil Das.<br>18. Pertab Ghosh.<br>19. Pulia Shah.<br>20. Ram Prasanna Bhattacharji.<br>21. Sochella Bewa.<br>22. Dasmani Bewa.<br>23. Benode Karmakar.<br>The above are names of persons to whom the houses belonged. Household effects destroyed belonged to tenants of these houses as well as to the owners. | About 4½ hours. | 27 houses and 1 shop, clothes, utensils and taktaposhes, etc. | 4,500 |
| 541, dated 29th March 1909. | Belgachia Road | 1. Wollu Mandal ...<br>2. Probodh Sirdar.<br>3. Sherali Mistri.<br>4. Shamia Bewa. | About 2½ hours. | 1 godown and 91⅓ drums of jute and 3 drums partly damaged. | 550 |

*The 19th July 1909.*

*Statement showing the account of fire which occurred during the year 1908-09 within the jurisdiction of Cossipore thana and Chitpur thana.*

| Section and date. | Name of Street or Mohalla. | Name of the owner of the property destroyed. | Duration of fire. | Description of property destroyed. | Approximate value of the property destroyed. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | | | | Rs. |
| C. 1348, 15th June 1908. | Ramlila Bagan | Atul Jana .. | ½ hour ... | One *golepata* hut and some old clothes. | 10 |
| C. 1979, 19th August 1908. | Fool Bagan ... | Anooraj Chamar ... | ½ „ ... | A thatched hut and some clothes. | 10 |
| C. 2679, 1st November 1908. | Seven Tanks .. | Srinath Das Bairagi ... | 1 „ ... | Two *golepata* huts, some utensils and clothes, &c. | 50 |
| C. 36, 5th January 1909. | Basak Bagan ... | Shaik Sobder ... | ½ „ ... | One *golepata* shed ... | 5 |
| C. 295, 4th February 1909. | Bibir Bazar ... | Syam Lal Teli ... | 15 minutes | Some portion of a hut and some pieces of bamboos. | 2 |
| C. 893, 12th April 1909. | Gopal Chatterji's Road. | Manno Bewa ... | ½ hour ... | A *golepata* hut and 10 bags castor-seed husks. | 10 |

CHITPUR THANA.

| | | | | | |
|---|---|---|---|---|---|
| C. 84, 7th January 1908. | Bartola Bazar ... | Mulla Chand Pandey ... | [illegible] minutes | A *golepata* hut .. | 20 |
| C. 527, 11th March 1909. | Bagbazar Canal | Nayan Manjhi and Baroda Pramanik. | 1 hour ... | 1,387 drums jute and a boat. | 300 |
| C 961, 29th April 1908. | Kali Prasanna Singha's Road. | Union Jute Press Co. ... | 11¼ hours ... | 5,000 bales of jute and 2 godowns. | 2,00,000 |
| C. 1058, 9th May 1908 | Strand Bank Road | Hooghly Jute Press Co. | 6 „ ... | 2,000 bales of jute and 2 pucka godowns. | 1,00,000 |
| C. 1945, 18th August 1908. | Sawdagarputty ... | Kanai Teli ... | 2 „ .. | One tiled hut and 51 bales of jute. | 200 |
| C. 3130, 1st December 1908. | Strand Bank Road | Strand Bank Press Co. | 8 „ ... | Bales of jute and 2 godowns. | 1,30,000 |

No. 390, dated Calcutta, the 4th May 1909.

From—Babu N. N. Sinha, Vice-Chairman, Maniktala Municipality,
To—The Magistrate of the 24-Parganas.

With reference to your letter No. M $\frac{176}{1}$ of 1909-10, dated the 26th May 1909, calling for a report on the working of the Licensed Jute Ware-houses and Fire-Brigade Act in this Municipality for the year 1908-09, I have the honour to report that the share of expenditure allotted to this Municipality by the Commissioner of Police was Rs. 1,516, which was discharged by two instalments.

2. The revenue during the year under review amounted to Rs. 2,501-4-3.

3. The annexed statement will show the number of warehouses and licenses issued during the year under review.

4. License fees were levied on jute warehouses at 4 and 6 per cent. on the annual value and at 10 per cent. on trades of other descriptions mentioned in the statement and the fees were duly paid.

5. The jute godowns, firewood, packing case, hay and straw depôts are mostly situated near the Circular Canal which forms the northern, western and southern boundaries of this Municipality. Soorah Jute Mill and Messrs. W. M. Briggs & Co's. jute mill are the two mills within this Municipality situated in the north of Narikeldanga Main Road.

6. The decrease of revenue during the year 1908-09 is due to the abolition of almost all the jute godowns situated at Canal Circular Road and some in the Canal East Road.

| Description of trade. | 1908-09. No. of license issued. |
|---|---|
| Jute mill ... ... ... | 2 |
| Jute godowns ... ... ... | 23 |
| Jute roperies ... ... ... | 5 |
| Saw mills ... ... ... | 10 |
| Hay and straw depôt ... ... ... | 14 |
| Goran and golepatta depôt ... ... ... | 11 |
| Firewood depôt ... ... ... | 11 |
| Packing case depôt ... ... ... | 5 |
| Darma mat depot ... ... ... | 1 |
| Coir ropery ... ... ... | 1 |

No. 100G.M., dated the 10th June 1909.

From—H. M. PEAT, Esq., Chairman, Garden Reach Municipality,

To—The Magistrate of the 24-Parganas.

WITH reference to your No. $\frac{176}{1}$M. of 1909-10, dated the 26th ultimo, I have the honour to submit the following report on the working of the Licensed Jute Warehouse and Fire-Brigade Act in the Municipality for the year 1908-09.

During the year under review the receipts from jute warehouse fees were Rs. 1,267. A sum of Rs. 92-4 was also realized under section 25 (*b*) of the Fire-Brigade Act in respect of the Kapidanga, the Batical and the Kasaipara *bustees*. The total revenue, therefore, was Rs. 1,359-4. The share of expenditure allotted to this Municipality by the Commissioner of Police which was discharged by two instalments was Rs 2,528. There was thus a deficit of Rs. 1,168-12, which was met from the general funds of the Municipality. In levying the jute warehouse fees the limitations prescribed by the provisos to section 10 of the Fire-Brigade Act were strictly observed. The rates at which the fees were levied were 2½ per cent. on the annual valuation of all large warehouses, Rs. 5 per cottah on all straw and wood depôts and Re. 1-2 on the annual value of *bustee* lands.

3. During the year of report two fires of a serious nature broke out in two of the *bustees* and properties worth about Rs. 25,000 were destroyed.

4. A list of warehouses to which licenses were granted during the year is submitted below:—

*List of Licensed Warehouses during the year 1908-09.*

| Serial No. | Names of license-holders. |
|---|---|
| 1 | Messrs. Bird & Co., Agents, Clive Jute Mills Company. |
| 2 | Messrs Andrew, Yule & Co., Agents, Bengal Mills Company. |
| 3 | Messrs. Macneill & Co., Agents, River Steam Navigation Company, Limited. |
| 4 | Superintendent, Army Remount Depôt. |
| 5 | Manager, North-Western Soap Company. |
| 6 | Masak Ali. |
| 7 | Tarini Ch. Ghose. |
| 8 | Raj K. Sett. |
| 9 | Mati Lall Dalui. |
| 10 | Mati Lall Dalui. |
| 11 | Akbar. |
| 12 | Naboo. |
| 13 | Shaik Jamir. |
| 14 | Bakridu. |
| 15 | Baboo Khan. |
| 16 | Badlon. |
| 17 | Mahamad Ali. |
| 18 | Elahi Bux. |
| 19 | Ali Mahamad. |
| 20 | Mahammad Khan. |
| 21 | Sharatio. |
| 22 | Sultan. |

# PROSPECTUS OF THE INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, NORTH-WEST FRONTIER PROVINCE AND KASHMIR, 1909.

NOTIFICATION.

*No. 3780.—The 21st September 1909.*—The following is published for general information.

J. G. CUMMING,
*Secy. to the Govt. of Bengal.*

[2nd Edition.]

SUBJECT TO AMENDMENT.

## PROSPECTUS.

### THE INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, NORTH-WEST FRONTIER PROVINCE AND KASHMIR, 1909.

THE Indian Industrial and Agricultural Exhibition will be held this year at Lahore in the month of November.

The Indian Industrial Exhibitions held since 1901 have served greatly to popularise and encourage the Indian arts and industries, and their usefulness has been recognised by all sections of the Press and the public.

The first of these Exhibitions was organised and held at Calcutta in December 1901, and similar Exhibitions have since then been held at Ahmedabad in 1902, at Madras in 1903, at Bombay in 1904, at Benares in 1905, at Calcutta in 1906, and at Nagpur in 1907-08.

The management and organisation of the Exhibition have, since its inception, been entrusted to Committees fully representative of all sections of the public. The same practice has been followed in the Punjab, and a Committee, which is fully representative of all classes (officials as well as non-officials)—Europeans, Hindus, Sikhs and Muhammadans—has been appointed. An Executive Committee has also been formed to carry out, under the general supervision of the General Committee, the various arrangements connected with the Exhibition. Both these Committees have power to add to their number. The Executive Committee has appointed Sub-Committees to look after the several branches into which the work connected with the Exhibition has been divided.

The Government of the Punjab, fully recognising the industrial and educational value of such Exhibitions, has very kindly agreed not only to give special facilities for the exhibition of all such articles by its Agricultural, Art, Forest, Sanitary and other Departments as may prove useful or instructive to the public, but also to help in several other ways the organisation of the Exhibition. His Honour Sir Louis Dane, whose keen solicitude to promote the industrial and agricultural development of the country is well known, and who as Resident in Kashmir substantially furthered the development of the material resources of that State, has been pleased to become a Patron of the Exhibition. The Hon'ble Sir George Roos-Keppel has also been pleased to become a Patron, and has extended the help and co-operation of his Administration to the scheme.

The last Exhibition held in the Punjab was in 1893. It was, however, confined to the products of industrial arts and manufactures belonging to the Punjab, and did not include agriculture and agricultural machinery. Of the Exhibition now to be held, the Agricultural section is intended to form one of the most prominent branches. The agricultural possibilities of this Province are immense, and during the past five years the Government Department of Agriculture has done a good deal to improve agriculture on scientific lines, by making available a considerable amount of instructive and useful information regarding seeds, the diseases of crops, various kinds of manures, and the use of modern implements and machinery for economising labour and increasing production. In the development of commerce and industry, Punjab has advanced with rapid strides during the past 18 years. The Capital invested in industrial, banking and other commercial concerns that have come into existence in the Punjab during this period amounts to several crores of rupees.

Although the scope of the Exhibition is confined largely to articles of indigenous growth and manufacture, arrangements are being made for the exhibition of machinery and appliances of foreign manufacture which are likely to help and develop Indian industries.

Facilities will be afforded to the exhibitors to keep stocks of their exhibits for ready sale.

Copies of the Rules and Regulations relating to the Exhibition and of a synopsis of classification of exhibits are attached.

The Committee feel that an undertaking of this nature can only succeed with the active co-operation of all sections of the people, and they hope that all will join hands to make the Exhibition a success and in every way worthy of the Punjab and its Capital. The Committee confidently appeal to the Princes, noblemen and gentlemen of the Province, to the District and Tahsil authorities, to the District and Municipal Boards and to public Associations of all kinds—Anjumans, Sabhas and Samajes, and all who have the interests of the country at heart and are willing to assist in the development of its material resources for assistance and co-operation in bringing their labours to a happy and successful issue.

Assistance can be rendered to the objects of the Exhibition, among others, in the following ways:—*First*, by actually furnishing articles for exhibition either on loan or for sale; *second*, by subscriptions towards the funds of the Exhibition for specific purposes or to meet general expenses; *third*, by giving inducement and encouragement to skilful craftsmen on appropriate conditions in order to enable them to prepare objects for exhibition or by giving prizes; *fourth*, by display of general interest in the objects of the Exhibition by spreading information, by encouraging clever but obscure or diffident workmen, and generally by co-operating in every possible way with the efforts made by the General and the Executive Committees. The Committee cannot imagine a single patriotic Indian who takes an intelligent interest in the welfare of the country who cannot further the objects of the Exhibition in some way or other.

All communications should be addressed to the General Secretary, Industrial and Agricultural Exhibition of the Punjab, N.-W. F. Province and Kashmir, Bharat Buildings, Lahore.

COMPLETE LISTS OF PATRONS, VICE-PATRONS, PRESIDENTS, VICE-PRESIDENTS, THE GENERAL AND THE EXECUTIVE COMMITTEES, SECRETARIES, etc., WILL BE GIVEN IN THE NEXT EDITION.

## THE INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, N.-W. F. PROVINCE AND KASHMIR, 1909.

### RULES AND REGULATIONS.

1. Articles of indigenous Art or Manufacture, as well as natural, mineral or agricultural products from any part of India and adjacent British Possessions, will, as a rule, be accepted for the Exhibition. Implements or machines of foreign manufacture, which, in the opinion of the Exhibition Authorities, are likely to promote or develop Indian industries, Agriculture and resources will also be accepted.

2. No explosives or any substance which, in the opinion of the Exhibition Authorities, is noxious or dangerous, will be admitted.

3. Intending Exhibitors should refer to the printed lists (attached herewith) of the Sections and Divisions into which it is intended to classify the Exhibits. The classified list is meant only to serve for general guidance, and will not prevent Exhibitors from sending articles not specifically enumerated therein. Such articles will, however, be admitted at the discretion of the Exhibition Authorities.

4. Works of Art and articles of special merit, including those of antiquarian interest, will be thankfully received from gentlemen who do not aim at any commercial advantage or benefit. All arrangements for the display of the Exhibits lent will be made by the Exhibition Authorities at their own expense.

Gentlemen desirous of sending Exhibits on loan should write, giving all the necessary particulars about their Exhibits, to the Secretaries, who will inform them of the acceptance of their offer and make with them all the necessary arrangements in connection with the exhibition of the offered articles

5. Applications for space in the Exhibition grounds specifying their requirements should be made at once in the form annexed, and should be accompanied by a fee of Rs 5.

(It will be at the option of the Exhibition Authorities to reduce or remit the above-mentioned fee in such cases as they think fit.)

6. Intending Exhibitors are requested to send in to the Secretaries, as soon as possible, a list of their proposed Exhibits, in the printed form attached herewith. These lists should reach the Exhibition Office *at the latest by the 1st of September* 1909.

7. Exhibitors are requested to mention in their application whether they intend to illustrate practically the process or processes of the manufacture of their exhibits, and if they do, to describe the nature of the demonstration. In the form attached and referred to in Rule 5 provision is made for such description.

Steam or any other power required may be supplied by the Exhibition Authorities, if there is sufficient demand, on such terms as may be agreed upon.

8. The Exhibition Authorities will inform the applicants whether they are registered as Exhibitors, and will state the number allotted to them.

9. Each Registered Exhibitor will be allowed a covered space of 5 ft. by 5 ft. free of charge in each section; but additional covered space may be obtained at the rate of four annas per square foot, subject to a minimum charge of Rs. 2.

10. Exhibitors may obtain, on such special terms as may be agreed upon, open space for the exhibition or practical demonstration of machinery, etc. They will be allowed to erect the necessary structures at their own expense, but according to plans approved of by the Exhibition Authorities.

Other Exhibitors may also be permitted to erect their own stalls on plans to be submitted to and approved of by the Exhibition Authorities on such terms as may be agreed upon. All applications for the space required for stalls or sheds should reach the Exhibition Office not later than the 1st August.

11. The Exhibition Authorities will have absolute discretion as regards the acceptance or rejection of Exhibits and the allotment of space, covered or uncovered

12. Exhibits will be received, from the 1st of October 1909 to the 15th of November 1909. They may be sent by Railway as "Parcel" or "Goods," or through Post, or may be delivered personally, or through agents between the hours of 10 A.M. and 4 P.M. at the Exhibition grounds and to authorised persons who will be in attendance there. Receipts will be granted for the articles so delivered. In the case of goods forwarded by Railway, or Post, the freight must be prepaid and the parcels preferably insured. Exhibits forwarded "unpaid" will be refused.

13. All packages received or delivered must bear a label on the upper covering, specifying the name and number of the Exhibitor, and addressed to the Joint General Secretary in charge of Exhibits. They must contain inside a list in duplicate with all particulars required under Rule 19 in regard to the Exhibits in the package. A formal receipt will be given to the Exhibitor for the articles found in good condition.

14. Exhibitors failing to send their goods and occupy the space allotted to them by the 15th of November 1909 shall forfeit all right to exhibit, and shall not receive any refund of the payments made by them. No refund also will be given for occupying less space than that applied and paid for and allotted; and the unoccupied space will be disposed of as the Exhibition Authorities deem fit.

15. Every reasonable facility will be afforded to the Exhibitors or their agents in connection with the transport, display, sale and care of their Exhibits.

16. Exhibitors must bear all expenses incidental to the transport and the delivery of their Exhibits, as well as their removal after the Exhibition is closed. If the Exhibitors require for the display of their Exhibits in the grounds any *special* arrangement or structure, stands, cases, tables, shelves, etc., or have to mount their machinery and apparatus, they must carry out all these themselves, and at their own cost, and in accordance with the plans approved by the Exhibition authorities.

17. Exhibitors and such assistants, servants, or other attendants as Exhibitors may require for service at their stalls may be allowed to enter the Exhibition grounds on obtaining a pass from the Exhibition Authorities. All such pass-holders shall have to obey the orders of the Exhibition Authorities and the supervising staff appointed by them. The number of passes to be allowed to an Exhibitor will be determined by the Exhibition Authorities.

18. All reasonable precautions will be taken to guard the premises of the Exhibition and secure the safety of the Exhibits. The Exhibition Authorities, however, do not at all hold themselves responsible for any damage or loss, howsoever occurring. Exhibitors wishing to insure against fire their articles may apply to the General Secretary, who will arrange for the same on payment of the necessary charges. All valuable Exhibits, such as jewelry, gold and silver plate, must be forwarded under the charge of an attendant.

19. Every Exhibit must bear a label showing the name or description of the article, its price, the place and the date of its production or manufacture, the names of the manufacturer and the Exhibitor, and if purchased, the place and the date of its purchase.

20. In the Exhibition stalls orders for articles may be registered, but no Exhibit will be removed till the Exhibition is finally closed. Facilities will, however, be afforded to the Exhibitors to keep stocks of their articles for ready sale.

21. Exhibitors who are unable to attend personally or send agents in charge of their Exhibits may make special arrangements with the authorities for the exhibition of their goods, subject to the provisions of the foregoing rules, and on payment, in advance, of all estimated expenses, which may be ascertained on application.

22. The Exhibition Authorities reserve to themselves the right to remove the Exhibits of any person from the Exhibition grounds who does not conform to the rules and regulations laid down by them.

23. No article exhibited may be copied, photographed, drawn, or reproduced in any manner without the special permission of the Exhibitor and the Exhibition Authorities. General photographs of the stalls may, however, be taken with the permission of the Exhibition Authorities.

24. Arrangements with reference to machinery in motion will form the subject of general regulations :—

(1) Machinery in motion shall be accommodated in special sheds erected for the purpose.
(2) Ample space shall be provided for the free and easy movement of workmen in charge as well as of visitors.
(3) The belting, fly-wheel and other parts of a machine in motion should be well fenced.
(4) A competent man must remain in charge of the machinery all the time it is in motion.

(5) The hours during which a machine is to be worked must be previously arranged for with the Exhibition Authorities.

(6) In spite of what is contained in the above rules, the Exhibition Authorities will have the right to regulate all arrangements in connection with machinery in motion.

25. A separate section will be allotted for the display of work done by ladies.

26. The Exhibition will be opened in the last week in November 1909 for the public, and will remain open for about two months. An official catalogue of all Exhibits with the names and addresses of the Exhibitors and their Agent or Agents, if any, will be published by the Exhibition Committee before the opening of the Exhibition. A Committee of specially qualified gentlemen will be appointed as Jurors, who will examine the Exhibits, determine their relative merits and decide which of them deserve special recognition. The decision of the Jurors will be final. Gold, Silver and Bronze medals will be awarded according to their verdict. Certificates of Merit will also be given. The names of the successful Exhibitors will be published together with a description of the Exhibits and the medals and certificates they shall have respectively obtained.

27. Advertisements will be received for publication in the Official Hand-Book at the following rates, viz., full page Rs. 20, half page Rs. 12, and quarter page Rs. 7. Applications for these advertisements will be received not later than 1st October 1909, and must be accompanied by a remittance in full payment of the amount due for space applied for. Special rates will be fixed for advertisements on the cover.

28. All persons who become Exhibitors shall, by so doing, be held to signify their assent to, and acceptance of, all the foregoing Rules and Regulations, and also such other Regulations as the Exhibition Authorities may hereafter issue.

*N.B.*—All communications should be addressed to—

THE GENERAL SECRETARY, THE INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, NORTH-WEST FRONTIER PROVINCE AND KASHMIR, BHARAT BUILDINGS, LAHORE.

## THE INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, NORTH-WEST FRONTIER PROVINCE AND KASHMIR, 1909.

SYNOPSIS OF CLASSIFICATION.

*Group I.—Industrial Products.*

### CLASS A.—TEXTILES.

SECTION (*a*).—COTTON—

*Divisions.*

1. Fibre.
2. Yarn and Thread.
3. Mill Fabrics (plain and figured).
4. Hand-loom Fabrics (plain and figured).
5. Dhoti, Sari and Chadder.
6. Longcloth and Damask.
7. Muslins, Jamdanis, Kotki.
8. Twills and Canvas.
9. Towels, Jharans and Napkins.
10. Other non-specified fabrics.
11. Appliances and processes of cotton spinning.
12. Appliances and processes employed in the manufacture of cotton fabrics.

SECTION (*b*).—SILK—

*Divisions.*

13. Silk fibres, Mulberry, Tasar, Muga, Eri, Matkas, etc.
14. Yarns and Threads.
15. Fabrics, plain.
16. Tasar, Muga and Eri and other wild silk fabrics.
17. Figured and Embroidered.
18. Brocades, Kinkhabs, and Bafta.
19. Silk Muslin.
20. Mill Silk.
21. Appliances and processes employed in the manufacture of silk fibres and fabrics.

SECTION (c).—WOOL AND PASHAM—

*Divisions.*

22. Fibres.
23. Yarns and Threads.
24. Namdas or Felts and Blankets.
25 Shawls, Alwans and Lois.
26. Jamawars
27. Woollen Mill Fabrics.
28. Flannel, Broadcloth, Cashmere, etc.

SECTION (d).—MIXED FABRICS—

*Divisions.*

29. Cotton and Silk.
30. Woollen and Cotton.
31. Silk and Wool.

NOTE.—Articles mentioned under the various divisions must be of Indian manufacture with the exception of those against which an asterisk mark is placed. Under these heads articles manufactured or made both in India and outside can be exhibited.

SECTION (e).—AFTER-LOOM TREATMENT—

*Divisions.*

32. Dyeing and Calico Printing.
33. Tie Dyeing.
34. Printing and Waxing in Calico.
35. Tinsel Printing.
36. Appliances employed in the above processes.

SECTION (f).—KNITTING, ETC.—

*Divisions.*

37. Banians, Drawers and Jersey, etc.
38. Socks and Stockings.
39. Other varieties.
40. Knitting Machines, etc.

SECTION (g).—EMBROIDERY, BRAIDING AND LACE—

*Divisions.*

41. Darn satin, stem and feather stitches and Phulkari work on cotton or woollen fabrics.
42. Tent, cross and knotted embroidery.
43. Chikan work.
44. Network in satin or chain stitch.
45. Lace—cushion, point, torchon (crochet work).
46. Laid and crewel embroideries in silk or lace.
47. Gold and Silver Wire Embroidery (karchob).
48. Braidings and Trimmings.
49. Tapes and Ribbons.
50. Appliances and processes employed in Embroidery, Lace-making, etc.

SECTION (h).—CLOTHING FOR MEN, WOMEN AND CHILDREN—

*Divisions.*

51. Tailoring and Dress-making.
52. Appliances used in sewing and in making apparel.
53. Pagri, Hats, Caps, etc.
54. Various trades connected with clothing.

SECTION (i).—JUTE, HEMP AND OTHER FABRICS—

*Divisions.*

55. Jute, Hemp, Agave and other fibres.
56. Gunny, Hessian, Canvas, etc.
57. Various fabrics.

SECTION (j).—CARPETS—

*Divisions.*

58. Pile carpets (galichas).
59. Daris and Satranjis.
60. Rugs and Khilims.

SECTION (k).—ROPES AND MATTRESSES—

*Divisions.*

*61. Cordage, Ropes and Mattresses.
*62. Appliances and processes of Rope-making.

## CLASS B.—WARES AND UTENSILS—

SECTION (*l*).—METAL WARES—

*Divisions.*

63. Iron, Lead and Tin wares.
64. Tinned, Painted and Lac-coloured wares.
65. Enamelled and Niello wares.
66. Gold and Silver plate.
67. Damascened and encrusted wares.
68. Copper, Brass, Bronze and German silver wares.
69. Bidri wares.
70. Aluminium wares.
71. Miscellaneous wares and toys.

SECTION (*m*).—STONE AND GLASS WARES, INCLUDING INLAID STONE—

*Divisions.*

72. Stone carving of all kinds.
73. Lapidary work.
74. Glass wares.
75. Inlaid stonework.
76. Other unspecified stone wares.

SECTION (*n*).—CERAMIC WARES, INCLUDING POTTERY, CLAY MODELS, PLASTER AND CEMENT WORK, MOSAIC, &c.—

*Divisions.*

77. Porcelain wares and models.
78. Pottery wares and models.
79. Unglazed or *terra-cotta* wares.
80. Enamelled wares.
81. Other Ceramic wares.

## CLASS C.—DECORATION AND FURNITURE.

SECTION (*o*).—WOODWORK—

*Divisions.*

82. Carving, for Architecture, Furniture and Cabinet work.
83. Inlaying with other woods, with Ivory, &c.
84. Sandal-wood, engraved, inlaid, veneered.
85. Veneering, Applique Marquetry, Lattice work (Pinjra).
86. Painted, Stained, Imitation inlaying.
87. Papier-mache and imitation papier-mache.
88. Ornaments, Toys and Models.
89. Minor woodwork, *e.g.*, engraved fruits, nithwork, &c.
90. Household and Art Furniture, boxes and trunks.
91. Other decorative woodworks.

SECTION (*p*).—BAMBOO, CANE AND MAT WORK—

*Divisions.*

92. Furniture of all kinds, indigenous as well as Foreign.
93. Baskets.
94. Mat, Pati chick, &c.
95. Straw braiding.

SECTION (*q*).—DECORATIONS MADE OUT OF ANIMAL PRODUCTS—

*Divisions.*

96. Ivory carvings.
97. Horn, Shell, Feather or Horse-hair works.
98. Bone works.
99. Leather or Skin works.

SECTION (*r*).—MISCELLANEOUS DECORATIVE AND HOUSEHOLD WORKS—

*Divisions.*

*100. Lamps and Stoves.
*101. Metal Furniture, &c.
*102. Iron safes, &c.
*103. Locks and keys and hinges, &c.
*104. Pipes, Cigar-holders, &c.
*105. Unspecified articles.

## CLASS D.—CHEMICAL INDUSTRIES.

SECTION (s).—APPLIED CHEMISTRY—

*Divisions.*

106. Preparation of Chemicals and Pharmacy.
107. Coal-tar colours.
108. Fats, Oils, and Varnishes.
109. Vinegar and Wines.
110. Perfumery.
111. Soap, Candle, Lubricants, etc.

SECTION (t)—

*Divisions.*

*112. Cosmetics.
*113. Oil colours and Printer's Inks.
*114. Manufacture of Matches.
*115. Do. of paints and cements.
*116. Do. of paper, pasteboards and strawboards.
*117. Chrome Tanning and other processes.
*118. Gas and Acetylene lighting.
*119. Others not specified.

## CLASS E.—VARIOUS INDUSTRIES.

SECTION (u).—STATIONERY—

*Divisions.*

*120. Writing papers.
*121. Letter papers.
*122. Blotting papers.
*123. Cards.
*124. Inks.
*125. Pens.
*126. Nibs.
*127. Pencils.
*128. Holders.
*129. Pins.
*130. Sealing-wax.
*131. Gums.
*132. Inkstands and other requisites.

SECTION (v).—CUTLERY—

*Divisions.*

133. Penknives.
134. Scissors.
135. Knives.
136. Others not specified.

SECTION (w).—LEATHER GOODS—

*Divisions.*

137. Boots and Shoes.
138. Harness and Saddlery.
139. Bags and Purses.
140. Mill requisites.
141. Miscellaneous.

SECTION (x).—BRUSHES—&c., &c.

*Divisions.*

142. Bristles and Hair.
143. Vegetable fibres, &c.

SECTION (y).—INDIA-RUBBER INDUSTRIES—

*Divisions.*

144. Crude Rubber and compounding ingredients.
145. Rubber goods.

SECTION (z).—TRAVELLING AND CAMP EQUIPMENT—

*Divisions.*

146. Tents.
*147. Camp furniture.
*148. Umbrellas and Sticks.
*149. Trunks and Travelling boxes, etc.

## CLASS F.—EDUCATION, LITERATURE, SCIENCE AND ART.

*Divisions.*

150. Various Printing processes.
151. Books, &c., Newspapers, Posters.
152. Bookbinding.
153. School and College Apparatus and Appliances.
154. Maps and apparatus for Geography, etc.
155. Mathematical and Scientific Instruments.
156. Optical instruments.
157. Medical and Surgical Appliances.
158. Medical Instruments.
159. Gymnastic appliances.
160. Sports and Exercises.

## CLASS G.—GENERAL MACHINERY.

*Divisions.*

*161. Electric appliances and Machinery.
*162. Machine tools.
*163. Hand- and foot-power labour-saving appliances.
*164. Various Machines for small manufactories.

## CLASS G.—(*a*)—TRANSPORTATIONS.

*Divisions.*

*165. Monorails.
*166. Light Tramways.
*167. Motors.

## CLASS H.—APPLIANCES CONNECTED WITH SANITATION AND HYGIENE (INCLUDING MODELS AND DESIGNS).

*Divisions.*

*168. Bathing requisites.
*169. Sanitary clothing.
*170. Toilet requisites.
*171. Apparatus and appliances for physical exercise.
*172. Ventilation—heating and lighting of houses, &c.
*173. Ditto ditto ditto of public buildings.
*174. Cooking Stoves, &c.
*175. Pure food-stuffs.
*176. Large Filters for water-supplies, sand Filters. Jewal Filters, Domestic Filters and Storage of water.
177. Household and Sanitary arrangements (Pankhas, fans, etc.).
178. Disposal of sewage and refuse, septic tanks, sewage filters, Incinerators and Refuse Destructors.
179. Disinfectors and Disinfectants.

### SECTION (*aa*).—PAINTING.

*Divisions.*

180. Miniature painting.
181. Modern Oil colours painting.
182. Modern Water colours painting.

### SECTION (*cc*).—MUSICAL INSTRUMENTS, INDIAN AND FOREIGN.

*Divisions.*

183. Sitar.
184. Tabla.
185. Sarangi.
*186. Harmoniums.
*187. Pianos.
*188. Violins.
189. Taus.

### SECTION (*dd*).—DRAWING.

*Divisions.*

190. Cartoons.
191. Decorative designs, Nakshai, &c.
192. Architectural and Mechanical drawings.
193. Engraving of metals and precious stones.

### SECTION (*ee*).—MISCELLANEOUS.

*Divisions.*

194. Lithography.
195. Photographs.
196. Picture framing and Mouldings.
197. Works of Art not specified.

*Group II.—Agricultural and Forest Products and Appliances.*

SECTION (*ff*).—AGRICULTURE—

*Divisions.*

198. Implements and processes used in Rural Cultivation.

(*a*) A collection of the agricultural implements and Machines of the Province.
(*b*) A collection of novel and useful implements from other Provinces in India.
(*c*) A show of a few useful machines and implements from Foreign Countries.

As far as possible new machines and implements will be shown working.

199. An Exhibition of the common field crop plants of the Province and their products, supplemented by specimens of the more important crops and seeds from other Provinces and Foreign Countries.
200. Agricultural Industries (Sugar, Tobacco, Tea, Indigo, &c.) and the Appliances and Processes connected therewith.
201. Agricultural statistics.
202. Vegetable Food products.
203. Cattle Food and fodders.
204. An exhibition of the principal diseases of field crops.
205. Fruits and Fruit syrups, Preserved fruits, Refrigerators.
206. Jams, Jellies, Chutneys, &c., Spirits.
207. Entomological specimens of destructive and useful insects.
208. Appliances used in Horticulture and Arboriculture.
209. Kitchen and Garden plants.
210. Greenhouse and Hothouse plants.
211. Nursery Seeds and Stock.

CANAL IRRIGATION.

212. Models, Maps and Photographs.

VETERINARY.

213. Models of animals.
214. Specimens of the organisms which cause various diseases.
215. Plans and equipment of Provincial Veterinary Hospitals.

SECTION (*gg*).—FORESTS—

*Divisions.*

216. Appliances and Processes used in Forestry.
217. Timbers.
218. Bamboos, thatching grass and reeds.
219. Crude Rubbers.
220. Crude Lac.
221. Honey and Bee's wax.
222. Destructive insects, &c.
223. Management and Protection of Forests.
224. Wood Pulp.

SECTION (*hh*).—DAIRY AND DOMESTIC LAUNDRY—

*Divisions.*

225. Appliances and processes used in a Dairy.
226. Butter and Ghee.
227. Cream.
228. Cheese.
229. Skimmed milk.
230. Condensed milk.

POULTRY KEEPING.

231. Poultry.
232. Incubators and Foster-Mothers.

*Divisions.*

233. Dry cleaning.
234. Wet cleaning.

## Group III.—Mineral Products.

*Divisions.*

235. Important Minerals of economic value.
236. Representative series of rocks.
237. Slates.
238. Building Stones.
239. Ornamental Stones.
240. Corundum, Mica, Iron ores, Manganese ores, Gold, Coal.
241. Petroleum.

242. Geological Collections to illustrate the Geological formation of India.
243. Working of Mines and Quarries.
244. Metallurgy.
245 Metal working.
246. Metallic alloys.

NOTE.—Efforts will be made to exhibit some of the more useful industries in the Province in actual working, such as sugar and *gur*-making and oil-crushing.

**Telegraphic Address:**
**Exhibition, Lahore.**

To

THE GENERAL SECRETARY,
INDIAN INDUSTRIAL AND AGRICULTURAL EXHIBITION, 1909
BHARAT BUILDINGS, LAHORE.

SIR,

I WISH to exhibit the articles as per particulars given in the annexed form, at the Industrial and Agricultural Exhibition to be held at Lahore in November next.

The preliminary fee of Rs. 5 required under rule V is sent by postal money-order (if otherwise sent, delete the preceding words and state how sent).

I consent to abide by the Rules and Regulations prescribed by the Exhibition Committee; and on being informed that my name has been enrolled as an Exhibitor, I shall be glad to furnish any further information required.

I beg to remain,
SIR,
Yours faithfully,

*Signature of the intending Exhibitor*.....

*Address in full* { *Town*..... *District*..... *Province*.....

Date———

INDUSTRIAL AND AGRICULTURAL EXHIBITION OF THE PUNJAB, N.-W. F. PROVINCE AND KASHMIR, 1909.

STATEMENT OF EXHIBIT

| Description of the article. | Section and Division. | Name of manufacturer. | Place of Manufacture.* | Price of the article. | May or may not be sold at the Exhibition. | Covered space required.† | Whether any special structure, stands, furniture will be required; if so, what? | Open space required. | Whether any practical illustration of Machinery or processes is intended to be given. | Whether steam or other power would be required. | Any other special facilities desired. | Other particulars. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |

I guarantee that the particulars given above are, to the best of my knowledge and belief, correct and accurate.

*Signature of the Exhibitor* _____

*Place and date* _____

* Mention Town, District and Province.
† This column need be filled only if more space than the ordinarily allowed 5 ft.×5 ft. is required.
‡ If the article be not a *bonâ fide* manufacture of India, Burma or an adjacent British Possession, state here what indigenous industries it is likely to promote.

## WEATHER AND CROP REPORT.

*For the week ending the 27th September 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 4·66 | 9½ | 9¼ | Weather dry and hot. Winter paddy gradually recovering from the effects of floods. Prospects good. Steeping and washing of jute going on. Cattle-disease reported from the Sadar and Sahibganj thanas. Stocks of food-grains and fodder sufficient. Prices falling. |
| 2 | BIRBHUM ... | 2·32 | 9½ | 9 | Rainfall at Rampurhat 1·61 inches. Standing crops thriving well. No apprehension of scarcity. Fodder and water sufficient. No cattle-disease. |
| 3 | BANKURA ... | 2·25 | 10 | 9¾ | Rainfall at Vishnupur 3·42 inches. Weather seasonable. Harvesting of *aus* paddy continuing. State of standing crops good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 4·96 | 9 | 9 | Rainfall at Contai 4·45, at Tamluk 3·35 and at Ghatal 3·47 inches. Transplantation of winter rice over. Weeding continuing. Prospects good except at Ghatal. Cutting and steeping of jute continuing. Cattle-disease in thanas Midnapore, Salboni, Jhargaon and Keshiari. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 1·61 | 8 | 8 | Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Harvesting of jute and *aus* paddy and weeding of winter rice continuing. Winter paddy partially damaged in flooded tracts. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | ... | 8½ | 8½ | Rainfall at Ulubaria 5·26 inches. The rainfall of the week beneficial to crops. Some crops damaged by the floods in extensive areas adjoining the Rupnarain and Damodar rivers, but a 75 per cent. outturn of winter paddy expected. Vegetable crops considerably damaged in the areas affected by the floods. No relief measures necessary. Prospects of sugar-cane fair. Stocks of food-grains and fodder and water sufficient. |
| 7 | 24-PARGANAS | 2·90 | 9 | 9½ | Weather seasonable. Harvesting of jute and *aus* paddy progressing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Baduria and at 8½ seers at Barrackpore. Diamond Harbour report not received. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 1·06 | $10\frac{7}{16}$‡ | $8\frac{9}{16}$ | Rainfall at Chuadanga 2·60, at Kushtia 1·21, at Meherpur 3·11 and at Ranaghat 2·75 inches. Prospects of standing crops good. Sowing of *rabi* crops—*Kalai* and *moong* commenced. Harvesting and steeping of jute continuing. Condition of the crop good. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from thanas Karimpur, Gangani and Mirpur. |
| 9 | MURSHIDABAD | 4·78 | 9 | 9 | Weather seasonable. Condition of mulberry, sugarcane and *bhadoi* crops good. Harvesting of *bhadoi* crops completed and that of jute nearly finished. Steeping and extracting of fibres continuing. Transplantation of *aman* paddy almost finished. Sowing of *til* and *kalai* commenced at the Kandi and Jangipur subdivisions. Fodder and water sufficient. Condition of agricultural stock good. No cattle-disease. |
| 10 | JESSORE ... | 2·96 | 11 | $10\frac{5}{8}$ | Rainfall at Jhenida 4·02, at Magura 3·87, at Narail 0·14 and at Bangaon 3·86 inches. Weather seasonable. Rainfall general. Harvesting of *aus* paddy and jute approaching completion. Jute being steeped in places. Condition favourable. Cattle-disease reported from Narail and Jhenida. Stocks of food-grains, and fodder and water sufficient. Condition of agricultural stock good. |
| 11 | KHULNA ... | 7·09 | 11 | 11 | Rainfall at Bagirhat 2·40 and at Satkhira 3·54 inches. Weather seasonable. Prices stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of winter rice and steeping of jute continuing. Prospects of standing paddy crop good. Cattle-disease reported from thanas Kaliganj and Asasuni. Fodder and water sufficient. |
| 12 | PATNA ... | 3·32 | 10<br>20* | $10\frac{1}{2}$†<br>19* | Weather hot and cloudy. Transplantation of paddy almost completed. Lands being prepared for sowing of *rabi* crops. Condition of standing crops good. Sugarcane doing well. Fodder and water sufficient. Cattle-disease reported from Nowbatpur, Manair Palisganj and Asthawas police-stations. |
| 13 | GAYA ... | 3·04 | $10\frac{5}{8}$<br>$17\frac{7}{16}$* | $10\frac{5}{8}$<br>$14\frac{3}{16}$† | Weather cloudy. Poughing of fields for sowing of *rabi* crops and harvesting of *marua* and *makai* going on. Paddy doing very well. Rainfall general and beneficial to standing crops. Prices falling. Fodder and water for cattle plentiful. Cattle-disease reported from the Sadar and Jahanabad subdivisions. |
| 14 | SHAHABAD ... | 1·72 | $10\frac{1}{2}$†<br>18* | $10\frac{1}{2}$<br>26* | Rainfall at Buxar 2·07, at Bhabhua 0·74, at Sasaram 0·44 and at Dehri 0·80 inches. Paddy crops doing well. Harvesting of *bhadoi* crops still going on in places. Sugarcane doing well except at Buxar, where it has been damaged to some extent by heavy rain. Lands being prepared for *rabi* crops. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.
‡ New *aus* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 1·31 | 10<br>22½* | 9¾<br>22* | Rainfall at Siwan 1·23 and at Gopalganj 0·87 inches. Weather cloudy and hot. Threshing of *bhadoi* crops going on. Rice and sugarcane doing well. Prices of staple food-crops falling. No cattle-disease reported. Fodder and water sufficient. Agricultural stock in fair condition. |
| 16 | CHAMPARAN ... | 0·45 | 12¾†<br>20* | 13†<br>19½* | Weather hot and sometimes cloudy. Rainfall at Bettiah 0·57 inch. Harvesting of *bhadoi* crops continuing. Fodder and water sufficient. Cattle-disease reported from thanas Bettiah, Jagapatti, Ramnagar and Bagaha. |
| 17 | MUZAFFARPUR | 2·90 | 10<br>20* | 9½<br>19* | Weather seasonable. Rainfall at Sitamarhi [illegible] and at Hajipur 0·84. Rainfall light and moderate throughout the district. Condition of standing crops very good. Harvesting of *bhadoi* crops nearing completion. Common rice and maize selling at 9¼ and 24½ seers a rupee respectively at Sitamarhi and at 8 and 21 seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Sursand. |
| 18 | DARBHANGA ... | 1·86 | 12‡<br>20¾* | 9½<br>19½* | Weather hot and cloudy. Harvesting of *bhadoi* crops continuing. Prospects good. Rain during the week very beneficial to upland paddy crops. Prices of food-grains falling. Food-stocks and fodder and water sufficient. No cattle-disease. *Makai* selling at 20¾ seers per rupee in Darbhanga bazar and dearer in the interior. |
| 19 | MONGHYR ... | 2·02 | 10½<br>20* | 10½<br>20* | Weather seasonable and hot with occasional good shower. Outturn of *bhadoi* crops estimated at 75 per cent. of the normal in Begusarai and at 50 per cent. in the Sadar subdivision. Sowing of potatoes finished in Begusarai. Condition of paddy crops excellent. Fields being prepared for *rabi* cultivation. Cattle-disease reported from Gogri thana. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 3·01 | 8⅞<br>20¼* | 9⅛<br>20¼* | Weather hot and occasionally cloudy. The present condition and prospects of standing crops very good. More rain required for high land winter rice. Condition of jute good. Harvesting of *bhadoi* crops nearly finished. Sowing of *kurthi* and *kalai* in progress. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Supaul, Madhipura and Bangaon thanas. No apprehension of scarcity. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 4·54 | 10† | 11† | Rainfall at Kishanganj 1·44 and at Araria 1·90 inches. Weather hot and cloudy. Transplantation of *aghani* paddy nearly finished. Much good done to the upland paddy by recent rain. Washing of jute in progress. Harvesting of *bhadoi* paddy going on. Prospects of standing crops good. Cattle-disease reported from Kishanganj, Gopalpur and Dhamdaha thanas. Fodder and water sufficient. New *bhadoi* rice selling at 10 seers per rupee both at Kishanganj and Araria. |

* The figures indicate the price of maize in seers per rupee.
† New *aus* rice.
‡ New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 0·77 | 8<br>15* | 8<br>15* | Rainfall at Siliguri 2·84 inches. Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing well. Terai—Transplantation of winter rice finished. Jute steeping in progress. *Bhadoi* crops being harvested. Prospects of jute and *bhadoi* crops not satisfactory. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 1·61 | 11 1/16*<br>31½† | 11<br>36† | Rainfall at Deoghar 1·66, at Godda 1·48, at Jamtara 1·27, at Pakour 3·29 and at Rajmahal 1·44 inches. Prospects of standing crops continuing favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Godda and Rajmahal. Prospects of jute not favourable. More rain wanted at Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | 2·11 | 11 3/16 | 11 5/16 | Harvesting of *beali* paddy, *mandia* and jute over. Mustard being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 4·26 | 13 | 12½ | Rainfall at Bhadrak 1·79 inches. Weather seasonable. *Saradh* paddy and sugarcane thriving well. Harvesting of jute continuing. Vegetables doing well. Condition of jute and cattle good. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Bhadrak. Prices falling. |
| 26 | ANGUL ... | 0·69 | 16¾ | 16¾ | Rainfall at Phulbani 1·83 inches. Weather cloudy. More rain urgently wanted at the Sadar subdivision for high land winter paddy. Sowing of *rabi* crops still continuing. Condition of agricultural stock good. Common rice selling at 12 seers per rupee in the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | 1·64 | 10½ | 10½ | Rainfall at Khurda 0·12 inch. *Saradh* and *laghu* paddy, sugarcane and cotton thriving well. *Beali* paddy, *mandia* and jute being harvested. No cattle-disease. Fodder and water sufficient. Common rice selling at 11¼ seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | 6·63 | 13 | 13 | Reaping and threshing of autumn rice and sowing of *moong* continuing. Condition of standing crops, sugarcane, *urid* and cotton good and that of autumn rice fair. Fodder and water-supply sufficient. Rice plants partly affected by Bangiphuti in Sadar Tahsil. Rinderpest and foot-and-mouth disease reported. Cheapest rice selling at 14 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 2·84 | 10½<br>28* | 13‡<br>26* | Weather cloudy. Fields being prepared for *rabi* crops. Standing crops good. Harvesting of *bhadoi* crops finished. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | 4·43 | 15‡ | 13‡ | Weather seasonable. Prospects good. Harvesting of *bhadoi* crops continuing. No cattle-disease reported. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† New maize.
‡ *Gora* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | 0·68 | 9 | 9 | Weather seasonable. Condition of paddy good. Fields being prepared for *rabi* crops. Fodder and water sufficient. Cattle-disease reported from several thanas. |
| 32 | MANBHUM ... | 2·95 | 12 | 11 | Rainfall at Dhanbaid 3·52 inches. Weather seasonable. State of standing crops good. Condition of winter rice and *marua* favourable. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 12 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 5·66 | 9 | 9 | Weather seasonable. Harvesting of early paddy commenced. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 8·37 | $7\frac{8}{11}$ | $7\frac{3}{11}$ | Weather hot and occasionally cloudy. Transplanting of *haimantik* seedlings and cutting of jute finished. Steeping and washing of the crop continuing. Condition of the crop fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 1·91<br>Athmallik ... ...<br>Bamra ... 4·07<br>Baramba ... 0·38<br>Baud ... 0·52<br>Bonai ... 2·60<br>Daspalla ... 0·62<br>Dhenkanal ... 3·14<br>Gangpur ... 1·70<br>Hindol ... 0·43<br>Kalahandi ... 2·48<br>Keonjhar ... 6·11<br>Khandpara ... Nil.<br>Mayurbhanj ... 3·60<br>Narsinghpur ... 0·45<br>Nayagarh ... 3·25<br>Nilgiri ... 0·88<br>Pal-Lahara ... 1·63<br>Patna ... 0·11<br>Rairakhol ... 0·78<br>Ranpur ... 1·59<br>Sonpur ... 0·31<br>Talcher ... 0·30<br>Tigiria ... Slight rain during the week.<br>Weather seasonable. Weeding in progress in Baramba, Baud, Daspalla, Dhenkanal, Hindol, Khandpara, Narsinghpur and Pal-Lahara. Harvesting of *beali* paddy continuing in almost all the States. Estimated outturn of *beali* paddy, 12 annas in Mayurbhanj, 15 annas in Athgarh and 16 annas in Nilgiri and Dhenkanal. Standing crops doing well, but rain wanted in Baramba, Hindol, Narsinghpur and Talcher. Fodder and water sufficient. During the week price of rice fallen in 4 and risen in 1 State and stationary in the remaining States: price varying from 11 seers in Mayurbhanj and 12 seers in Tigiria, Narsinghpur and Khandpara to 17 seers in Athgarh and Patna and 20 seers in Talcher, Pal-Lahara and Bonai. |

* The report is for the week ending the 18th September 1909.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 1·06 | $10\frac{7}{16}$‡ | $8\frac{9}{16}$ | Rainfall at Chuadanga 2·60, at Kushtia 1·21, at Meherpur 3·11 and at Ranaghat 2·75 inches. Prospects of standing crops good. Sowing of *rabi* crops—*Kalai* and *moong* commenced. Harvesting and steeping of jute continuing. Condition of the crop good. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from thanas Karimpur, Gangani and Mirpur. |
| 9 | MURSHIDABAD | 4·78 | 9 | 9 | Weather seasonable. Condition of mulberry, sugarcane and *bhadoi* crops good. Harvesting of *bhadoi* crops completed and that of jute nearly finished. Steeping and extracting of fibres continuing. Transplantation of *aman* paddy almost finished. Sowing of *til* and *kalai* commenced at the Kandi and Jangipur subdivisions. Fodder and water sufficient. Condition of agricultural stock good. No cattle-disease. |
| 10 | JESSORE ... | 2·96 | 11 | $10\frac{2}{3}$ | Rainfall at Jhenida 4·02, at Magura 3·87, at Narail 0·14 and at Bangaon 3·86 inches. Weather seasonable. Rainfall general. Harvesting of *aus* paddy and jute approaching completion. Jute being steeped in places. Condition favourable. Cattle-disease reported from Narail and Jhenida. Stocks of food-grains, and fodder and water sufficient. Condition of agricultural stock good. |
| 11 | KHULNA ... | 7·09 | 11 | 11 | Rainfall at Bagirhat 2·40 and at Satkhira 3·54 inches. Weather seasonable. Prices stationary. Stocks of food-grains sufficient till the next harvest. Transplantation of water rice and steeping of jute continuing. Prospects of standing paddy crop good. Cattle-disease reported from thanas Kaliganj and Asasuni. Fodder and water sufficient. |
| 12 | PATNA ... | 3·32 | 10<br>20* | $10\frac{1}{2}$†<br>19* | Weather hot and cloudy. Transplantation of paddy almost completed. Lands being prepared for sowing of *rabi* crops. Condition of standing crops good. Sugarcane doing well. Fodder and water sufficient. Cattle-disease reported from Nowbatpur, Manair Palisganj and Asthawas police-stations. |
| 13 | GAYA ... | 3·04 | $10\frac{5}{8}$<br>$17\frac{7}{16}$* | $10\frac{5}{8}$<br>$14\frac{3}{16}$† | Weather cloudy. Poughing of fields for sowing of *rabi* crops and harvesting of *marua* and *makai* going on. Paddy doing very well. Rainfall general and beneficial to standing crops. Prices falling. Fodder and water for cattle plentiful. Cattle-disease reported from the Sadar and Jahanabad subdivisions. |
| 14 | SHAHABAD ... | 1·72 | $10\frac{1}{2}$†<br>18* | $10\frac{1}{4}$<br>26* | Rainfall at Buxar 2·07, at Bhabhua 0·74, at Sasaram 0·44 and at Dehri 0·80 inches. Paddy crops doing well. Harvesting of *bhadoi* crops still going on in places. Sugarcane doing well except at Buxar, where it has been damaged to some extent by heavy rain. Lands being prepared for *rabi* crops. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.
‡ New *aus* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 1·31 | 10<br>22½* | 9¾<br>22* | Rainfall at Siwan 1·23 and at Gopalganj 0·87 inches. Weather cloudy and hot. Threshing of *bhadoi* crops going on. Rice and sugarcane doing well. Prices of staple food-crops falling. No cattle-disease reported. Fodder and water sufficient. Agricultural stock in fair condition. |
| 16 | CHAMPARAN ... | 0·45 | 12¾†<br>20* | 13†<br>19½* | Weather hot and sometimes cloudy. Rainfall at Bettiah 0·57 inch. Harvesting of *bhadoi* crops continuing. Fodder and water sufficient. Cattle-disease reported from thanas Bettiah, Jagapatti, Ramnagar and Bagaha. |
| 17 | MUZAFFARPUR | 2·90 | 10<br>20* | 9½<br>19* | Weather seasonable. Rainfall at Sitamarhi 0·50 and at Hajipur 0·84. Rainfall light and moderate throughout the district. Condition of standing crops very good. Harvesting of *bhadoi* crops nearing completion. Common rice and maize selling at 9¼ and 24½ seers a rupee respectively at Sitamarhi and at 8 and 21 seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Sursand. |
| 18 | DARBHANGA ... | 1·86 | 12‡<br>20¾* | 9½<br>19½* | Weather hot and cloudy. Harvesting of *bhadoi* crops continuing. Prospects good. Rain during the week very beneficial to upland paddy crops. Prices of food-grains falling. Food-stocks and fodder and water sufficient. No cattle-disease. *Makai* selling at 20¾ seers per rupee in Darbhanga bazar and dearer in the interior. |
| 19 | MONGHYR ... | 2·00 | 10½<br>20* | 10½<br>20* | Weather seasonable and hot with occasional good shower. Outturn of *bhadoi* crops estimated at 75 per cent. of the normal in Begusarai and at 50 per cent. in the Sadar subdivision. Sowing of potatoes finished in Begusarai. Condition of paddy crops excellent. Fields being prepared for *rabi* cultivation. Cattle-disease reported from Gogri thana. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 3·01 | 8⅞<br>20¼* | 9⅛<br>20¼* | Weather hot and occasionally cloudy. The present condition and prospects of standing crops very good. More rain required for high land winter rice. Condition of jute good. Harvesting of *bhadoi* crops nearly finished. Sowing of *kurthi* and *kalai* in progress. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Supaul, Madhipura and Bangaon thanas. No apprehension of scarcity. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 4·54 | 10† | 11† | Rainfall at Kishanganj 1·44 and at Araria 1·90 inches. Weather hot and cloudy. Transplantation of *aghani* paddy nearly finished. Much good done to the upland paddy by recent rain. Washing of jute in progress. Harvesting of *bhadoi* paddy going on. Prospects of standing crops good. Cattle-disease reported from Kishanganj, Gopalpur and Dhamdaha thanas. Fodder and water sufficient. New *bhadoi* rice selling at 10 seers per rupee both at Kishanganj and Araria. |

* The figures indicate the price of maize in seers per rupee.
† New *aus* rice.
‡ New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 0·77 | 8<br>15* | 8<br>15* | Rainfall at Siliguri 2·84 inches. Weather seasonable. Hills—Maize and potatoes being harvested. *Bara* and *chota marua*, *bhadoi* paddy and winter rice growing well. Terai—Transplantation of winter rice finished. Jute steeping in progress. *Bhadoi* crops being harvested. Prospects of jute and *bhadoi* crops not satisfactory. Prices stationary. |
| 23 | SONTHAL PARGANAS. | 1·81 | 11 11/16<br>31 1/3† | 11<br>36† | Rainfall at Deoghar 1·66, at Godda 1·48, at Jamtara 1·27, at Pakour 3·29 and at Rajmahal 1·44 inches. Prospects of standing crops continuing favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Godda and Rajmahal. Prospects of jute not favourable. More rain wanted at Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | 2·11 | 11 13/16 | 11 13/16 | Harvesting of *beali* paddy, *mandia* and jute over. Mustard being sown. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 4·26 | 13 | 12 1/3 | Rainfall at Bhadrak 1·79 inches. Weather seasonable. *Saradh* paddy and sugarcane thriving well. Harvesting of jute continuing. Vegetables doing well. Condition of jute and cattle good. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Bhadrak. Prices falling. |
| 26 | ANGUL ... | 0·69 | 16 3/4 | 16 3/4 | Rainfall at Phulbani 1·83 inches. Weather cloudy. More rain urgently wanted at the Sadar subdivision for high land winter paddy. Sowing of *rabi* crops still continuing. Condition of agricultural stock good. Common rice selling at 12 seers per rupee in the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | 1·64 | 10 1/3 | 10 1/3 | Rainfall at Khurda 0·12 inch. *Saradh* and *laghu* paddy, sugarcane and cotton thriving well. *Beali* paddy, *mandia* and jute being harvested. No cattle-disease. Fodder and water sufficient. Common rice selling at 11 13/16 seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | 6·63 | 13 | 13 | Reaping and threshing of autumn rice and sowing of *moong* continuing. Condition of standing crops, sugarcane, *urid* and cotton good and that of autumn rice fair. Fodder and water-supply sufficient. Rice plants partly affected by Bangiphuti in Sadar Tahsil. Rinderpest and foot-and-mouth disease reported. Cheapest rice selling at 14 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 2·84 | 10 1/2<br>28* | 13‡<br>26* | Weather cloudy. Fields being prepared for *rabi* crops. Standing crops good. Harvesting of *bhadoi* crops finished. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | 4·43 | 15‡ | 13‡ | Weather seasonable. Prospects good. Harvesting of *bhadoi* crops continuing. No cattle-disease reported. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† New maize.
‡ *Gora* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | 2·68 | 9 | 9 | Weather seasonable. Condition of paddy good. Fields being prepared for *rabi* crops. Fodder and water sufficient. Cattle-disease reported from several thanas. |
| 32 | MANBHUM ... | 2·95 | 12 | 11 | Rainfall at Dhanbaid 3·52 inches. Weather seasonable. State of standing crops good. Condition of winter rice and *marua* favourable. Fodder and water sufficient. Cattle-disease not reported. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 12 seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 5·66 | 9 | 9 | Weather seasonable. Harvesting of early paddy commenced. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10 seers per rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 8·37 | $7\frac{8}{11}$ | $7\frac{4}{11}$ | Weather hot and occasionally cloudy. Transplanting of *haimantik* seedlings and cutting of jute finished. Steeping and washing of the crop continuing. Condition of the crop fair. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 1·91<br>Athmallik ... ...<br>Bamra ... 4·07<br>Baramba ... 0·38<br>Baud ... 0·52<br>Bonai ... 2·60<br>Daspalla ... 0·62<br>Dhenkanal ... 3·14<br>Gangpur ... 1·70<br>Hindol ... 0·43<br>Kalahandi ... 2·48<br>Keonjhar ... 6·11<br>Khandpara ... Nil.<br>Mayurbhanj ... 3·60<br>Narsinghpur ... 0·45<br>Nayagarh ... 3·25<br>Nilgiri ... 0·88<br>Pal-Lahara ... 1·63<br>Patna ... 0·11<br>Rairakhol ... 0·78<br>Ranpur ... 1·59<br>Sonpur ... 0·31<br>Talcher ... 0·30<br>Tigiria ... Slight rain during the week.<br>Weather seasonable. Weeding in progress in Baramba, Baud, Daspalla, Dhenkanal, Hindol, Khandpara, Narsinghpur and Pal-Lahara. Harvesting of *beali* paddy continuing in almost all the States. Estimated outturn of *beali* paddy, 12 annas in Mayurbhanj, 15 annas in Athgarh and 16 annas in Nilgiri and Dhenkanal. Standing crops doing well, but rain wanted in Baramba, Hindol, Narsinghpur and Talcher. Fodder and water sufficient. During the week price of rice fallen in 4 and risen in 1 State and stationary in the remaining States: price varying from 11 seers in Mayurbhanj and 12 seers in Tigiria, Narsinghpur and Khandpara to 17 seers in Athgarh and Patna and 20 seers in Talcher, Pal-Lahara and Bonai. |

* The report is for the week ending the 18th September 1909.

GENERAL SUMMARY.—The rainfall during the week under review was general. It was heavy in Cooch Bihar, Khulna, Sambalpur and in parts of Burdwan, Midnapore, Howrah, Purnea, Balasore and Ranchi; moderate in Patna, Gaya and Bhagalpur, and light elsewhere. The recent rain has been beneficial for upland *aman* paddy in Darbhanga and Purnea. More rain is, however, wanted in parts of Bhagalpur and Angul. Harvesting of the autumn crops is approaching completion. Steeping and washing of jute continue. Reports of good prospects have been received of the *aman* paddy and sugarcane crops. Sugarcane has been damaged somewhat by excessive rain in Shahabad. The price of common rice has risen in the 24-Parganas, Patna, Champaran, Bhagalpur, Purnea and Hazaribagh, and has fallen in Burdwan, Birbhum, Bankura, Nadia Jessore, Shahabad, Saran, Muzaffarpur, Darbhanga, the Sonthal Parganas, Balasore, Ranchi and Manbhum. The price of maize has fallen in some districts due to a good harvest. Cattle-disease is reported from Burdwan, Midnapore, Nadia, Jessore, Khulna, Patna, Gaya, Champaran, Muzaffarpur, Monghyr, Bhagalpur, Purnea, the Sonthal Parganas, Angul, Sambalpur, Hazaribagh and Palamau. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 28th September 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters.*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Penicillaria typhoidum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan | ... | ... | ... | ... | ... | ... | 9 4 | 8 12 | 7 4 | 9 10 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum | 9 0 | 9 0 | 7 8 | . | ... | . | 9 0 | 9 0 | 7 8 | 9 0 | 9 0 | 7 8 | ... | ... | .. | ... | ... | ... |
| | 3 | Bankura | 8 8 | 8 8 | 8 0 | ... | ... | .. | 9 0 | 8 12 | 7 6 | 9 8 | 9 4 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore | 9 0 | 9 0 | 7 12 | ... | . | .. | 10 2 | 9 1½ | 7 9 | 11 13 | 10 8 | 8 14 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly | ... | ... | ... | ... | . | . | 7 0 | 7 0 | 6 0 | 8 0 | 8 0 | 6 8 | ... | . | ... | ... | ... | ... |
| | 6 | Howrah | ... | ... | ... | ... | ... | . | 7 8 | 7 8 | 6 0 | 8 6 | 8 8 | 7 0 | ... | . | ... | ... | ... | ... |
| Presidency Division | 7 | 24-Parganas | ... | .. | 7 12 | ... | | ... | 8 0 | 8 0 | 6 8 | 9 0 | 9 4 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta | 8 0 | 9 0 | 7 6 | 12 8 | 12 10 | 10 0 | 8 0 | 7 12 | 6 6 | 10 8 | 10 0 | 8 0 | — | ... | ... | ... | ... | ... |
| | 9 | Nadia | 8 0 | 8 0 | 7 8 | 11 12 | . | 10 12 | 8 0 | 8 0 | 6 14 | 8 9 | 8 10 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 9 12 | 9 0 | 8 0 | ... | 16 0 | 12 4 | 9 0 | 8 8 | 7 4 | 9 12 | 9 4 | 7 12 | ... | .. | ... | ... | ... | ... |
| | 11 | Jessore | 6 8 | 6 8 | 6 8 | 8 0 | 8 0 | 6 10 | 9 0 | 9 4 | 8 2 | 0 0 | 9 9 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna | ... | .. | ... | ... | ... | ... | 8 4 | 8 8 | 8 0 | 9 5 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna | 10 4 | 10 4 | 8 12 | 10 0 | 18 0 | 14 0 | 9 8 | 9 4 | 7 0 | 10 0 (a) | 10 0 | 8 8 | ... | 13 4 | ... | ... | ... | ... |
| | 14 | Gaya | 9 13 | 9 12 | 8 4 | 15 6 | 14 6 | 11 8 | 9 3 | 9 1 | 6 12 | 10 6 | 10 8½ | 7 4 | ... | ... | 9 8 | ... | ... | ... |
| | 15 | Shahabad | 9 12 | 10 0 | 8 0 | 15 0 | 14 0 | 10 8 | ... | 9 12 | 7 3 | 10 4 | 9 12 | 8 0 | .. | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran | 9 8 | 9 8 | 8 12 | 17 0 | 16 0 | 13 8 | 8 0 | 9 0 | 7 14 | 9 8 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran | 9 8 | 9 8 | 8 0 | 19 0 | 18 0 | 11 8 | 9 8 | 9 8 | 6 12 | 10 4 | 10 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur | 9 0 | 9 0 | 8 0 | 15 0 | 16 0 | 12 0 | 6 0 | 6 0 | 6 0 | 9 8 | 9 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga | 9 14 | 8 12 | 7 11 | 13 3 | 15 6 | 11 0 | 8 12 | 7 11 | 6 9 | 9 14 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |

(a) Rangoon rice.

*Station Bazars of the districts of Bengal on the 15th September 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*) | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Cholla, Kadalay or Sunaga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cadjan Pea (*Cajanus indicus*) | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 11 8 | 12 0 | 8 12 | ... | ... | ... | 9 0 | 9 0 | 6 8 | 20 8 | 21 0 | 20 0 | 1 10 6 | Panga. 1 10 0 | 1 10 6 | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 8 0 | ... | ... | ... | 7 8 | 6 12 | 6 0 | 20 0 | 18 0 | 20 0 | 1 14 0 | Karkatch. 2 10 6 | 1 15 0 | 2 |
| ... | ... | ... | ... | ... | ... | 10 4 | 10 4 | 8 8 | ... | ... | ... | 9 0 | 9 0 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | ... | ... | ... | 10 8 | 11 8 | 7 0 to 8 0 | ... | ... | ... | 8 0 | 8 0 | 5 8 to 6 0 | 21 0 | 21 0 | 20 0 | 1 12 0 | Crushed 1 12 0 | 1 12 0 | 4 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 7 8 | ... | ... | ... | 8 0 | 8 0 | 6 4 | 20 0 | 21 0 | 18 0 | 2 0 0 | Panga. 1 14 0 | 2 1 0 | 5 |
| ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 8 4 | ... | ... | ... | 9 0 | 9 0 | 7 12 | 22 8 | 22 8 | 25 0 | 1 12 0 | Panga. 1 12 0 | 1 9 6 | 7 |
| ... | ... | ... | 10 0 | 10 0 | 9 0 | 11 0 | 11 0 | 8 0 | 13 0 | 13 0 | 8 10 | 8 10 | 8 8 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 6 | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 1 13 0 | 1 14 0 | 9 |
| ... | ... | ... | ... | ... | ... | 15 8 | 14 0 | 8 12 | ... | ... | ... | 13 12 | 10 0 | 7 0 | 20 0 | 20 0 | 21 0 | 2 0 0 | 2 0 0 | 1 14 0 | 10 |
| ... | ... | ... | ... | ... | ... | 11 4 | 10 0 | 7 0 | ... | ... | ... | 11 4 | 11 4 | 8 0 | 20 0 | 20 0 | 20 0 | 1 12 0 | 1 12 0 | 2 0 0 | 11 |
| ... | ... | ... | ... | ... | ... | 10 0 | 11 0 | 8 0 | ... | ... | ... | 5 8 | 9 8 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 0 0 | 12 |
| ... | ... | ... | 14 0 | 14 4 | ... | 13 12 | 13 0 | 9 8 | New 19 0 | 13 0 | 12 0 | 11 8 | 11 8 | 8 8 | 19 8 | 19 8 | 19 0 | ... | Panga. 2 0 0 | 2 0 0 | 13 |
| 15 2 | 15 10 | 12 8 | 13 5 | New 15 6 Old 13 5 | 10 8 | 13 3 | 13 1 | 9 0 | 15 2 | 13 13 | 11 0 | 10 7 | 9 12 | 7 8 | 21 12 | 21 10 | 20 0 | 1 9 6 | 1 9 6 | 2 0 0 | 14 |
| ... | ... | ... | ... | ... | ... | 15 0 | 14 0 | 9 0 | ... | ... | ... | 11 0 | 11 0 | 7 8 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| 17 0 | 16 0 | 14 0 | 10 0 | ... | ... | 14 0 | 14 0 | 9 8 | New 21 0 | 15 0 | 13 0 | 12 0 | 12 4 | 9 0 | 22 0 | 22 0 | 20 0 | 1 12 0 | 1 12 0 | 1 15 0 | 16 |
| 21 0 | 20 0 | 12 0 | ... | ... | ... | 15 0 | 14 0 | 9 8 | 19 8 | 15 8 | 10 8 | 10 8 | 10 0 | 7 8 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 15 0 | 16 0 | 11 0 | ... | ... | ... | 13 0 | 13 0 | 9 0 | New 19 0 | 13 8 | 11 0 | 10 0 | 10 0 | 7 0 | 20 0 | 20 0 | 19 0 | 2 0 0 | 2 0 0 | 2 0 0 | 18 |
| 24 8 | 14 4 | 9 14 | ... | ... | ... | 12 1 | 12 1 | 8 12 | New 19 12 | 13 3 | 11 0 | 8 12 | 8 12 | 7 11 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 |

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoides*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr ... | 11 0 | 10 8 | 8 8 | 14 0 | 16 12 | 10 8 | 10 4 | 9 11 | 6 8 | 11 0 | 10 4 | 6 12 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 9 7 | 9 2 | 8 4 | 13 14 | 12 8 | 11 7 | 8 0 | 7 15 | 6 15 | 9 8 | 9 1 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 8 | 8 8 | 8 0 | ... | ... | ... | 9 11 | 9 11 | 6 11 | (a) 11 0 | 11 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 23 | Darjeeling... | 6 0 | 6 0 | 5 8 | 8 0 | 8 0 | 6 8 | 6 0 | 6 0 | 6 0 | 8 0 | 8 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 24 | South Parganas. | 8 8 | 8 0 | 7 0 | 12 0 | 12 0 | 8 0 | 9 8 | 9 8 | 8 0 | 11 4 | 11 0 | 8 4 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 11 13 | 11 13 | 6 13 | 11 13 | 11 13 | 6 14 | ... | ... | ... | ... | ... | ... |
| | 26 | Balasore ... | 7 8 | 7 0 | 7 2 | ... | ... | ... | 11 8 | 11 0 | 6 8 | 13 6 | 12 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | ... | ... | 5 0 | ... | ... | ... | 16 12 | 15 12 | 6 0 | 21 0 | 16 12 | 6 0 | ... | ... | ... | ... | ... | ... |
| | 28 | Puri ... | 7 14 | 8 8 | 7 3 | ... | ... | ... | 10 8 | 9 3 | 6 3 | 11 13 | 10 8 | 7 14 | ... | ... | ... | ... | ... | ... |
| | 29 | Sambalpur... | 9 0 | 9 0 | 7 12 | ... | ... | ... | 12 0 | 12 6 | 9 8 | 13 0 | 14 0 | 10 0 | ... | ... | ... | ... | ... | ... |
| CHOTA NAGPUR. | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 9 0 | 8 4 | 7 0 | 12 0 | 12 0 | 8 8 | 10 0 | 9 8 | 6 8 | 10 8 | 10 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 31 | Ranchi ... | 8 4 | 8 6 | 6 12 to 7 0 | 10 8 | 12 0 | 8 0 | 10 0 | 9 12 | 6 12 | 12 8 | 11 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 9 | 9 9 | 6 12 | 13 8 | ... | 11 4 | 7 14 | 7 14 | 7 5 | 8 7 | 9 13 | 8 7 | ... | ... | ... | ... | ... | ... |
| | 33 | Manbhum .. | 8 2 | [illegible] | 7 8 | 10 0 | 10 0 | 11 0 | 9 8 | 10 0 | 6 8 | 11 0 | 11 0 | 8 0 | ... | ... | ... | 12 0 | 11 0 | ... |
| | 34 | Singhbhum | 8 0 | 8 0 | 7 0 | ... | ... | ... | 8 0 | 8 0 | 6 0 | 10 0 | 10 0 | 7 0 | ... | ... | ... | ... | ... | ... |

(a) New *aus* rice.

CALCUTTA,
*The 28th September 1909.*

*Station Bazars of the districts of Bengal on the 15th September 1909*—concld.

| SEERS OF EIGHTY TOLAHS | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHOLA, KADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| — | ... | . | — | .. | ... | 14 11 | 14 2 | 9 8 | 18 14 | 15 4 | 11 0 | 10 0 | 9 7 | 8 0 | 21 0 | 21 0 | 20 0 | 1 14 0 | Panga. 1 14 0 | 12 0 0 | | | | 20 |
| ... | ... | . | | .. | ... | 13 14 | 13 2 | 8 14 | 20 4 | 15 4 | 11 7 | 9 10 | 8 14 | 7 4 | 21 0 | 22 0 | 20 0 | 1 13 0 | Panga. 1 13 0 | 1 14 6 | | | | 21 |
| ... | ... | ... | ... | ... | ... | 12 8 | 9 0 | 8 0 | 20 0 | 16 0 | 11 0 | 8 0 | 7 8 | 7 0 | 16 0 | 17 0 | 16 0 | 2 8 0 | Panga. 2 4 3 | 2 8 0 | | | | 22 |
| 11 4 | 11 4 | 11 8 | | ... | ... | 9 0 | 9 0 | 7 0 | 16 0 | 13 0 | 14 0 | 5 8 | 5 8 | 5 4 | 14 0 | 14 0 | 13 8 | 2 12 0 | 2 12 0 | 2 14 0 | | | | 23 |
| ... | ... | .. | . | ... | .. | 11 4 | 11 0 | 8 8 | New. 36 0 | 14 0 | 16 0 | 9 0 | 9 0 | 6 0 | 16 0 | 16 0 | 16 0 | 2 8 0 | Karkatch. 2 8 0 | 2 8 0 | | | | 24 |
| ... | ... | ... | ... | ... | . | Biri or kalai. 11 13 | 9 8 | 8 | ... | ... | ... | 11 13 | 10 8 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 7 0 | 1 13 0 | | | | 25 |
| ... | ... | ... | | ... | . | Chhola. 11 8 / Biri. 10 8 | 11 8 / 10 8 | 7 12 / 9 2 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 21 0 | 22 8 | 20 0 | 1 14 0 | Panga. 1 12 0 | 1 13 6 | | | | 26 |
| ... | ... | ... | .. | . | .. | 9 7 | 9 7 | 6 0 | ... | ... | ... | 11 0 | 11 0 | 6 8 | 16 12 | 16 12 | 12 8 | 2 0 0 | Karkatch. 2 0 0 | 2 14 0 | | | | 27 |
| ... | ... | | .. | ... | ... | 10 13 | 10 8 | 8 13 | ... | .. | ... | 7 14 | 8 8 | 6 3 | 26 0 | 26 0 | 25 0 | 1 8 0 | 1 8 0 | 1 9 0 | | | | 28 |
| ... | ... | .. | ... | ... | ... | 11 8 | 11 8 | 7 12 | ... | ... | ... | 7 0 | 7 0 | 5 12 | ... | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 8 0 | 2 4 0 | | | | 29 |
| 22 0 | 20 0 | 11 8 | ... | ... | ... | 12 0 | 11 0 | 8 0 | 14 0 | 13 0 | 9 8 | 8 0 | 0 | 6 0 | 18 0 | 18 0 | 16 0 | 2 4 0 | Panga. 12 4 0 | 2 8 0 | | | | 30 |
| 23 0 | 35 0 | 10 0 | ... | ... | ... | 11 8 | 10 4 | 8 0 | 20 0 | 12 0 | 9 0 | 6 12 | 6 4 | 5 0 to 7 0 | 17 0 | 17 0 | 17 0 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | | | | 31 |
| ... | ... | ... | ... | ... | ... | 12 6 | 11 13 | 8 2 | ... | ... | 11 8 | 10 2 | 9 0 | 6 12 | 19 2 | 18 9 | 20 4 | ... | ... | ... | | | | 32 |
| ... | ... | ... | .. | .. | ... | 11 0 | 11 0 | 8 0 | 22 0 | ... | 10 0 | 8 8 | 8 0 | 7 0 | 18 0 | 18 0 | 16 0 | 1 13 0 | Panga. 2 0 0 | 2 4 0 | | | | 33 |
| ... | ... | ... | — | .. | — | 10 0 | 10 0 | 7 8 | ... | ... | ... | 8 0 | 8 0 | 6 0 | 16 0 | 16 0 | 16 0 | 1 15 0 | Panga. 2 0 0 | 2 2 6 | | | | 34 |

Published for general information.

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal on tour.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 8 0 | 6 12 0 | 7 2 0 | 4 12 0 | 5 0 0 | 6 2 0 | 3 8 0 | 3 10 0 | 4 12 0 | 4 12 0 | 4 10 0 | 5 2 0 |
| 2 | Burdwan .. | 5 8 0 | 5 8 0 | 6 10 0 | 4 6 0 | 4 10 0 | 5 15 0 | 4 4 0 | 4 8 0 | 5 5 3 | ... | ... | ... |
| 3 | Midnapore ... | 4 14 0 | 4 11 0 | 7 0 0 | 3 12 0 | 3 14 0 | 5 14 0 | 3 5 0 | 3 6 0 | 4 8 0 | ... | ... | ... |
| 4 | Patna .. | 6 8 0 | 6 8 0 | 9 0 0 | 4 2 0 | 4 4 0 | 5 10 0 | 3 12 0 | 3 15 0 | 4 10 0 | 3 13 0 | 3 13 6 | 4 8 0 |
| 5 | Muzaffarpur | 10 0 0 | 10 0 0 | 10 0 0 | 6 10 6 | 6 10 6 | 6 10 6 | 4 3 6 | 4 7 0 | 5 0 0 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur .. | 6 2 0 | 6 3 0 | 7 0 0 | 5 2 6 | 5 4 0 | 5 15 0 | 4 3 [illegible] | 4 6 0 | 4 14 0 | 4 4 0 | 4 6 0 | 4 13 0 |
| 7 | Cuttack | 6 1 6 | 6 1 6 | 7 3 0 | 3 6 2 | 3 6 2 | 5 13 4 | 3 6 2 | 3 6 2 | 5 12 9 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur .. | 5 0 0 | 5 6 0 | 5 12 0 | 3 0 0 | 3 0 0 | 3 14 0 | 2 13 6 | 2 10 6 | 3 12 0 | ... | 4 5 3 | 5 0 0 |
| 9 | Ranchi ... | 5 0 0 | 5 8 0 | 8 0 0 | 4 0 0 | 4 0 0 | 5 12 0 | 3 5 0 | 3 6 0 | 4 11 0 | 4 13 0 | 4 9 0 | 5 12 0 to 6 0 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cajan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 3 0 0 | 4 8 0 | 4 6 0 | 4 8 0 | 5 8 0 | 5 8 0 | 5 8 0 | 5 8 0 | 4 12 0 | 4 8 0 | 6 12 0 |
| 2 | Burdwan ... | ... | [illegible] | ... | 4 8 0 | 4 8 0 | 6 0 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 6 14 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 4 0 to 6 8 0 | 5 4 0 | 5 4 0 | 5 4 0 | Black mustard. 5 12 0<br>Rapeseed. 5 4 0 | 5 12 0<br>5 4 0 | 7 12 0<br>7 8 0 |
| 4 | Patna ... | 2 1 0 | 2 5 0 | 3 4 0 | 3 6 0 | 3 6 0 | 4 10 0 | 5 14 0 | 5 12 0 | 5 12 0 | 4 12 0 | 5 2 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 2 1 6 | 2 15 3 | 3 10 0 | 4 0 0 | 4 0 0 | 5 11 6 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 1 15 0 | 2 9 0 | 3 8 0 | 4 2 0 | 4 8 0 | 5 3 3 | 5 12 0 | 5 10 0 | 5 11 0 | Rapeseed. 4 1 0<br>Mustard. 4 8 0 | 4 3 0<br>4 10 0 | 6 8 0<br>6 3 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 6 2 | 3 12 11 | 3 12 11 | ... | ... | ... | 7 0 9 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 0 0 | 5 0 0 | 6 10 0 | ... | ... | ... | ... | — | 7 8 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 12 0 | 6 0 0 | 5 12 0 to 8 0 0 | 5 0 0 | 5 4 0 | 10 0 0 | 5 0 0 to 5 8 0 | 4 12 0 to 5 6 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th September 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoidum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 3 0 0 | 2 12 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | — | — | 3 8 0 | 3 8 0 | 4 12 0 | 1 |
| — | ... | — | ... | ... | — | ... | — | ... | ... | ... | ... | 3 7 0 | 3 4 0 | 4 10 0 | 2 |
| ... | .. | . | — | ... | — | ... | ... | ... | — | ... | ... | — | ... | 5 0 0 to 5 8 0 | 3 |
| 2 1 0 | 2 4 0 | 2 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 13 6 | 3 1 0 | 4 2 0 | 4 |
| 2 10 6 | 2 8 0 | 3 5 3 | — | ... | — | ... | — | ... | 2 10 6 | 2 8 0 | 3 10 0 | 3 1 3 | 3 1 3 | 4 7 0 | 5 |
| 2 14 0 | 3 2 0 | 3 8 0 | ... | . | ... | ... | ... | ... | — | ... | ... | 2 14 0 | 3 0 9 | 4 8 0 | 6 |
| — | — | ... | ... | ... | — | ... | ... | ... | ... | ... | ... | 3 6 2 | 4 3 9 | 4 3 4 | 7 |
| ... | — | ... | — | — | .. | ... | — | — | ... | ... | ... | 3 5 6 | 3 5 6 | 5 0 0 | 8 |
| 3 12 0 | 3 6 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 10 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 4 12 0 | 4 8 0 | 6 8 0 | 6 12 0 | 6 8 0 | 5 12 0 | 22 0 0 | 22 0 0 | 18 0 0 | 6 0 0 | 5 2 0 | 6 8 0 | 1 |
| .. | ... | ... | 8 8 0 | 8 0 0 | 6 8 0 | ... | ... | ... | — | ... | ... | 2 |
| ... | ... | ... | 8 4 0 | 8 4 0 | 7 0 0 | 24 0 0 | 22 0 0 to 24 0 0 | 20 0 0 to 24 0 0 | — | — | — | 3 |
| 5 0 0 | 5 4 0 | 7 0 0 | 6 0 0 | 6 0 0 | 5 0 0 to 6 8 0 | 20 0 8 | 20 0 0 | 18 8 0 | ... | ... | ... | 4 |
| — | ... | ... | 5 12 6 | 5 11 6 | 5 11 6 | — | ... | ... | ... | ... | ... | 5 |
| ... | — | ... | 6 4 0 | 6 3 0 | 4 8 0 | 22 0 0 | 22 0 0 | 20 0 0 | ... | — | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 0 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | — | 7 |
| 4 8 0 | 4 12 0 | 6 0 0 | 6 10 0 | 6 8 0 | 6 10 0 | ... | ... | ... | ... | ... | .. | 8 |
| ... | ... | ... | 6 12 0 | 6 0 0 | 7 0 0 | 24 12 0 | 23 0 0 | 23 0 0 | ... | — | ... | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 42 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 335 0 0 | Per 100 pieces. 385 0 0 | 390 0 0 |
| 2 | Burdwan .. | 40 0 0 | 38 0 0 | 40 0 0 | ... | ... | ... | ... | ... | ... |
| 3 | Midnapore ... | 41 8 0 | 43 0 0 | 39 0 0 to 40 0 0 | 14 0 0 | Madhukhali 14 0 0 | 10 8 0 | Unclean per piece. 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 | 2 12 0 to 3 8 0 |
| | | | | | 15 8 0 | Palta. 15 8 0 | 13 8 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| 4 | Patna ... | 32 0 0 | 35 0 0 to 36 0 0 | 34 0 0 to 36 0 0 | 3 0 0 to 6 0 0 | 5 0 0 to 6 0 0 | 2 8 0 to 5 0 0 | ... | ... | |
| 5 | Muzaffarpur ... | 40 0 0 | 40 0 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | . | — | — |
| 6 | Bhagalpur ... | 40 0 0 | 40 0 0 | 43 0 0 | 14 4 0 | 13 0 0 | 10 0 0 | .. | | ... |
| 7 | Cuttack ... | 45 11 6 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 8 0 | 37 8 0 | 37 8 0 | 20 0 0 | 20 0 0 | 16 0 0 | 42 0 0 | Per maund. 42 0 0 | 30 0 0 |
| 9 | Ranchi .. | 35 0 0 | 36 0 0 | 35 8 0 to 37 12 0 | 13 0 0 | 11 0 0 | 10 0 0 to 16 0 0 | Per lb. 0 8 0 | 0 8 0 to 0 9 0 | Per piece. 3 0 0 to 4 0 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 1 12 0 | 1 14 0 | 2 6 0 |
| 2 | Burdwan ... | — | | ... | 0 10 0 | 0 11 0 | 0 8 6 | 1 10 6 | 1 10 0 | 1 10 6 | ... | ... | ... |
| 3 | Midnapore ... | 4 0 0 to 4 4 0 | 4 0 0 to 4 4 0 | 2 8 0 to 4 0 0 | 0 6 0 | 0 6 0 | 0 4 0 | 1 12 0 | Crushed. 1 12 0 | 1 12 0 | ... | ... | ... |
| 4 | Patna ... | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 8 0 | 0 7 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 6 0 | 1 6 0 | 1 2 0 |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 10 0 0 | 0 4 6 | 0 5 3 | 0 8 9 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur ... | 4 8 0 | 4 2 0 | 5 0 0 | 0 5 6 | 0 5 3 | 0 6 6 | 1 13 0 | Panga. 1 13 0 | 1 14 6 | 0 10 0 | 0 10 0 | 0 8 0 |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur .. | ... | ... | ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 4 14 0 | 5 0 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 5 3 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | 2 0 0 | 2 4 0 | 3 2 0 |

CALCUTTA,
*The 28th September 1909.*

*the undermentioned Marts of Bengal on the 15th September 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 1 0 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 10 6 | 0 10 0 | 0 8 0 | — | ... | — | Burdwan ... | 2 |
| ... | — | ... | 0 7 0 | 0 8 0 | ... | — | ... | ... | Midnapore ... | 3 |
| ... | ... | ... | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | ... | .. | ... | ... | ... | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | . | .. | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | ... | — | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 4 6 | 0 7 0 | 0 6 0 | 0 10 0 | 0 12 0 | 1 10 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. (Prices per tin.) | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| 2 0 0 | 2 2 0 | 2 4 0 | 4 0 0 | 3 12 0 | 4 8 0 | 1 8 0 | Elephant brand. 1 8 0 | | Calcutta ... | 1 |
| 3 0 0 | 3 8 0 | 3 2 0 | ... | ... | ... | 1 8 6 | Elephant brand. 1 10 3 | ... | Burdwan ... | 2 |
| ... | ... | 0 13 0 | ... | ... | 5 4 0 | 1 7 0 | Cobra brand. 1 8 0 | ... | Midnapore ... | 3 |
| 2 4 0 | 2 4 0 | 1 12 0 | ... | ... | ... | 1 6 0 | Victoria brand. 1 9 0 | ... | Patna ... | 4 |
| 2 8 0 | 2 8 0 | 2 8 0 | 3 10 0 | 3 5 3 | 4 0 0 | 1 12 0 | Victoria brand. 1 12 0 | 1 12 0 | Muzaffarpur ... | 5 |
| 1 12 0 | 1 8 0 | 2 0 0 | 3 3 0 | 3 0 0 | 4 0 0 | 1 6 6 to 3 4 0 | 1 6 6 to 3 4 0 | (Swan brand). (Snowflake). | Bhagalpur ... | 6 |
| ... | ... | 0 10 0 | 5 1 4 | 5 1 4 | 5 1 4 | 1 8 6 | Victoria brand. 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | 1 10 6 | Victoria brand. 1 10 6 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | 3 2 0 | 3 12 0 | 4 0 0 | 5 0 0 | 1 9 0 | Cobra brand. 1 11 6 | ... | Ranchi ... | 9 |

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal on tour.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 25th September 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 25th September 1909. | | | Week ending Saturday, the 26th September 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 472 | 51,046 | 821 | 781 | 106,180 | 1,288 |
| Jute ... ... | 171 | 63,314* | 844 | 124 | 41,670† | 615 |
| Firewood ... ... | 35 | 17,625 | 281 | 101 | 68,010 | 1,024 |
| Other articles ... ... | 516 | 140,374 | 1,535 | 760 | 200,861 | 2,022 |
| Total ... | 1,194 | 272,359 | 3,481 | 1,716 | 416,721 | 4,949 |

* Weight by canal measurement, 72,012½ maunds.
† Ditto ditto, 54,800 ,,

CALCUTTA,
*The 28th September 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th September 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. | | | | Hygrometry. | | | | Wind. | | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Mean. | Maximum. | Range. | Minimum. | Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Prevailing direction. | Miles recorded. | | |
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches | |
| Sept. | 19th | 149·2 | 3·8 | 29·486 | 85·4 | 92·3 | 13·2 | 79·1 | 80·5 | 0·980 | 78·6 | 80 | WSW, NNW and NW by W. | 100 | Nil | Partially, cloudy. |
| " | 20th | 77·6 | cloudy | ·472 | 77·4 | 79·9 | 4·4 | 75·5 | 76·6 | ·911 | 76·4 | 97 | NW by W, E by N and N by W. | 132 | 1·43 | Cloudy, o, d, g, t, p, ⊲, K. |
| " | 21st | 124·4 | 0·4 | ·520 | 79·9 | 83·2 | 6·1 | 77·1 | 77·6 | ·931 | 77·1 | 93 | ENE, E, and SE by E. | 215 | 2·50 | Chiefly cloudy, o, d, p, q. |
| " | 22nd | 145·9 | 3·7 | ·658 | 83·0 | 88·7 | 10·8 | 77·9 | 78·1 | ·922 | 76·8 | 86 | SE by E and SE by S. | 97 | 0·19 | Partially cloudy, o, d. |
| " | 23rd | 148·0 | 5·7 | ·751 | 83·7 | 89·7 | 11·5 | 78·2 | 78·4 | ·942 | 77·4 | 89 | SE by S and SE | 77 | 0·08 | Partially cloudy. o, d, p, t, ⊲. |
| " | 24th | 148·0 | 6·8 | ·760 | 83·2 | 89·7 | 12·4 | 77·3 | 78·9 | ·924 | 76·9 | 81 | SE by S and WSW | 62 | 0·13 | Partially cloudy. |
| " | 25th | 145·0 | 7·5 | ·723 | 83·7 | 89·7 | 11·5 | 78·2 | 79·2 | ·947 | 77·6 | 83 | WSW and SSW... | 105 | Nil | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·624 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·700 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 27·9 |
| The maximum possible number of hours of sunshine ... ... ... | 84·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·0 |
| The extreme variation of temperature ... ... ... ... | 16·8 |
| The maximum temperature ... ... ... ... ... | 92·3 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 16 |
| | % |
| The mean relative humidity ... ... ... ... ... | 87 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| | Inches. |
| The total fall of rain from 19th to 25th September 1909 ... ... | 4·33 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·48 |
| The total fall from 1st January to 25th September 1909 ... ... | 67·56 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 57·55 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; g, dark gloomy; p, passing temporary showers; t, thunder; ⊲ lightning; q, squally; K thunder storm.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 27th September 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 25th September 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 25th September 1909. | | | Week ending Saturday, the 26th September 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | No. | Mds. | Rs. | No. | Mds. | Rs. |
| Rice and paddy ... ... | 472 | 51,046 | 821 | 731 | 106,180 | 1,288 |
| Jute ... ... | 171 | 63,314* | 844 | 124 | 41,670† | 615 |
| Firewood ... ... | 35 | 17,625 | 281 | 101 | 68,010 | 1,024 |
| Other articles ... ... | 516 | 140,374 | 1,535 | 760 | 200,861 | 2,022 |
| Total ... | 1,194 | 272,359 | 3,481 | 1,716 | 416,721 | 4,949 |

* Weight by canal measurement, 72,012½ maunds.
† Ditto ditto, 54,800 ,,

CALCUTTA,
*The 28th September 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th September 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches | |
| Sept. | 19th | 149·2 | 3·8 | 29·486 | 85·4 | 92·3 | 13·2 | 79·1 | 80·5 | 0·980 | 78·6 | 80 | WSW, NNW and NW by W. | 100 | Nil | Partially, cloudy. |
| ,, | 20th | 77·6 | cloudy | ·472 | 77·4 | 79·9 | 4·4 | 75·5 | 76·6 | ·911 | 76·4 | 97 | NW by W, E by N and N by W. | 132 | 1·43 | Cloudy, o, d, g, t, p, ⊲, K. |
| ,, | 21st | 124·4 | 0·4 | ·520 | 79·9 | 83·2 | 6·1 | 77·1 | 77·6 | ·931 | 77·1 | 93 | ENE, E, and SE by E. | 215 | 2·50 | Chiefly cloudy, o, d, p, q. |
| ,, | 22nd | 146·9 | 3·7 | ·658 | 83·0 | 88·7 | 10·8 | 77·9 | 78·1 | ·922 | 76·8 | 86 | SE by E and SE by S. | 97 | 0·19 | Partially cloudy, o, d. |
| ,, | 23rd | 148·0 | 5·7 | ·751 | 83·7 | 89·7 | 11·5 | 78·2 | 78·4 | ·942 | 77·4 | 89 | SE by S and SE | 77 | 0·08 | Partially cloudy. o, d, p, t, ⊲. |
| ,, | 24th | 148·0 | 6·8 | ·760 | 83·2 | 89·7 | 12·4 | 77·3 | 78·9 | ·924 | 76·9 | 81 | SE by S and WSW | 62 | 0·13 | Partially cloudy. |
| ,, | 25th | 145·0 | 7·5 | ·723 | 83·7 | 89·7 | 11·5 | 78·2 | 79·2 | ·947 | 77·6 | 83 | WSW and SSW... | 105 | Nil | Partially cloudy. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·624 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·700 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 27·9 |
| The maximum possible number of hours of sunshine ... ... ... | 84·7 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 82·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·0 |
| The extreme variation of temperature ... ... ... ... | 16·8 |
| The maximum temperature ... ... ... ... ... | 92·3 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 16 |
| | % |
| The mean relative humidity ... ... ... ... ... | 87 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 86 |
| | Inches. |
| The total fall of rain from 19th to 25th September 1909 ... ... | 4·33 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 2·48 |
| The total fall from 1st January to 25th September 1909 ... ... | 67·56 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 57·55 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain; g, dark gloomy; p, passing temporary showers; t, thunder; ⊲ lightning; q, squally; K thunder storm.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 27th September 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 11th September 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (a) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 468,257 | 3,89,630 0 0 | 57,18,019 0 | 8,66,172 0 0 | 48,000 0 0 | 13,04,002 0 0 | 158,953 | 165,099 | 324,052 |
| Or per mile of railway ... ... | ... | 170 0 7 | ... | 377 12 10 | 20 15 0 | 568 12 5 | ... | ... | ... |
| For previous 9¾ weeks of half-year | 4,702,054 | 39,63,190 0 0 | 5,24,15,420 0 | 80,10,148 0 0 | 4,42,514 0 0 | 1,24,15,852 0 0 | 1,503,463 | 1,569,017 | 3,072,480 |
| Total for 10¾ weeks ... | 5,170,311 | 43,53,020 0 0 | 5,81,33,439 0 | 88,76,320 0 0 | 4,90,514 0 0 | 1,37,19,854 0 0 | 1,662,416 | 1,734,116 | 3,396,532 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 530,581 | 4,34,068 12 11 | 69,17,421 30 | 9,99,003 8 2 | 39,054 6 10 | 14,62,126 11 11 | 164,768 | 210,871 | 375,639 |
| Per mile of railway corresponding week of previous year ... .. | ... | 184 15 10 | ... | 435 12 9 | 17 0 7 | 637 [illegible] 2 | .. | ... | ... |
| Total for corresponding 10¾ weeks of previous year ... ... ... | 5,380,925 | 44,53,576 6 7 | 7,06,20,637 0 | 1,10,97,024 9 8 | 4,42,162 8 3 | 1,59,92,763 8 6 | 1,634,639 | 2,315,354 | 4,009,993 |

(a) The decrease is chiefly in coal.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.* 1909.

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,968 | 6,33,303 | 88,76,828 | 14,22,529 | 67,395 | 21,23,227 | 926 | 499,778 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 502,718 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,368 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, .. | 473,208 | 3,95,111 | 55,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,669 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| 2,292·37 | ,, ,, 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,496 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,264 | 47,157 | 12,27,302 | 535 | 318,498 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | 463,001 | 3,86,319 | 60,37,455 | 8,79,913 | 47,157 | 13,13,389 | 573 | 330,509 | 3 15 7 |
| 2,292·65 | ,, ,, 4th Sept. ... | 457,154 | 3,86,277 | 51,74,634 | 7,59,683 | 48,000 | 11,93,965 | 520 | 316,835 | 3 12 3 |
| 2,292·65 | ,, ,, 11th ,, ... | 468,257 | 3,89,630 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| | Totals up to date ... | 5,170,311 | 43,53,020 | 5,81,33,439 | 88,76,320 | 4,90,514 | 1,37,19,854 | 574 | 3,396,532 | 4 0 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,625 | 1,08,88,320 | 16,67,408 | 55,759 | 24,27,792 | 1,059 | 597,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, ... | 519,876 | 4,37,456 | 68,40,536 | 10,09,384 | 42,342 | 14,89,182 | 650 | 385,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 508,317 | 4,55,341 | 76,08,996 | 10,44,843 | 45,468 | 15,45,652 | 674 | 377,627 | 4 1 6 |
| 2,292·38 | ,, ,, 1st Aug. ... | 497,536 | 4,18,416 | 69,17,570 | 10,92,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | ,, ,, 8th ,, ... | 507,181 | 4,05,391 | 67,89,405 | 10,53,817 | 45,693 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,92,335 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 463,462 | 3,89,030 | 84,46,451 | 10,49,897 | 41,727 | 14,80,654 | 646 | 374,643 | 3 15 3 |
| 2,292·38 | ,, ,, 29th ,, ... | 444,837 | 3,61,500 | 75,35,936 | 10,80,206 | 45,859 | 14,97,565 | 649 | 382,512 | 3 14 3 |
| 2,292·38 | ,, ,, 5th Sept. ... | [illegible] | 3,84,177 | 77,38,151 | 11,07,784 | 42,367 | 15,34,328 | 669 | 380,529 | 4 0 6 |
| 2,292·38 | ,, ,, 12th ,, ... | [illegible] | 4,24,069 | 63,17,422 | 9,99,004 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| | Totals up to date ... | 383,935 | 44,53,576 | 7,06,20,637 | 1,10,97,025 | 4,42,162 | 1,59,92,763 | 660 | 4,009,993 | 3 15 10 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 11th September 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 22,819 | 4,838 0 0 | 30,665 0 | 701 6 6 | 14 0 0 | 5,613 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 217 13 3 | ..... | 34 4 3 | 0 10 1 | 252 11 7 | ..... | ..... | ..... |
| For previous 9¾ weeks of half-year | 193,129 | 44,105 0 0 | 1,07,803 0 | 3,887 0 0 | 116 0 0 | 48,108 0 0 | 12,652 | 1,472 | 14,124 |
| Total for 10¾ weeks ... | 215,948 | 48,943 0 0 | 1,31,468 0 | 4,648 0 0 | 130 0 0 | 53,721 0 0 | 13,989 | 1,631 | 15,620 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 21,717 | 4,615 10 10 | 41,749 30 | 47[illegible]0 0 | 7 14 3 | 5,101 3 1 | 1,397 | 125 | 1,522 |
| Per mile of railway corresponding week of previous year. | ..... | 207 13 2 | ..... | 21 8 1 | 0 5 8 | 229 10 11 | ..... | ..... | ..... |
| Total for corresponding 10¾ weeks of previous year. | 241,749 | 56,107 4 4 | 2,79,253 20 | 4,350 5 0 | 76 2 9 | 60,593 12 1 | 14,408 | 1,848 | 16,251 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 26,504 | 5,165 | 11,793 | 490 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " .. | 19,924 | 4,356 | 12,072 | 476 | 13 | 4,8[illegible] | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 3,961 | 13,809 | 419 | 13 | [illegible] | 198 | 1,540 | 2 13 8 |
| 22·21 | " " 7th Aug. ... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| 22·21 | " " 14th " ... | 18,326 | 4,077 | 8,344 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| 22·21 | " " 21st " ... | 17,975 | 3,652 | 12,780 | 541 | [illegible] | 4,2[illegible]6 | 189 | 1,496 | 2 13 0 |
| 22·21 | " " 28th " ... | 17,599 | 3,348 | 8,694 | 357 | 13 | 3,718 | 167 | 1,496 | 2 7 9 |
| 22·21 | " " 4th Sept. ... | 16,886 | 5,270 | 6,613 | 231 | 14 | 5,515 | 248 | 1,496 | 3 11 0 |
| 22·21 | " " 11th " ... | 22,819 | 4,838 | 30,665 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| | Totals up to date ... | 215,948 | 48,943 | 1,31,468 | 4,648 | 130 | 53,721 | 232 | 15,620 | 3 7 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 49,655 | 11,691 | 27,438 | 592 | 12 | 12,295 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 38,764 | 798 | 9 | 7,911 | 356 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 21,777 | 4,528 | 20,625 | 396 | 7 | 4,931 | 222 | 1,496 | 3 4 9 |
| 22·21 | " " 1st Aug. ... | 19,748 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,788 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | " " 15th " ... | 23,856 | 5,600 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | " " 22nd " ... | 16,105 | 3,729 | 6,289 | 269 | 9 | 4,007 | 180 | 1,404 | 2 10 11 |
| 22·21 | " " 29th " ... | 17,754 | 3,824 | 9,790 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | " " 5th Sept. ... | 18,609 | 4,855 | 46,891 | 552 | 5 | 5,412 | 244 | 1,678 | 3 3 7 |
| 22·21 | " " 12th " ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,523 | 3 5 8 |
| | Totals up to date ... | 2,41,749 | 56,167 | 2,79,254 | 4,350 | 77 | 60,594 | 258 | 16,251 | 3 11 8 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 11th September 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 32,553 | 28,813 0 0 | 1,69,808 0 | 12,630 0 0 | 119 0 0 | 41,568 0 0 | 10,145 | 3,023 | 13,168 |
| Or per mile of railway ... ... | ... | 177 7 5 | ... | 77 13 3 | 0 11 9 | 256 0 5 | ... | ... | ... |
| For previous 9½ weeks of half-year. | 270,259 | 2,16,878 0 0 | 13,11,675 0 | 1,00,645 0 0 | 1,143 0 0 | 3,18,666 0 0 | 92,303 | 28,590 | 121,393 |
| Total for 10½ weeks ... | 302,812 | 2,45,691 0 0 | 14,81,483 0 | 1,13,281 0 0 | 1,262 0 0 | 3,60,234 0 0 | 102,948 | 31,613 | 134,561 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 22,701 | 19,221 5 9 | 1,94,726 30 | 14,928 8 [illegible] | 29 2 9 | 34,179 0 10 | 11,707 | 4,211 | 15,918 |
| Per mile of railway corresponding week of previous year ... | ... | 118 6 2 | ... | 91 15 2 | 0 [illegible]2 11 | 210 8 3 | ... | ... | ... |
| Total for corresponding 10½ weeks of previous year .. | 302,678 | 2,20,705 10 10 | 21,35,872 0 | 1,51,864 2 11 | 405 6 6 | 3,72,975 4 3 | 123,769 | 46,150 | 169,919 |

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | T[illegible] | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,127 | 33,656 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,392 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 26,637 | 25,294 | 1,21,557 | 9,449 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | " " 24th " ... | 28,008 | 22,701 | 1,21,256 | 9,973 | 114 | 32,788 | 202 | 13,038 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | 21,989 | 1,26,441 | 9,290 | 114 | 31,393 | 193 | 12,862 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | " " 14th " ... | 30,223 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,298 | 2 11 1 |
| 162·36 | " " 21st " ... | 28,763 | 22,010 | 1,71,350 | 13,297 | 114 | 35,421 | 218 | 13,279 | 2 10 8 |
| 162·36 | " " 28th " ... | 27,048 | 22,032 | 1,39,919 | 10,699 | 114 | 32,845 | 202 | 13,254 | 2 7 8 |
| 162·36 | " " 4th Sept. ... | 26,540 | 21,019 | 1,55,062 | 11,218 | 113 | 32,356 | 199 | 12,989 | 2 7 10 |
| 162·36 | " " 11th " ... | 32,553 | 28,813 | 1,69,808 | 12,630 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| | Totals up to date ... | 302,812 | 2,45,691 | 14,81,483 | 1,13,281 | 1,262 | 3,60,234 | 218 | 134,561 | 2 10 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,788 | 33,992 | 2,42,317 | 22,438 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,897 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | " " 25th " ... | 20,531 | 21,315 | 2,04,269 | 13,134 | 36 | 34,485 | 212 | 16,085 | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,139 | 20,102 | 2,28,869 | 15,659 | 27 | 35,788 | 220 | 16,249 | 2 3 3 |
| 162·36 | " " 8th " ... | 31,138 | 22,623 | 2,39,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 3 11 |
| 162·36 | " " 15th " ... | 31,051 | 22,403 | 1,73,774 | 13,198 | 32 | 35,632 | 220 | 16,581 | 2 4 6 |
| 162·36 | " " 22nd " ... | 25,944 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | " " 29th " ... | 26,645 | 18,840 | 2,47,267 | 15,761 | 38 | 34,6[illegible] | 214 | 16,218 | 2 2 3 |
| 162·36 | " " 5th Sept. ... | 27,370 | 21,833 | 1,56,939 | 12,405 | 58 | 34,095 | 210 | 16,118 | 2 1 10 |
| 162·36 | " " 12th " ... | 29,761 | 19,222 | 1,94,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| | Totals up to date ... | 302,678 | 2,20,706 | 21,85,872 | 1,51,364 | 405 | 3,72,975 | 217 | 169,919 | 2 3 1 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 11th September 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 56,500 | 37,500 0 0 | 395,500 0 | 72,000 0 0 | 6,000 0 0 | 1,15,500 0 0 | 13,655 | 23,152 | 36,807 |
| Or per mile of railway ... ... | 73·57 | 48·83 | 512·97 | 93·39 | 7·78 | 150·00 | 17·78 | 30·03 | 47·81 |
| For previous 10 weeks of half-year ... ... ... ... | 500,000 | 3,32,000 0 0 | 2,493,500 0 | 4,09,000 0 0 | 33,500 0 0 | 7,74,500 0 0 | 135,717 | 176,520 | 312,237 |
| Total for 11 weeks ... | 557,500 | 3,69,500 0 0 | 2,889,000 0 | 4,81,000 0 0 | 39,500 0 0 | 8,90,000 0 0 | 149,372 | 199,672 | 349,044 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 45,571 | 27,181 0 0 | 335,463 0 | 50,369 0 0 | 4,875 0 0 | 82,425 0 0 | 15,274 | 20,068 | 35,342 |
| Per mile of railway corresponding week of previous year ... | 59·34 | 35·39 | 435 10 | 65·33 | 6·32 | 107·04 | 19·89 | 26·03 | 45 92 |
| Total to corresponding date of previous year ... ... ... | 514,693 | 3,07,176 0 0 | 2,894,814 0 | 4,86,699 0 0 | 43,567 0 0 | 8,37,442 0 0 | 166,359 | 208,198 | 374,457 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 11th September 1909. | | | Receipts for week ending 12th September 1908. | | | Total receipts from 1st April 1909 to 11th September 1909. | | | Total receipts from 1st April 1908 to 12th September 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,15,500 | 150·00 | 771 | 82,425 | 107·04 | 771 | 20,33,965 | ... | 771 | 19,39,461 | ... | 94,504 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 11th September 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. (c) | Rs. | | (d) | |
| Total traffic for the week on 1,867 miles open ... ... ... | 320,590 | 1,09,410 | 719,240 | 81,710 | 14 830 | 2,05,950 | 53,267 | 29,556 | 87,823 |
| Or per mile of railway .. | 171·71 | 58·60 | 385 24 | 43·77 | 7·94 | 110·31 | ..... | ..... | ..... |
| For previous 9¾ weeks of half-year ... ... ... ... | 3,172,720 | 11,45,920 | 7,311,110 | 8,75,300 | 1,70,530 | 21,91,750 | 548,703 | 313,975 | 862,678 |
| Total for 10¾ weeks ... | 3,493,310 | 12,55,330 | 8,030,350 | 9,57,010 | 1,85,360 | 23,97,700 | 606,970 | 343,531 | 950,501 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... .. ... | 303,794 | 1,14,400 | 712,882 | 74,840 | 17,757 | 2,07,087 | 61,499 | (e) 34,136 | 95,635 |
| Per mile of corresponding week of previous year ... ... ... | 169·62 | 63·93 | 398·04 | 41·79 | 9·91 | 115·63 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 3,404,633 | 13,13,482 | 9,737,646 | 10,72,512 | 2,46,153 | 26,32,147 | 628,669 | 412,512 | 1,041,181 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 1·88 | | 2·70 | ·17 | 2·35 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1·86 | | 2·19 | ·19 | 2·17 | | | |

(a) Decrease in amount with increased passengers due to short lead traffic.
(b) Increase mainly under local.
(c) Decrease chiefly under steam-boat.
(d) Includes 6,724 miles of ballast trains.
(e) Ditto 8,238 ditto ditto.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 18th September 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 477,700 | 1,77,250 0 0 | 2,395,170 0 | 4,89,540 0 0 | 25,690 0 0 | (f)6,92,480 0 0 | 76,936 | (d)55,785 | 134,721 |
| Or per mile of railway ... ... | (a)355 | (a)132 0 0 | 1,600 0 | 327 0 0 | (c)1 0 0 | (c)446 0 0 | ... | ... | ... |
| For previous 10 weeks of half-year (e) ... ... ... ... | 4,611,026 | 17,21,911 0 0 | 20,813,871 0 | 31,78,304 0 0 | 3,08,032 0 0 | 52,09,247 0 0 | 799,812 | 582,205 | 1,382,017 |
| Total for 12 weeks ... | 5,088,726 | 18,99,161 0 0 | 23,209,041 0 | 36,67,844 0 0 | 3,33,722 0 0 | 59,00,727 0 0 | 876,478 | 637,990 | 1,516,738 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 466,535 | 1,72,066 0 0 | 2,059,671 0 | 3,89,574 0 0 | 22,630 0 0 | 5,84,270 0 0 | 74,732 | 50,159 | 124,891 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)380 | (b)140 0 0 | 1,617 0 | 306 0 0 | 2 0 0 | 443 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 5,254,693 | 19,88,597 0 0 | 23,050,191 0 | 33,39,789 0 0 | 2,88,571 0 0 | 56,16,957 0 0 | 860,087 | 592,422 | 1,452,509 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 24,500.
(d) Excluding ballast train-miles 9,586.
(e) Audited up to July 1909.
(f) Increase is chiefly due to jute traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 18th September 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 42,430 | 11,560 0 0 | 110,950 0 | 7,920 0 0 | 270 0 0 | 19,750 0 0 | 5,208 | (a)1,674 | 6,882 |
| Or per mile of railway ... | 493 | 135 0 0 | 1,290 0 | 92 0 0 | 3 0 0 | 2[illegible] 0 0 | ... | ... | ... |
| For previous 11 weeks of half-year (b) ... ... ... ... | 434,520 | 1,15,572 0 0 | 680,978 0 | 41,531 0 0 | 1,671 0 0 | 1,58,774 0 0 | 57,064 | 14,503 | 71,567 |
| Total for 12 weeks ... | 476,950 | 1,27,132 0 0 | 791,928 0 | 49,451 0 0 | 1,[illegible] 0 0 | 1,78,524 0 0 | 62,272 | 16,177 | 78,449 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 51,014 | 12,598 0 0 | 65,244 0 | 6,697 0 0 | 284 0 0 | 19,579 0 0 | 5,656 | 1,496 | 7,152 |
| Per mile of railway corresponding week of previous year ... | 593 | 147 0 0 | 759 0 | 78 0 0 | 3 0 0 | 228 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 548,366 | 1,45,290 0 0 | 869,896 0 | 59,280 0 0 | 2,708 0 0 | 2,07,27[illegible] | [illegible],518 | 18,705 | 84,223 |

(a) Excluding ballast train-miles, 100.
(b) Audited up to July 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 18th September 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,720 | 1,520 0 0 | 20,690 0 | 1,650 0 0 | 10 0 0 | 3,180 0 0 | 421 | (a)978 | 1,399 |
| Per mile of railway ... ... | 111 | 46 0 0 | 616 0 | 49 0 0 | ..... | 95 0 0 | ... | ... | ... |
| For previous 11 weeks of half-year (b) ... ... ... ... | 35,494 | 13,185 0 0 | 196,551 0 | 16,033 0 0 | 204 0 0 | 29,422 0 0 | 4,954 | 17,815 | 22,769 |
| Total for 12 weeks ... | 39,214 | 14,705 0 0 | 217,241 0 | 17,683 0 0 | 214 0 0 | 32,602 0 0 | 5,375 | 18,793 | 24,168 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 2,960 | 1,430 0 0 | 19,389 0 | 1,532 0 0 | 10 0 0 | 2,972 0 0 | 420 | 976 | 1,396 |
| Per mile of railway corresponding week of previous year ... | 88 | 42 0 0 | 577 0 | 46 0 0 | ..... | 88 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 41,734 | 16,346 0 0 | 267,138 0 | 22,782 0 0 | 130 0 0 | 39,260 0 0 | 5,110 | 19,177 | 24,287 |

(a) Excluding ballast train-miles 1,546
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 18th September 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including Ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 12,420 | 3,250 0 0 | 98,740 0 | 5,029 0 0 | 30 0 0 | 8,280 0 0 | 1,540 | (a) 924 | 2,464 |
| Or per mile of railway ... .. | 230 | 59 0 0 | 1,829 0 | 93 0 0 | 1 0 0 | 153 0 0 | ... | ... | - |
| For previous 11 weeks of half-year (b) ... ... ... ... | 122,935 | 35,964 0 0 | 432,804 0 | 26,214 0 0 | 255 0 0 | 62,453 0 0 | 19,470 | 5,382 | 24,852 |
| Total for 12 weeks ... | 135,335 | 39,214 0 0 | 531,544 0 | 31,234 0 0 | 285 0 0 | 70,733 0 0 | 21,010 | 6,306 | 27,316 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 12,685 | 3,852 0 0 | 77,257 0 | 4,030 0 0 | 29 0 0 | 7,961 0 0 | 1,968 | 994 | 2,962 |
| Per mile of railway corresponding week of previous year ... | 235 | 71 0 0 | 1,431 0 | 75 0 0 | 1 0 0 | 147 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... ... | 157,339 | 46,280 0 0 | 477,340 0 | 29,755 0 0 | 356 0 0 | 76,391 0 0 | 22,964 | 7,113 | 30,097 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 18th September 1909... | Coaching ... | 7,026 0 0 | 18,131 0 0 |
| | Goods ... | 11,062 0 0 | |
| | Other earnings ... | 43 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 8,427 0 0 | 18,894 0 0 |
| | Goods ... | 10,418 0 0 | |
| | Other earnings ... | 49 0 0 | |
| | Decrease ... | | 763 0 0 |
| Receipts per mile for the week ending 18th September 1909 ... ... ... ... | | | 355 8 2 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 370 7 6 |
| | Decrease ... | | 14 15 4 |
| Receipts from 1st July to 18th September 1909 ... ... ... ... ... | | | 1,93,109 0 6 |
| Ditto for the corresponding period of 1908 ... ... ... ... ... | | | 1,80,579 0 0 |
| | Increase ... | | 12,530 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 29th September 1909.

REGISTERED No. C 209.

No. 40 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, OCTOBER 6, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

## CONTENTS.

| | Page |
|---|---|
| Preliminary Forecast of the *Bhadoi* Crops of Bengal, 1909 ... | 1513—1528 |
| Weather and Crop Report for the week ending the 4th October 1909 ... | 1529—1534 |
| Abstract statement showing Tollage on Canals in Bengal classed as Major and Minor Works for the month of September 1909... ... | 1535—1536 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 2nd October 1909 ... | 1537 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of August 1909 ... | 1538—1540 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 26th September to 2nd October 1909 ... | 1541 |
| Railway Returns ... | 1542—1548 |

## PRELIMINARY FORECAST OF THE *BHADOI* CROPS OF BENGAL, 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 4th October 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### PRELIMINARY FORECAST OF THE BHADOI CROPS OF BENGAL, 1909.

[On an average of five years ending 1907-08, the area under autumn rice in the territory to which this forecast relates has represented some 5·9 per cent. of the total area under this crop in British India.]

*Explanatory.*—The staple *bhadoi* crop of the Province as a whole is autumn rice. It covers about 50 per cent. of the total area under all *bhadoi* crops. Millets and maize are cultivated chiefly in Bihar and Chota Nagpur.

*Character of the Season.*—In April, the rainfall was above the average in all districts. In May, it was in defect, but there was sufficient moisture in the soil for sowing. In June, the rainfall was in excess of the normal, but in July defective. In the end of August, excessive rain and floods did damage in Bihar and Palamau. Maize suffered very badly in Bihar. Insect-pests appeared in Jessore and Sambalpur, but the injury was local. Prospects are, on the whole, fairly good.

*Area sown.*—The area sown as returned by District Officers is 9,548,200 acres, as against 9,031,200 acres of last year. The estimates of the total normal area is 9,548,700 acres. The increase in the area sown is due to seasonable weather at the time of sowing and to a decrease in the area cultivated with jute owing to the low prices of jute in the previous year.

*Outturn.*—The appendix attached to this note shows that in Burdwan, Khulna, Darbhanga, the Sonthal Parganas, Balasore and Ranchi, 100 per cent. crops are likely to be harvested. In seven districts, the estimates received range from 90 to 98 per cent., in eight districts from 80 to 88 per cent. and in nine districts from 72 to 78 per cent. In the remaining three districts, the estimates are as follow:—Darjeeling, 60 per cent.; Murshidabad, 61 per cent.; and Saran, 65 per cent.

From all the information that has come to hand, indication is given of an 85 per cent. crop for the Province; but in view of the satisfactory character of the season, I am of opinion that the crop will not be short of the normal for the Province as a whole.

W. R. GOURLAY,

*Offg. Director of Agriculture, Bengal.*

CALCUTTA,

*The 23rd September 1909.*

## *Preliminary forecast of the* Bhadoi *Crops, 1909.*

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under *bhadoi* crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Burdwan ... | 1,721,990 | 1,234,200 | *Autumn* rice ... ... ... | 140,000 | 136,900 | 132,200 | 96 | 100 | 85,226 | ... | ... | Latter part of April to May. | The weather has been favourable. The general condition of the crops is good. The decrease in the area sown is probably due to the extended cultivation of the jute crop. | |
| | | | Indian-corn (maize) ... ... | 3,000 | 3,000 | 3,000 | 80 | 100 | | 1889 to 1892 and 1903-04 to 1907-08. | Not ascertained. | June. | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 6,700 | 2,200 | 2,200 | 97 | 100 | | | | April to July. | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,200 | 2,200 | 2,100 | 98 | 100 | | | | Ditto. | | |
| | | | Other *bhadoi* non-food crops ... | 10,000 | 8,200 | 8,100 | 99 | 100 | | | | Ditto. | | |
| | | | Total | 161,900 | 152,400 | 147,600 | 91 | 100 | 85,226 | ... | ... | | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under *bhadoi* crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture in Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Birbhum ... | 1,121,280 | 786,700 | *Autumn* rice ... ... ... | 144,100 | 144,100 | 144,100 | 75 | 85 | 46,382 | 1889 to 1891 and 1903-06. | ... | Latter part of June and beginning of July. | The weather has been favourable. The general condition of the crops and their prospects are good. The date of sowing was a little early. | |
| | | | Indian-corn (maize) ... ... | 1,900 | 1,900 | 1,900 | 75 | 90 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,400 | 1,400 | 1,400 | 75 | 90 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 2,800 | 2,500 | 2,800 | 75 | 90 | | | | | | |
| | | | Total ... | 150,200 | 150,200 | 150,200 | 75 | 85 | 46,382 | | ... | | | |
| Bankura ... | 1,677,440 | 642,800 | *Autumn* rice ... ... ... | 21,900 | 15,000 | 14,500 | 80 | 70 | 16,348 | 1889 to 1902, 1906 and 1907. | Not available. | Middle of May to 1st week of June. | The weather and rainfall were not favourable at the beginning. The general condition of *autumn* rice is not satisfactory. The date of sowing was normal. | |
| | | | Bajra ... ... ... ... | 800 | 700 | 700 | 50 | 75 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 1,100 | 800 | 800 | 60 | 75 | | | | | | |
| | | | Indian-corn (maize) ... ... | 3,600 | 3,200 | 3,200 | 50 | 80 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 8,400 | 7,500 | 7,500 | 60 | 75 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 700 | 2,600 | 2,600 | 75 | 75 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,200 | 1,200 | 1,200 | 75 | 60 | | | | | | |
| | | | Total ... | 37,700 | 31,000 | 30,500 | 70 | 73 | 16,348 | | ... | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Midnapore ... | 3,319,040 | 2,190,600 | *Autumn* rice ... ... ... | 106,600 | 100,500 | 100,300 | 75 | 79 | 35,342 | 1893 to 1898. | 16,293 | May and June. | The weather has so far been good. The general condition of the crops is good in the Sadar and Tamluk subdivisions and fair in the Ghatal and Contai subdivisions, where the rainfall was late. The date of sowing was early in Contai and Tamluk and late in the Sadar and Ghatal subdivisions. |
| | | | Bajra ... ... ... | 6,100 | 5,500 | 5,500 | 70 | 70 | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 2,000 | 1,900 | 1,900 | 70 | 70 | | | | | |
| | | | Indian-corn (maize) ... ... | 21,300 | 20,700 | 20,700 | 70 | 75 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 48,600 | 46,700 | 46,300 | 70 | 70 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 23,000 | 20,000 | 20,300 | 78 | 86 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 85,400 | 79,600 | 79,600 | 80 | 82 | | | | | |
| | | | Total ... | 293,000 | 274,900 | 274,600 | 75 | 78 | 35,342 | | 16,293 | | |
| Hooghly ... | 761,210 | 445,900 | *Autumn* rice ... ... ... | 45,500 | 42,800 | 39,100 | 79 | 76 | Not cadastrally surveyed. | | | Last week of May and beginning of June. | Owing to excessive rain at the time of sowing, some damage was done to the crops. The date of sowing was normal. |
| | | | Indian corn (maize) ... .. | (30) | (30) | 200 | 73 | 83 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 600 | 500 | 400 | 83 | 85 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,600 | 2,300 | 2,400 | 80 | 84 | | | | | |
| | | | Total ... | 48,700 | 45,[illegible] | 42,100 | 79 | 77 | | | | | |
| Howrah ... | 326,400 | 250,600 | *Autumn* rice ... ... | 18,500 | 17,600 | 17,300 | 70 | 74 | ... | ... | ... | 1st and 2nd week of May. | The weather was favourable and the condition of the crops is good. The date of sowing was normal this year. |
| | | | Indian-corn (maize) | 300 | 200 | 200 | 75 | 74 | ... | ... | ... | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,300 | 1,100 | 1,000 | 75 | 73 | ... | ... | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,700 | 2,500 | 2,100 | 50 | 62 | ... | ... | .. | | |
| | | | Total ... | 22,500 | 21,400 | 20,600 | 68 | 73 | ... | .. | ... | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of bhadoi crops. | Approximate normal area under each specified bhadoi crop, in acres. | Approximate area last year (1908) under each specified bhadoi crop, in acres. | Estimated area this year (1909) under each specified bhadoi crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under bhadoi crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| 24-Parganas .. | 3,100,533 | 1,688,700 | *Autumn* rice ... ... ... | 73,400 | 57,800 | 62,100 | 76 | 91 | ... | ... | ... | April to June | The increase in the estimated area under *autumn* rice, as compared with last year, is due to the fact that, on account of the falling off in the demand for jute, the ryots have reduced the area under jute and increased that under *autumn* rice in the Basirhat Subdivision. The weather has been favourable and the general condition of the crops is good. The date of sowing was normal. | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 3,600 | 1,500 | 1,600 | 84 | 95 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 5,600 | 3,100 | 3,500 | 77 | 94 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 100 | 100 | 100 | 75 | 100 | | | | | | |
| | | | Total ... | 82,700 | 62,500 | 67,300 | 76 | 91 | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nadia ... | 1,787,520 | 1,043,800 | *Autumn* rice ... ... ... | 328,900 | 498,600 | 514,300 | 45 | 72 | Not cadastrally surveyed ... | | | Middle of April. | The weather was favourable and the condition of the crops is generally good, but want of rain during the greater part of July affected the crops injuriously. Hence the decrease in the estimated outturn. The decrease in the area under jute partly accounts for the increase in the area sown. The date of sowing was normal. |
| | | | Mandua, *marua* or *ragi* ... | 300 | 100 | 200 | 37 | 50 | | | | | |
| | | | Indian-corn (maize) ... ... | 800 | 300 | 100 | 25 | 50 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 11,700 | 6,600 | 8,000 | 43 | 59 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 17,700 | 8,000 | 6,600 | 54 | 72 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 25,000 | 12,300 | 12,000 | 52 | 65 | | | | | |
| | | | Total ... | 384,400 | 525,900 | 541,200 | 45 | 72 | ... | | .. | | |
| Murshidabad | 371,520 | 965,500 | *Autumn* rice ... ... ... | 229,700 | 182,500 | 183,500 | 48 | 60 | ... | ... | ... | April to June | The weather has been favourable and the general condition of the crops is fair. The date of sowing was normal in some places and early in others. |
| | | | Bajra ... ... ... | 500 | ... | 400 | ... | 46 | ... | ... | ... | | |
| | | | Mandua, *marua* or *ragi*... ... | 500 | 200 | 500 | 64 | 68 | ... | ... | ... | | |
| | | | Indian-corn (maize) ... ... | 200 | 400 | 500 | 66 | 64 | ... | ... | ... | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,200 | 3,900 | 4,700 | 58 | 73 | ... | ... | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,600 | 3,500 | 4,700 | 57 | 70 | ... | ... | ... | | |
| | | | Other *bhadoi* non-food-crops ... | 72,500 | 10,100 | 17,800 | 60 | 63 | ... | ... | ... | | |
| | | | Total ... | 314,200 | 200,600 | 211,100 | 49 | 61 | .. | ... | ... | | |
| Jessore ... | 1,872,153 | 1,191,000 | *Autumn* rice ... ... ... | 371,[illegible]00 | 326,800 | 431,200 | 75 | 75 | ... | ... | ... | April ... | The weather was favourable and the general condition of the crops is favourable. The date of sowing was normal. Partial damage to crops by insect-pests is reported from the Magurah Subdivision, and the outturn is also likely to be affected by the failure of rain at the sprouting season in the Jhenidah Subdivision. |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 13,600 | 20,600 | 21,100 | 60 | 60 | ... | ... | ... | | |
| | | | Other *bhadoi* food-[illegible] (*e.g.*, vegetables). | 28,300 | 28,300 | 21,100 | 65 | 65 | ... | ... | ... | | |
| | | | Other *bhadoi* non-food-cr[illegible] | 9,200 | 10,000 | 9,700 | 65 | 65 | ... | ... | .. | | |
| | | | [illegible] | 428,000 | 376,300 | 483,100 | 73 | 74 | ... | | ... | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area under each specified bhadoi crop, in acres. | Approximate area last year (1908) under each specified bhadoi crop, in acres. | Estimated area this year (1909) under each specified bhadoi crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Khulna ... | 3,049,016 | 870,000 | *Autumn* rice ... ... ... | 45,800 | 59,400 | 59,500 | 97 | 100 | 176,535 | 1903-1904 to 1908-1909. | 50 | 5th May ... | The weather was seasonable and the general condition of the crops is good. The date of sowing was normal this year. | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,000 | 1,000 | 1,000 | 100 | 100 | | | 91 | 30th May. | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 4,700 | 4,000 | 4,000 | 100 | 100 | | | 2 | Ditto. | | |
| | | | Total ... | 51,500 | 64,400 | 64,500 | 97 | 100 | 176,535 | | 143 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patna ... | 1,528,000 | 1,082,100 | *Autumn* rice ... ... ... | 14,200 | 11,500 | 12,100 | 81 | 90 | | | 7,243 | Middle of June. | The weather was favourable and the general condition of the crops is good. The crops on low lands have suffered to a certain extent owing to excessive rainfall and floods. The date of sowing was normal this year. |
| | | | Jowar ... ... ... ... | 15,500 | 13,900 | 13,400 | 50 | 85 | | | 163 | | |
| | | | Mandua, *marua* or *ragi* ... | 63,800 | 78,600 | 72,100 | 36 | 93 | | | 341 | | |
| | | | Indian-corn (maize) ... ... | 114,000 | 130,500 | 126,000 | 38 | 85 | | | 5,189 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 17,400 | 17,400 | 16,600 | 45 | 93 | 73,164 | 1900-01 | 15,771 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 8,800 | 7,700 | 6,900 | 28 | 88 | | | 141 | | |
| | | | Other *bhadoi* non-food-crops .. | 5,800 | 5,000 | 5,300 | 70 | 93 | | | 794 | | |
| | | | Total ... | 239,500 | 265,000 | 252,400 | 38 | 87 | 73,164 | ... | 29,642 | | |
| Gaya ... | 3,015,680 | 2,118,100 | *Autumn* rice ... ... ... | 18,000 | 15,700 | 12,800 | 80 | 100 | | | ... | Middle of June. | The weather was very favourable for the *bhadoi* crops. There was good rain with breaks of sunshine. The general condition of the crops is good. The date of sowing was normal |
| | | | Jowar ... ... ... .. | 20,300 | 16,900 | 17,200 | 60 | 100 | | | 1,871 | | |
| | | | Mandua, *marua* or *ragi* ... | 76,200 | 59,900 | 75,700 | 75 | 90 | | 1893 to 1895, 1899 to 1902; 1907 to 1908. | 7,631 | | |
| | | | Indian-corn (maize) ... ... | 65,900 | 63,800 | 64,600 | 80 | 90 | | | 6,632 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 24,100 | 23,400 | 21,400 | 75 | 100 | 517,900 | | 94,189 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,300 | 4,100 | 3,600 | 75 | 100 | | | 419 | | |
| | | | Other *bhadoi* non-food-crops ... | 1,300 | 1,400 | 1,200 | 75 | 100 | | | 122 | | |
| | | | Total . | 209,100 | 183,[illegible] | 1[illegible],800 | 78 | 93 | 517,900 | | 110,864 | | |
| Shahabad ... | 2,800,843 | 1,843,600 | *Autumn* rice ... ... ... | 43,280 | 37,000 | 41,600 | 70 | 85 | | | | Middle of June. | The general condition of the crops is fair except in the Sadar and Buxar Subdivisions where the crops have been damaged to some extent by the recent floods and excessive rain. The date of sowing was normal this year. |
| | | | Jowar ... | 8,100 | 6,100 | 6,700 | 80 | 70 | | | | | |
| | | | Bajra ... ... ... . | 8,800 | 6,500 | 5,500 | 80 | 70 | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 29,400 | 22,000 | 23,600 | 75 | 80 | | | | | |
| | | | Indian-corn (maize) ... | 38,400 | 37,700 | 36,300 | 75 | 70 | ... | ... | ... | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 28,000 | 21,000 | 22,300 | 75 | 75 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 9,400 | 8,300 | 9,400 | 60 | 75 | | | | | |
| | | | Other *bhadoi* non-food-crops .. | 2,200 | 1,200 | 2,200 | 75 | 85 | | | | | |
| | | | Total ... | 172,500 | 139,800 | 147,600 | 73 | 76 | ... | | ... | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area under each specified *bhadoi* crop, in acres. | Approximate area last year (1908) under each specified *bhadoi* crop, in acres. | Estimated area this year (1909) under each specified *bhadoi* crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Saran ... ... | 1,711,256 | 1,357,200 | *Autumn* rice ... ... ... | 66,400 | 52,00 | 64,500 | 38 | 71 | 1,633,435 | 1893 to 1901 | 66,324 | 1st June | The date of sowing was normal. The crops were injuriously affected by continued rain and west winds at places. Some damage to rice by floods and to maize by west winds is reported, but the estimate in Column 9 is unduly low. | |
| | | | Jowar ... ... ... ... | 5,000 | 3,900 | 4,800 | 82 | 57 | | | ... | | | |
| | | | Bajra ... ... ... ... | 2,800 | 2,700 | 1,500 | 68 | 50 | | | ... | | | |
| | | | Mandua, *marua* or *ragi* ... | 40,300 | 38,000 | 40,000 | 67 | 70 | | | 40,266 | | | |
| | | | Indian-corn (maize) ... ... | 213,300 | 179,600 | 182,200 | 64 | 61 | | | 213,240 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 45,000 | 190,200 | 113,900 | 33 | 66 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 21,300 | 9,900 | 8,500 | 56 | 83 | | | ... | | | |
| | | | Other *bhadoi* non-food-crops ... | 18,200 | 1,600 | 2,500 | 67 | 63 | | | ... | | | |
| | | | Total ... | 412,300 | 477,900 | 417,900 | 49 | 65 | 1,633,435 | | 319,830 | | | |
| Champaran ... | 2,259,840 | 1,447,600 | *Autumn* rice ... ... ... | 223,000 | 227,300 | 234,000 | 50 | 90 | 2,079,815 | 1892 to 1899 | 256,671 | End of May and beginning of June. | Owing to timely and sufficient rain, larger areas than the normal have been sown with most of the *bhadoi* crops. The date of sowing was normal. The general condition of the crops is good, except that of maize which has been damaged in some parts by excessive rain and floods. Reports of the damage caused by the recent cyclonic weather have not yet been received, but it is almost certain that it has seriously affected the *bhadoi* crops, especially maize. | |
| | | | Jowar ... ... ... ... | 6,000 | 1,500 | 6,000 | 50 | 90 | | | ... | | | |
| | | | Bajra ... ... ... ... | 4,000 | 2,000 | 4,000 | 75 | 85 | | | ... | | | |
| | | | Mandua, *marua* or *ragi* ... | 18,000 | 16,700 | 20,000 | 75 | 90 | | | 17,385 | | | |
| | | | Indian-corn (maize) ... ... | 120,000 | 120,900 | 140,000 | 75 | 50 | | | 117,868 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 135,000 | 134,000 | 134,000 | 70 | 70 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,000 | 1,000 | 1,000 | 70 | 100 | | | ... | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,000 | 1,000 | 1,000 | 75 | 100 | | | ... | | | |
| | | | Total ... | 508,000 | 504,400 | 540,000 | 62 | 75 | 2,079,815 | | 391,924 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Muzaffarpur ... | 1,942,400 | 1,627,800 | *Autumn* rice ... ... ... | 109,200 | 80,000 | 109,000 | 30 | 100 | 1,942,400 | 1892-93 to 1898-99. | 109,200 | 3rd week of April. | The date of sowing was early owing to the early setting in of the rains. The condition of the crops is excellent except on certain low lands where they have been injured by floods. |
| | | | Mandua, *marua* or *ragi* ... | 82,400 | 62,000 | 93,000 | 42 | 110 | | | 82,400 | | |
| | | | Indian-corn (maize) ... ... | 163,800 | 170,000 | 180,000 | 48 | 90 | | | 163,800 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 128,600 | 128,600 | 140,000 | 47 | 95 | | | 128,600 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 8,300 | 8,300 | 20,500 | 48 | 100 | | | 8,300 | | |
| | | | Other *bhadoi* non-food-crops .. | 15,200 | 15,200 | 15,200 | 49 | 100 | | | 15,200 | | |
| | | | Total ... | 507,500 | 464,100 | 556,700 | 43 | 97 | 1,942,400 | | 507,500 | | |
| Darbhanga ... | 2,142,690 | 1,678,000 | *Autumn* rice ... ... ... | 80,800 | 53,900 | 55,400 | 24 | 100 | 2,142,690 | 1886 to 1903. | 80,800 | June ... | The weather has been favourable and the general condition of the crops is good. The date of sowing was normal. The crops will yield a 100 per cent. outturn if there are no floods. |
| | | | Jowar .. ... ... | 10,700 | 3,200 | 3,500 | 51 | 100 | | | 10,700 | | |
| | | | Bajra ... ... ... | 500 | .. | 200 | ... | 100 | | | 500 | | |
| | | | Mandua, *marua* or *ragi* ... | 221,200 | 158,000 | 233,500 | 36 | 100 | | | 221,200 | | |
| | | | Indian-corn (maize) ... ... | 87,100 | 132,600 | 138,000 | 49 | 100 | | | 87,100 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 9,000 | 30,000 | 38,300 | 42 | 100 | | | 9,000 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | .. | 8,500 | 12,400 | 49 | 100 | | | ... | | |
| | | | Other *bhadoi* non-food-crops ... | 500 | 13,900 | 17,700 | 55 | 100 | | | 500 | | |
| | | | Total ... | 409,800 | 400,100 | 499,000 | 40 | 100 | 2,142,690 | | 409,800 | | |
| Monghyr ... | 2,510,080 | 1,582,800 | *Autumn* rice ... ... ... | 19,400 | 11,600 | 13,400 | 33 | 75 | 985,532 | 1900 to 1904. | 328,535 | Middle of June and beginning of July in Jamui and 15th May in Begusarai subdivision. | The weather was favourable. The general condition of the crops is good in the Begusarai subdivision. In the Jamui subdivision owing to continuous rain, damage was done to the crops. Those that have survived are yet in good condition. The figures received from thanas for Column 9 have been raised considerably as they were obviously too low. |
| | | | Jowar ... ... ... ... | 1,400 | 5,700 | 7,300 | 57 | 75 | | | | | |
| | | | Bajra ... ... ... ... | ... | 600 | 600 | 52 | 85 | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 49,200 | 24,000 | 20,900 | 28 | 70 | | | | | |
| | | | Indian-corn (maize) ... ... | 221,900 | 213,700 | 241,800 | 58 | 80 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 13,400 | 9,000 | 15,700 | 56 | 70 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 6,200 | 3,400 | 4,000 | 52 | 55 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 45,600 | 27,700 | 28,100 | 52 | 90 | | | | | |
| | | | Total ... | 357,100 | 295,700 | 331,800 | 54 | 80 | 985,532 | | 328,535 | | |
| Bhagalpur ... | 2,704,640 | 1,911,400 | *Autumn* rice ... ... ... | 324,700 | 220,000 | 324,700 | 33 | 100 | 2,403,764 | 1902 to 1904 | 151,919 | 1st June ... | Owing to seasonable rainfall, the condition of the crops is excellent. The weather has been favourable for their growth. Indian-corn has been damaged in some places by floods and continuous rain. The date of sowing was normal on the whole. |
| | | | Jowar ... ... | 10,100 | 22,000 | 10,100 | 75 | 100 | | | 2,856 | Last week of May. | |
| | | | Mandua, *marua* or [illegible] ... | 185,800 | 100,000 | 185,800 | 40 | 100 | | | 142,683 | | |
| | | | Indian-corn (maize) | 179,400 | 170,000 | 180,000 | 45 | 67 | | | 114,275 | | |
| | | | Other *bhadoi* cereals and [illegible] pulses. | 11,900 | 21,100 | 11,900 | 45 | 100 | | | 40,652 | 1st June ... | |
| | | | Other *bhadoi* food-crops [illegible] vegetables). | 14,100 | 2,100 | 14,100 | 50 | 100 | | | 159 | | |
| | | | Other *bhadoi* non-food [illegible] ... | 26,600 | 26,600 | 26,600 | 50 | 100 | | | ... | | |
| | | | Total ... | 752,600 | 561,800 | 753,200 | 41 | 92 | 2,403,764 | | 452,544 | | The figures for normal areas have been revised on the basis of cadastral survey figures. |

| District. | Total area of district, in acres | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Purnea ... | 3,196,153 | 1,094,400 | *Autumn* rice ... ... ... | 516,500 | 515,000 | 525,000 | 43 | 90 | 2,506,346 | 1901-1902 to 1904-1905. | Not known. | End of April to June. | The weather was favourable throughout the district. The rainfall was timely and well distributed. The general condition of the crops is good. The date of sowing was normal. On account of seasonable rainfall, a larger area has been sown this year. | |
| | | | Jowar ... ... ... | 100 | ... | 100 | ... | 100 | | | | | | |
| | | | Mandua, *marua* or *ragi* | 4,400 | 2,400 | 8,500 | 62 | 100 | | | | | | |
| | | | Indian-corn (maize) ... | 6,000 | 4,300 | 20,000 | 74 | 90 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 4,300 | 2,500 | 5,000 | 72 | 90 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 28,900 | 21,500 | 25,000 | 76 | 95 | | | | | | |
| | | | Other *bhadoi* non-food-crops... | 200 | .. | . | | ... | | | | | | |
| | | | Total ... | 560,400 | 545,700 | 583,900 | 45 | 90 | 2,506,3[illegible] | | ... | | | |
| Darjeeling .. | 744,956 | 166,600 | *Autumn* rice ... ... ... | 7,200 | 3,700 | 3,700 | 91 | 63 | 261,549 | 1897 to 1903. | ... | June ... | The general condition of the crops is not favourable. Owing to sudden change of weather, the crops have suffered considerably. The date of sowing was normal. | |
| | | | Mandua, *marua* or *ragi* ... | 5,300 | 5,300 | 5,300 | 82 | 64 | | | 3,808 | Do. | | |
| | | | Indian-corn (maize) ... ... | 40,300 | 40,200 | 40,200 | 78 | 59 | | | 37,775 | March. | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,200 | 2,200 | 2,200 | 83 | 63 | | | ... | March and April. | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 5,200 | 4,500 | 4,500 | 58 | 59 | | | ... | Feb. and March. | | |
| | | | Other *bhadoi* non-food crops ... | 2,900 | 2,400 | 2,400 | 70 | 61 | | | ... | Do. | | |
| | | | Total ... | 63,100 | 58,300 | 58,300 | 81 | 60 | 261,549 | | 41,583 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sonthal Parganas. | 3,500,900 | 1,549,800 | *Autumn* rice ... | 238,400 | 326,300 | 321,300 | 73 | 100 | 3,272,009 | 1899 to 1903. | ... | June and May. | The weather was favourable and the general condition of the crops is good. The date of sowing was normal. The normal area under Mandua has been revised by the Subdivisional Officer of Jamtara. |
| | | | Jowar ... | 48,700 | 46,900 | 47,700 | 72 | 100 | | | 41,851 | Middle of June. | |
| | | | Mandua, *marua* or *ragi* ... | 21,600 | 20,900 | 20,900 | 66 | 100 | | | 24,785 | June and July. | |
| | | | Indian-corn (maize) ... | 171,400 | 163,700 | 166,200 | 69 | 100 | | | 163,702 | Do. | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 115,300 | 114,300 | 114,900 | 76 | 100 | | | ... | Do. | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 6,400 | 6,400 | 6,400 | 72 | 100 | | | ... | Do. | |
| | | | Other *bhadoi* non-food crops .. | 48,400 | 48,000 | 48,400 | 71 | 100 | | | ... | Do. | |
| | | | Total ... | 750,200 | 726,500 | 725,800 | 72 | 100 | 3,272,009 | | 230,,338 | | |
| Cuttack ... | 2,389,560 | 1,223,500 | *Autumn* rice ... | 145,700 | 165,200 | 165,500 | 69 | 85 | 2,088,137 | 1889 to 1895 & 1901 to 1907. | 135,298 | First fortnight of May. | The weather was favourable. The general condition of crops is good. The outturn is expected to be below the normal owing to excessive rain at the time of sowing and at places at the time of growth. |
| | | | Mandua, *marua* or *ragi* | 22,200 | 21,400 | 24,100 | 71 | 75 | | | 30,674 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 3,500 | 2,700 | 2,200 | 84 | 81 | | | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,700 | 6,400 | 6,900 | 77 | 83 | | | ... | | |
| | | | Other *bhadoi* non-food crops ... | 700 | 3,300 | 2,300 | 86 | 95 | | | . | | |
| | | | Total .. | 175,800 | 199,000 | 201,000 | 70 | 84 | 2,088,137 | | 165,972 | | |
| Balasore ... | 2,324,368 | 932,200 | *Autumn* rice .. ... .. | 11,000 | 11,000 | 11,000 | 95 | 100 | 1,095,778 | 1891-92 to 1894-95. | 9,100 | 1st week of May. | The weather was favourable. The general condition of the crops is good. The date of sowing was early in case of *bhadoi* paddy and normal in case of other crops. |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,000 | 2,000 | 2,000 | 90 | 100 | | | 1,800 | 1st week of June. | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,100 | 1,100 | 1,100 | 100 | 100 | | | 800 | Do. | |
| | | | Other *bhadoi* non-food crops . | 3,200 | 3,200 | 3,200 | 100 | 100 | | | 1,000 | Do. | |
| | | | Total .. | 17,300 | 17,300 | 17,300 | 97 | 100 | 1,095,778 | | 12,700 | | |
| Angul ... | 1,081,328 | 263,400 | *Autumn* rice .. ... ... | 16,500 | 16,500 | 16,500 | 75 | 80 | 575,283 | 1888-89 | Not available Khondmals subdivision has not been cadastrally surveyed. | May to June | The general condition of the crops is at present good. The date of sowing was this year early due to the early rainfall. |
| | | | Mandua, *marua* or *ragi* ... | 3,200 | 4,000 | 3,000 | 75 | 80 | | | | | |
| | | | Indian-corn (maize) ... | 8,000 | 4,000 | 4,000 | 40 | 60 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses | 13,500 | 8,000 | 16,000 | 75 | 80 | | | | | |
| | | | Other *bhadoi* food-crops (vegetables). | 1,600 | 1,100 | 1,600 | 75 | 75 | | | | | |
| | | | Other *bhadoi* non-food crops . | 1,500 | 1,100 | 1,000 | 75 | 90 | | | | | |
| | | | Total ... | 43,800 | 34,600 | 36,100 | 71 | 78 | 575,283 | | .. | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of bhadoi crops. | Approximate normal area under each specified bhadoi crop, in acres. | Approximate area last year (1908) under each specified bhadoi crop, in acres. | Estimated area this year (1909) under each specified bhadoi crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under bhadoi crops during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Puri ... ... | 1,599,360 | 750,200 | *Autumn* rice ... | 65,200 | 22,300 | 22,300 | 75 | 76 | 1,274,790 | 1890 to 1899. | 29,978 | May | The weather has been favourable, owing to timely and sufficient rain. The condition of the crops is good. The date of sowing was normal. | |
| | | | Mandua, *marua* or *ragi* ... | 24,800 | 15,300 | 15,500 | 82 | 86 | | | 13,092 | May and 1st week of June. | | |
| | | | Indian-corn (maize) | 200 | 300 | 300 | 46 | 96 | | | ... | Do. | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,500 | 900 | 1,800 | 81 | 75 | | | ... | Do. | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,200 | 5,600 | 2,700 | 93 | 95 | | | 3,044 | Do. | | |
| | | | Other *bhadoi* non-food crops ... | 2,100 | 700 | 600 | 87 | 76 | | | 285 | Do. | | |
| | | | Total ... | 97,000 | 45,100 | 43,200 | 80 | 81 | 1,274,790 | | 46,399 | | | |
| Sambalpur ... | 2,447,360 | 836,100 | *Autumn* rice ... | 406,700 | 424,100 | 442,900 | 92 | 98 | 2,447,360 | 1884 to 1887 and 1891 to 1897. | 383,483 | 20th May | The areas in Column 6 were only estimates last year but now actual areas have been given after careful checking. The date of sowing of autumn rice was a little earlier this year but it was normal for the rest of the crops. *Bihuda* operations were retarded for want of rain in the Padampur and Attabira circles of the Bargarh subdivision. Some damage has been done to autumn rice by insect-pests (locally called *Dhana*) in some places of the Rampella and Katarbaga circles of the Sadar subdivision. More rain is wanted. | |
| | | | Jowar ... | 700 | 600 | 400 | 90 | 60 | | | 162 | 15th June. | | |
| | | | Mandua, *marua* or *ragi* | 600 | 400 | 400 | 90 | 98 | | | 278 | 1st July. | | |
| | | | Indian-corn (maize) ... | 2,100 | 1,400 | 1,200 | 90 | 63 | | | 724 | 15th June. | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 132,300 | 100,000 | 99,900 | 90 | 98 | | | 111,140 | 15th June to 15th September. | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,000 | 2,200 | 2,000 | 90 | 98 | | | 6,904 | 15th June. | | |
| | | | Other *bhadoi* non-food crops .. | 4,800 | 5,700 | 6,400 | 90 | 98 | | | 904 | 10th June. | | |
| | | | Total ... | 549,200 | 534,400 | 553,200 | 108 | 98 | | | 502,785 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hazaribagh ... | 4,493,440 | 1,703,000 | *Autumn* rice ... ... ... | 73,200 | 58,600 | 103,000 | 70 | 97 | ... | ... | ... | June | The weather was favourable. The general condition of the crops is good. The date of sowing was normal. Enquiry is being made as to the difference between figures in Columns 6 and 7 against "Other *bhadoi* non-food crops." |
| | | | Mandua, *marua* or *ragi* ... | 118,900 | 115,900 | 113,200 | 78 | 100 | | | | | |
| | | | Indian-corn (maize) ... | 188,200 | 198,200 | 176,900 | 70 | 99 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 130,800 | 108,900 | 98,300 | 91 | 95 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,200 | 13,500 | 18,400 | 74 | 92 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 75,100 | 75,100 | 4,100 | 55 | 76 | | | | | |
| | | | Total ... | 587,400 | 573,100 | 503,900 | 76 | 98 | | | | | |
| Ranchi ... | 4,561,920 | 1,500,000 | *Autumn* rice ... ... | 97,300 | 97,300 | 97,300 | 90 | 100 | The district is being cadastrally surveyed. | | | Middle of June. | The state of the crops is good owing to seasonable rainfall. The date of sowing was normal. |
| | | | Mandua, *marua* or *ragi* ... | 31,700 | 31,700 | 31,700 | 100 | 100 | | | | | |
| | | | Indian-corn (maize) ... | 4,000 | 4,000 | 4,000 | 92 | 100 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 61,700 | 61,700 | 61,700 | 95 | 100 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,000 | 1,000 | 1,000 | 100 | 100 | | | | | |
| | | | Total ... | 195,700 | 195,700 | 195,700 | 94 | 100 | ... | | ... | | |
| Palamau .. | 3,144,960 | 627,600 | *Autumn* rice ... ... .. | 30,000 | 22,000 | 21,000 | 75 | 90 | 187,520 | 1896 to 1897. | 157 | 15th June | The weather was favourable and the general condition of the crops good at the beginning of the season. Some damage has been done to *makai* by continuous rain. The date of sowing was early. |
| | | | Jowar ... ... .. | 600 | 1,200 | 100 | 75 | 75 | | | ... | | |
| | | | Bajra ... .. .. | 2,300 | 100 | 200 | 75 | 87 | | | 1,660 | | |
| | | | Mandua, *marua* or *ragi* ... | 19,700 | 14,000 | 54,000 | 80 | 80 | | | 4,821 | | |
| | | | Indian-corn (maize) .. | 50,000 | 36,000 | 30,000 | 80 | 71 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 45,000 | 44,800 | 15,000 | 90 | 94 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 4,400 | 1,000 | 5,600 | 92 | 83 | | | | | |
| | | | Other *bhadoi* non-food-crops | 5,000 | 2,700 | 4,000 | 85 | 85 | | | | | |
| | | | Total ... | 157,000 | 122,000 | 120,900 | 79 | 80 | 187,520 | | 6,638 | | |
| Manbhum ... | 2,654,060 | 1,419,200 | *Autumn* rice ... ... ... | 174,300 | 172,300 | 162,700 | 90 | 93 | Not cadastrally surveyed. | | | 1st week of June. | The weather has been favourable and the general condition of the crops is good. The date of sowing was normal. The figures of outturn submitted are based on those furnished by the police and are apparently below the mark. The outturn should not average less than 100 per cent. |
| | | | Jowar .. ... ... .. | 7,400 | 5,500 | 7,800 | 90 | 72 | | | | | |
| | | | Bajra ... ... .. ... | 6,100 | 5,900 | 5,700 | 90 | 75 | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 20,000 | 18,900 | 19,100 | 90 | 80 | | | | | |
| | | | Indian-corn (maize) .. | 90,800 | 84,400 | 79,000 | 75 | 92 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 107,900 | 94,700 | 100,200 | 90 | 82 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 22,300 | 21,200 | 23,100 | 90 | 89 | | | | | |
| | | | Other *bhadoi* non-food-crops | 15,500 | 11,100 | 11,200 | 90 | 85 | | | | | |
| | | | .. | 438,300 | 413,900 | 408,700 | 87 | 88 | .. | | ... | | |

| District. | Total area of district, in acres. | Total area in the district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area under each specified *bhadoi* crop, in acres. | Approximate area *last year* (1908) under each specified *bhadoi* crop, in acres. | Estimated area *this year* (1909) under each specified *bhadoi* crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crop during the cadastral survey. | Date at which the sowing of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Singhbhum ... | 2,490,240 | 840,700 | *Autumn* rice ... ... ... | 263,000 | 263,000 | 263,000 | 100 | 83 | | | ... | | | |
| | | | Jowar ... ... .. ... | 10,300 | 9,000 | 9,000 | 100 | 75 | | | 12,543 | | | |
| | | | Bajra ... . ... .. | 7,700 | 6,700 | 6,700 | 100 | 62 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 15,000 | 14,200 | 14,200 | 100 | 78 | 1,761,984 | 1895 to 1897 and 1900 to 1903. | 6,872 | 15th May to 30th June. | The weather has been favourable. The general condition of the crops is good. | |
| | | | Indian-corn (maize) ... | 31,000 | 31,000 | 31,000 | 100 | 92 | | | 19,272 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 40,000 | 38,000 | 38,000 | 100 | 70 | | | 26,154 | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,500 | 1,000 | 1,000 | 100 | 80 | | | .. | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,500 | 1,400 | 1,400 | 100 | 83 | | | ... | | | |
| | | | Total ... | 370,000 | 364,300 | 364,300 | 100 | 81 | 1,761,984 | | 64,841 | | | |
| benga. ... | 74,121,086 | 68,933,900 | *Autumn* rice ... . ... | 4,576,200 | 4,388,200 | 4,719,800 | 68 | 85 | | | | | | |
| | | | Jowar .. ... ... ... | 138,900 | 136,500 | 134,100 | 73 | 90 | | | | | | |
| | | | Bajra ... ... ... ... | 30,000 | 30,800 | 31,000 | 82 | 71 | | | | | | |
| | | | Mandua, *marua* or *ragi* .. . | 1,056,000 | 826,100 | 1,076,100 | 54 | 94 | | | | | | |
| | | | Indian-corn (maize) ... ... | 1,826,400 | 1,816,200 | 1,871,500 | 61 | 81 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,176,500 | 1,248,400 | 1,150,500 | 66 | 85 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 251,000 | 213,800 | 249,100 | 70 | 87 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 483,000 | 372,400 | 316,100 | 69 | 88 | | | | | | |
| | | | Total ... | 9,548,700 | 9,031,200 | 9,548,200 | 65 | 85 | | | | | | |

## WEATHER AND CROP REPORT.

*For the week ending the 4th October 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 1·31 | 10 | 9½ | Weather seasonable. Prospects of crops good. Steeping and washing of jute continuing. Cattle-disease reported from the Sadar and Sahibganj thanas. Stocks of food-grains and fodder sufficient. Prices falling. |
| 2 | BIRBHUM ... | 6·25 | 9½ | 9½ | Rainfall at Rampurhat 2·08 inches. Weather cloudy. Standing crops thriving well. No apprehension of scarcity. Fodder and water sufficient. No cattle-disease. |
| 3 | BANKURA ... | 2·43 | 10½ | 10 | Rainfall at Vishnupur 0·79 inches. Weather seasonable. Harvesting of *aus* paddy still continuing. State of crops good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | 5·35 | 9 | 9 | Rainfall at Contai 1·59, at Tamluk 1·89 and at Ghatal 1·07 inches. Sowings of rape and mustard commenced in Tamluk. Prospects of winter rice good except at Ghatal. Expected outturn of maize 75 per cent. in Contai. Fodder and water sufficient. Cattle-disease in thanas Midnapore and Nayagram. Common rice selling at 13 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·85 | 8½ | 8 | Prices of food-grains almost stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Harvesting of jute and paddy and weeding of winter paddy continuing. Winter paddy partially damaged in flooded tracts. Fodder and water sufficient. Cattle-disease reported from thana Polba. |
| 6 | HOWRAH ... | 0·52 | 9 | 8½ | This week's rainfall beneficial to crops. No heavy showers received during the week. Standing winter paddy outside the flooded tracts doing well. An outturn of 75 per cent. of a normal crop expected. Harvesting of *aus* paddy and jute nearly over. Sugarcane doing fairly well. Stocks of food-grains and fodder and water sufficient. |
| 7 | 24-PARGANAS | 0·33 | 9¼ | 9 | Weather seasonable. Steeping and threshing of jute continuing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Basirhat, at 10⅔ seers at Diamond Harbour and at 8½ seers at Barrackpore. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 2·73 | $11\frac{9}{16}$‡ | $10\frac{7}{16}$‡ | Rainfall at Ranaghat 1·50, at Chuadanga 0·47, at Meherpur 2·96 and at Kushtia 0·56, inches. Prospects of standing crops good. Sowing of *rabi* crops—*Kalai* and *moong* commenced. Harvesting and steeping of jute continuing. Condition of the crop good. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from Gangani thana. |
| 9 | MURSHIDABAD | 0·81 | $10\frac{1}{2}$ | 9 | Weather seasonable. State of standing crops good. Sowing of *til* and *kalai* continuing. Transplantation of *aman* paddy finished. Prospects favourable. Damage done to some extent by floods in the Kandi subdivision. Steeping and washing of jute continuing. Better outturn expected. Fodder and water sufficient. Cattle-disease reported from Khargaonc and Barwan in the Kandi subdivision. Stocks of food-grains sufficient. |
| 10 | JESSORE ... | 0·58 | $11\frac{1}{8}$ | 11 | Rainfall at Jhenida 2·35, at Magura 2·41, at Narail 0·40 and at Bangaon 2·85 inches. Weather seasonable. Rainfall general. Harvesting of *aus* paddy completed. Steeping of jute going on in places. Condition favourable. Stocks of food-grains, and fodder and water sufficient. Cattle-disease reported from the Jhenidah subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | 1·05 | 11 | 11 | Rainfall at Bagirhat 2·18 and at Satkhira 0·70 inches. Weather cloudy. Prices stationary. Stocks of food-grains sufficient till the next harvest. Prospects of standing paddy crop good. Cattle-disease reported from thanas Kaliganj and Asasuni. Fodder and water sufficient. |
| 12 | PATNA ... | [illegible] | $10\frac{1}{2}$ / 20* | 10 / 20* | Weather seasonable. Condition of standing crops good. Sugarcane doing well. Fodder and water sufficient. Cattle-disease reported from Bikram, Nowbatpur, and Asthawan police-stations. Condition of agricultural stock good. |
| 13 | GAYA ... | 1·18 | $11\frac{3}{4}$ / $17\frac{6}{16}$* | $10\frac{1}{2}$ / $17\frac{7}{16}$* | Weather seasonable. Harvesting of *bhadoi* crops nearly finished. Prospects of sugarcane and paddy very good. Ploughing of fields for sowing of *rabi* crops going on. Rainfall general. Price of rice falling. Fodder and water for cattle plentiful. No cattle-disease. |
| 14 | SHAHABAD ... | 2·55 | $10\frac{1}{4}$† / 18* | $10\frac{1}{2}$ / 18* | Rainfall at Buxar 1·89, at Bhabhua 0·45, at Sasaram 4·65 and at Dehri 0·76 inches. Paddy and sugarcane doing well. *Bhadoi* crops being harvested in places. Lands being ploughed for *rabi* crops. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.
‡ New *aus* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | 2·97 | 11† / 22* | 10 / 22½* | Rainfall at Siwan 1·26 and at Gopalganj 2·64 inches. Weather seasonable. *Hathia* rain very beneficial to paddy and other standing crops. Fields being prepared for *rabi* crops. Prices of staple food-crops falling. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | 4·14 | 13† / 21* | 12¾† / 20* | Weather seasonable. Rainfall at Bettiah 3·35 inches. Good rainfall reported from almost all stations. Harvesting of *bhadoi* crops continuing. Prospects of paddy good. Fodder and water sufficient. Cattle-disease reported from thanas Jagapatti, Shikarpur and Ramnagar. |
| 17 | MUZAFFARPUR | 3·71 | 11 / 21 | 10 / 20* | Weather seasonable. Rainfall at Sitamarhi 5·46, at Hajipur 3·15 inches and general throughout the district. Prospects of all standing crops excellent. Harvesting of *bhadoi* crops nearly completed. Common rice and maize selling at 9¼ and 25 seers a rupee respectively at Sitamarhi and at 8 and 21 seers a rupee respectively at Hajipur. Fodder and water sufficient. No cattle-disease. |
| 18 | DARBHANGA ... | 2·01 | 13 5/16†* / 23 1/16* | 12† / 20¾* | Weather hot and cloudy. Rainfall during the week general and very beneficial to standing crops. Transplantation of paddy going on in places. Harvesting of *bhadoi* crops over. Prices of food-grains falling. Food-stocks sufficient. No cattle-disease reported. *Makai* selling at 23 1/16 seers per rupee in Darbhanga bazar and dearer in the interior. |
| 19 | MONGHYR ... | 5·62 | 11 / 20* | 10½ / 20* | Weather seasonable, rainy and cloudy. Prospects of paddy crop very good. Sixteen annas crop expected. Much benefit done by *hathia* rains. Fields being prepared for *rabi* cultivation. Condition of sugar-cane good. *Marua*, *shama* and *kaoni* yielded bumper crops in the Begusarai subdivision. Cattle-disease reported from Gogri thana. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 6·21 | 8⅞ / 20¼* | 8⅞ / 20¼* | Weather seasonable. Immense good done to the *aghani* rice crop by the rain of the week, but it has considerably damaged *kurthi* in the Madhipura subdivision. Present condition of standing crops very good. No apprehension of scarcity. Condition of jute good. Sowings of *kurthi* and *kalai* nearly finished. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from the Madhipura and Bangaon thanas. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 6·54 | 10† / 25* | 10‡ | Rainfall at Araria 10·79, at Kishanganj 8·60, at Forbesganj 7·28 and at Korah 18·68 inches. Heavy and general *hathia* rain throughout the district. Immense good done to the standing crops. Harvesting of *bhadoi* crops approaching completion. Washing of jute still in progress. Prospects of *aghani* paddy excellent. Cattle-disease reported from Amur, Gopalpur and Kishanganj thanas. Fodder and water sufficient. Stocks of food-grains sufficient. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | |
| | | Inches. | | | |
| 22 | DARJEELING ... | 5·08 | 8·<br>15* | 8<br>15* | Rainfall at Siliguri 10·78 inches. Weather seasonable Hills—Maize, potatoes *chota marua*, and *bhadoi* paddy being harvested. *Bara marua* and winter rice growing well. Oilseeds being sown. Terai—Harvesting of *bhadoi* rice continuing. Prospects good. Lands being ploughed for *rabi* crops. Food-grains sufficient Prices stationary. |
| 23 | SONTHAL PARGANAS. | 3·60 | 11 11/16<br>27† | 11 11/16<br>31 1/8† | Rainfall at Deoghar 2·04, at Godda 4·46, at Jamtara 2·89, at Pakour 3·42 and at Rajmahal 4·03 inches. Prospects of standing crops very favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from the Sadar, Godda and Pakour subdivisions. Prospects of jute not favourable. Fodder and water sufficient. |
| 24 | CUTTACK ... | 2·32 | 11 13/16 | 11 13/16 | Mustard, *kurthi* and *biri* being sown. *Saradh* paddy and sugarcane growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·35 | 13 | 13 | Rainfall at Bhadrak 3·80 inches. Weather seasonable. *Laghu saradh* paddy in ear. *Guru saradh* paddy and sugarcane thriving. Harvesting and steeping of jute continuing. Lands being prepared for *rabi* crops. Vegetables doing well. Condition of cattle good. Fodder and water sufficient. Paddy crops partly damaged by insect-pests in thanas Dhamnagar, Simulia, Khaira and Remuna. Common rice selling at 13 seers per rupee at Bhadrak. |
| 26 | ANGUL ... | 1·05 | 15 3/4 | 16 3/4 | Rainfall at Phulbani 0·55 inch. Weather seasonable. Prospects good. Sowing of *rabi* crops continuing. Common rice selling at 12 seers per rupee in the Khondmals. Condition of agricultural stock good. Cattle-disease reported. |
| 27 | PURI ... | 0·38 | 10 1/8 | 10 1/8 | Rainfall at Khurda 0·51 inch. *Saradh* and *laghu* paddy, sugarcane and cotton thriving well. *Beali* paddy, *mandia* and jute being harvested. No cattle-disease. Fodder and water sufficient. Common rice selling at 11 13/16 seers per rupee at Khurda. |
| 28 | SAMBALPUR | [illegible] | 15 | 13 | Reaping and threshing of autumn rice and sowing of *moong* continuing. Tobacco being planted. Condition of standing crops: sugarcane, *urid*, cotton and winter rice good. Rice plants partly affected by Bangiphuti in Sadar Tahsil. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, pleuro-pneumonia and foot-and-mouth disease reported. Cheapest rice selling at 16 7/8 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | 3·02 | 10 1/8<br>25† | 10 1/8<br>28† | Weather seasonable. Fields being prepared for *rabi* crops. Gram, *kurthi* and *sarso* being sown in some places. Standing crops good. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | 4·05 | 14‡ | 15‡ | Weather seasonable. Prospects of standing crops good. Harvesting of *gora* paddy, *gondli*, *urid* continuing. No cattle-disease reported. Fodder and water sufficient. Prices of rice tending to fall generally. |
| 31 | PALAMAU ... | 1·02 | 11 1/4 | 9 | Weather seasonable. Paddy going well. Fields being prepared for *rabi* crops. Fodder and water sufficient. Cattle-disease reported from several thanas. |

* The figures indicate the price of maize in seers per rupee.
† New maize.
‡ *Gora* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 32 | MANBHUM ... | 3·01 | 12 | 12 | Rainfall at Dhanbaid 2·76 inches. Weather seasonable. State of standing crops good. Sowings of rape and mustard begun. Outturn of maize estimated at 100 per cent. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains stationary. Common rice selling at 9½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 5·89 | 9 | 9 | Weather seasonable. Harvesting of early paddy going on. State of standing crops good. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 seers per rupee at Kharsawan. Report from Seraikella not received. |
| 34 | COOCH BEHAR | 6·74 | 7[illegible] | 7[illegible] | Weather hot and cloudy. Steeping and washing of jute continuing. Condition of jute fair. Much good done to the *haimantik* plants by the rain of the week. Prices of staple food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 0·53<br>Athmallik ... 1·89<br>Bamra ... 5·41<br>Baramba ... Nil.<br>Baud ... 3·43<br>Bonai ... 11·45<br>Daspalla ... 1·27<br>Dhenkanal ... 0·94<br>Gangpur ... 2·48<br>Hindol ... 1·21<br>Kalahandi ... 2·10<br>Keonjhar ... 5·03<br>Khandpara ... Nil.<br>Mayurbhanj ... 6·52<br>Narsinghpur ... 0·39<br>Nayagarh ... 2·93<br>Nilgiri ... 4·63<br>Pal-Lahara ... ...<br>Patna ... 1·73<br>Rairakhol ... 2·74<br>Ranpur ... 0·20<br>Sonpur ... 2·90<br>Talcher ... 1·64<br>Tigiria ... Nil.<br>Weather seasonable. Weeding continuing in Baud, Daspalla, Dhenkanal, Narsinghpur and in some places of Hindol. Harvesting of *beali* paddy in progress in Athmallik, Bonai, Gangpur, Kalahandi, Nilgiri and Rairakhol. Estimated outturn of *beali* paddy, 8 to 10 annas in Hindol and Baramba, 12 annas in Athmallik, 14 annas in Mayurbhanj, 15 annas in Athgarh and 16 annas in Nilgiri and Dhenkanal. State of standing crops good, but rain wanted in Athmallik, Baramba, Dhenkanal, Hindol, Khandpara and Narsinghpur. Prospects good. Fodder and water sufficient. During the week price of rice fallen in 4 and risen in 1 State and stationary in the remaining States: price varying from 12 seers in Tigiria, Narsinghpur and Khandpara and 13½ seers in Athmallik to 17 seers in Athgarh and Patna and 20 seers in Talcher, Kalahandi and Bonai. |

* The report is for the week ending the 25th September 1909.

GENERAL SUMMARY.—Rain was general all over the Province. The fall was heavy in the Bhagalpur Division and also in Birbhum, Midnapore, Muzaffarpur, Singhbhum and Cooch Behar. It was moderate in Shahabad, Champaran and in Chota Nagpur and light elsewhere. The rain has benefited the *aman* paddy and prospects of this crop are good. Some damage has been done to the crop in the flooded tracts of Midnapore, Hooghly, Howrah and Murshidabad. Sugarcane is doing well. Harvesting of the autumn crops is approaching completion. Fairly good crops have already been harvested in some districts. Injury by insect-pests is reported from Balasore and Sambalpur. The price of common rice has fallen in Burdwan, Bankura, Hooghly, Howrah, Patna, Gaya, Monghyr, Sambalpur, Palamau and in the Presidency and Tirhut Divisions and has risen slightly in Shahabad, Angul and Ranchi. Cattle-disease is reported from Burdwan, Midnapore, Hooghly, Patna, Champaran, Monghyr, Bhagalpur, Purnea, the Sonthal Parganas, Sambalpur, Hazaribagh, Palamau and from the Presidency Division, the 24-Parganas excepted. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 5th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of August 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | 3,027 | 13,248 | 2,046 | 37,245 | 999 | 5,074 | 1,777 | 15,097 | 751 | 88,883 | 381 | 5,340 |
| Kendrapara ditto ... | 2,490 | 14,428 | 36 | 47,015 | 2,159 | 12,041 | 1,838 | 15,314 | 25 | 39,432 | 1,672 | 10,488 |
| High Level, Range I | 1,224 | 4,321 | ..... | 14,461 | 711 | 2,666 | 911 | 5,951 | ..... | 24,894 | 531 | 3,365 |
| High Level, Range II | 200 | 890 | ..... | 20,788 | 41 | 263 | 201 | 1,214 | 216 | 5,958 | 44 | 301 |
| High Level, Range III | 25 | 129 | ..... | 11,230 | 5 | 74 | 29 | 90 | 246 | 4,011 | 8 | 39 |
| Jajpur Canal ... | 267 | 1,011 | 1,672 | 5,223 | 32 | 234 | 163 | 941 | 588 | 2,646 | 21 | 164 |
| Total Orissa Canals | 7,239 | 34,027 | 3,754 | 135,962 | [illegible],947 | 20,352 | 4,919 | 38,607 | 1,826 | 165,824 | 2,657 | 19,697 |
| Midnapore Canal ... | 7,318 | 39,318 | 925 | 11,157 | 3,416 | 17,969 | 9,104 | 43,368 | 1,585 | 11,145 | 3,320 | 15,645 |
| Hijili Tidal Canal ... | 9,388 | 48,800 | 200 | 2,5[illegible]0 | 5,899 | 34,187 | 4,729 | 26,386 | 50 | 1,720 | 3,130 | 19,817 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 541 | 4,777 | 10,887 | 49,093 | 470 | 5,563 | 551 | 2,747 | 31 | 286,630 | 515 | 2,647 |
| Arrah ditto ... | 321 | 906 | 4,847 | 533,266 | 354 | 2,601 | 229 | 830 | 1,000 | 613,348 | 388 | 2,235 |
| Buxar ditto ... | 118 | 1,753 | ..... | 215,767 | 92 | 1,675 | 53 | 665 | ..... | 99,509 | 53 | 731 |
| Total Sone Canals ... | 980 | 7,436 | 15,734 | 1,298,126 | 916 | 9,839 | 833 | 4,242 | 1,031 | 999,487 | 956 | 5,613 |
| Grand Total ... | 24,925 | 129,581 | 20,613 | 1,447,765 | 14,178 | 82,347 | 19,585 | 112,603 | 4,492 | 1,178,176 | 10,063 | 60,772 |

Calcutta,
*The 4th October 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of August 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 23,172 | 141,783 | 930 | 16,105 | 1[illegible],966 | 94,921 | 28,036 | 158,984 | 845 | 12,840 | 20,360 | 1,06,534 |
| Tolly's Nala ... ... | 19,591 | 97,769 | ..... | 2,475 | 7,464 | 33,008 | 25,180 | 102,118 | 94 | 4,880 | 7,674 | 31,827 |
| Madaripur Bhil Route ... | 47,6[illegible] | 78,446 | 1,391 | 1,951 | 16,612 | 26,033 | 59,050 | 72,122 | ..... | 2,694 | 20,103 | 24,956 |
| Total ... | 90,432 | 317,998 | 2,321 | 20,531 | 41,042 | 1,53,962 | 112,266 | 333,224 | 939 | 20,414 | 4[illegible],157 | 1,63,317 |
| Orissa Coast Canal ... | 3,668 | 21,878 | 705 | 16,155 | 1,273 | 7,377 | 1,734 | 11,943 | 250 | 6,770 | 894 | 5,095 |
| Nadia Rivers ... | 17,456 | 54,593 | 26,082 | 120,366 | 3,183 | 11,110 | 20,835 | 41,285 | 77,045 | 119,584 | 3,165 | 7,980 |
| Grand Total ... | 111,556 | 394,469 | 29,108 | 157,052 | 45,498 | 1,72,449 | 134,835 | 386,452 | 78,234 | 146,768 | 52,216 | 1,76,302 |

Calcutta,
*The 4th October 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 2nd October 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 2nd October 1909. | | | Week ending Saturday, the 3rd October 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 663 | 77,2[illegible]5 | 1,312 | 651 | 82,026 | 1,167 |
| Jute ... ... | 279 | 59,023* | 977 | 106 | 35,806 | 526 |
| Firewood ... ... | 49 | 51,675 | 701 | 6[illegible] | 45,2[illegible]0 | 701 |
| Other articles ... ... | 683 | 207,5[illegible] | 2,4[illegible]7 | 75[illegible] | 171,378 | 1,871 |
| Total ... | 1,674 | 395,440 | [illegible]7 | 1,571 | 334,404 | 4,265 |

* Weight by canal measurement, 66,162½ maunds.

CALCUTTA,
*The 5th October 1909.*

N. [illegible] CHATTERJI,
for *Under-Secy.* [illegible] *Govt. of Bengal.*

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF AUGUST 1909.

At the beginning of the month weather in the two provinces was affected by a depression in the Bay, which, crossing the coast on the morning of the 1st, advanced in a north-westerly direction across Orissa, giving moderate rain in Bengal and Bihar, but comparatively little elsewhere. During the first week fairly heavy rain fell in Eastern Bengal and Assam. The mean temperature at this time was everywhere in slight defect, except in Chota Nagpur. General rain continued until the 11th (accompanied by a defect in the mean temperature of 5 or 6 degrees in Bihar), when the amount received diminished somewhat. Cloud development also became reduced and the mean temperature rose. On the 18th, temperature was practically normal over the whole area, while the rainfall again became fairly general. It continued so until the end of the month, when a disturbance from Burma, passing over the head of the Bay, affected the weather in the two Provinces and subsequently in Bihar. Several heavy falls were reported on the 30th, notably 10 inches at Burdwan, 7 at Bankura, and 7 at Noakhali.

On the whole month, rainfall was 17 per cent. in defect in Orissa, 97 per cent. in excess in Bengal, and 50 per cent. in excess in Chota Nagpur. Humidity and mean temperature were not far from normal at most stations.

*Summary of temperature.*—The highest temperature recorded was 96·6° at Daltonganj, and the lowest (69·8°) was recorded at Hazaribagh.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of August 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | *Average for month.* | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 97·3 | 73·1 | 87·4 | 77·4 | 82·4 | — 0·8 |
| Eastern Bengal, North ... ... | 95·4 | 72·8 | 87·3 | 77·6 | 82·5 | — 0·8 |
| Eastern Bengal, South ... ... | 92·1 | 73·0 | 85·4 | 76·7 | 81·1 | — 1·1 |
| Bengal ... ... ... | 94·1 | 72·8 | 88·5 | 77·5 | 83·0 | — 0·5 |
| Bihar ... ... ... | 94·3 | 71·2 | 87·8 | 77·8 | 82·9 | — 0·8 |
| Chota Nagpur* ... ... ... | 96·6 | 69·8 | [illegible] | 74·0 | 79·8 | — 0·1 |
| Orissa ... ... ... | 93·6 | 73·6 | [illegible] | 78·2 | 83·8 | — 0·2 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province:—

*Actual and average rainfall and departure from normal for the month of August 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... | Rampur Boalia ... | 16·57 | 10·75 | + 5·82 |
| | Malda ... | Malda ... | 14·29 | 10·27 | + 4·02 |
| | Dinajpur ... | Dinajpur ... | 14·27 | 13·48 | + 0·79 |
| | Jalpaiguri ... | Jalpaiguri ... | 22·79 | 24·81 | — 2·02 |
| | Cooch Behar ... | Cooch Behar ... | 19·80 | 20·45 | — 0·65 |
| | Rangpur ... | Rangpur ... | 22·12 | 13·02 | + 9·10 |
| | Bogra ... | Bogra ... | 18·33 | 12·08 | + 6·25 |
| | Pabna ... | Sirajganj ... | 19·20 | 10·86 | + 8·34 |
| Eastern Bengal, South. | Dacca ... | Narayanganj ... | 23·04 | 12·50 | +10·54 |
| | Mymensingh ... | Mymensingh ... | 25·51 | 14·70 | +10·81 |
| | Faridpur ... | Faridpur ... | 27·26 | 12·08 | +15·18 |
| | Backergunge ... | Barisal ... | 32·65 | 12·87 | +19·78 |
| | Tippera ... | Comilla ... | 38·51 | 15·80 | +22·71 |
| | Noakhali ... | Noakhali ... | 62·38 | 23·94 | +38·44 |
| | Chittagong ... | Chittagong ... | 45·91 | 19·99 | +25·92 |
| | | Cox's Bazar ... | 46·55 | 27·64 | +18·91 |
| Bengal ... | Burdwan ... | Burdwan ... | 33·98 | 11·49 | +22·49 |
| | | Raniganj ... | 15·53 | 13·01 | + 2·52 |
| | Bankura ... | Bankura ... | 24·76 | 11·58 | +13·18 |
| | Midnapore ... | Midnapore ... | 20·56 | 12·14 | + 8·42 |
| | 24-Parganas ... | Saugor Island ... | 13·93 | 15·18 | — 1·25 |
| | Calcutta ... | Calcutta ... | 15·17 | 12·69 | +2·48 |
| | Nadia ... | Krishnagar ... | 28·12 | 10·25 | +17·87 |
| | Murshidabad ... | Berhampore ... | 28·38 | 10·98 | +17·40 |
| | Jessore ... | Jessore ... | 29·36 | 11·22 | +18·14 |
| Bihar ... | Patna ... | Bankipore ... | 15·11 | 10·72 | + 4·39 |
| | Gaya ... | Gaya ... | 15·97 | 11·08 | + 4·89 |
| | Shahabad ... | Dehri ... | 7·71 | 12·92 | — 5·21 |
| | | Buxar ... | 10·19 | 11·03 | — 0·84 |
| | | Arrah ... | 7·23 | 10·50 | — 3·27 |
| | Saran ... | Chapra ... | 9·82 | 9·73 | + 0·09 |
| | Champaran ... | Motihari ... | 18·31 | 12·24 | + 6·07 |
| | Muzaffarpur ... | Muzaffarpur ... | 18·48 | 10·60 | + 7·88 |
| | Darbhanga ... | Darbhanga ... | 11·20 | 12·24 | — 1·04 |
| | Monghyr ... | Monghyr ... | 16·48 | 11·03 | + 5·45 |
| | Bhagalpur ... | Bhagalpur ... | 12·00 | 11·26 | + 0·74 |
| | Purnea ... | Purnea ... | 10·10 | 13·90 | — 3·80 |
| | Sonthal Parganas | Naya Dumka ... | 19·97 | 13·41 | + 6·56 |
| | Darjeeling ... | Darjeeling ... | 26·10 | 25·98 | + 2·12 |
| Chota Nagpur ... | Hazaribagh ... | Hazaribagh ... | 19·37 | 12·72 | + 6·65 |
| | Ranchi ... | Ranchi ... | 13·88 | 11·97 | + 1·91 |
| | Singhbhum ... | Chaibassa ... | 20·11 | 13·11 | + 7·00 |
| | Palamau ... | Daltonganj ... | 7·53 | 12·11 | — 4·58 |
| | Manbhum ... | Purulia ... | 13·52 | 12·28 | + 1·24 |
| Orissa ... | Sambalpur ... | Sambalpur ... | 12·15 | 16·39 | — 4·24 |
| | Angul ... | Angul ... | 7·06 | 10·01 | — 2·95 |
| | Cuttack ... | Cuttack ... | 12·85 | 12·42 | + 0·43 |
| | [illegible] ... | False Point ... | 9·32 | 13·91 | — 4·59 |
| | [illegible] ... | Balasore ... | 12·23 | 12·27 | — 0·04 |
| | [illegible] ... | Puri ... | 5·07 | 11·60 | — 6·53 |

METEOROLOGICAL OFFICE, BENGAL,
*The 5th October 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 26th September to 2nd October 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb | Hygrometry. Vapour tension. | Hygrometry. Dew point | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rain. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | | | | Inches | |
| Sept. | 26th | 145·0 | 7·5 | 29·685 | 85·0 | 90·7 | 10·8 | 79·9 | 80·2 | 0·979 | 78·6 | 82 | SW by W and SSW. | 139 | Nil | Partially cloudy, o. |
| " | 27th | 147·6 | 4·9 | ·729 | 84·8 | 90·0 | 9·9 | 80·1 | 80·6 | 1·009 | 79·5 | 87 | SW, SSW and S by E. | 102 | Nil | Partially cloudy, o. |
| " | 28th | 150·9 | 6·2 | ·725 | 83·2 | 88·7 | 10·5 | 78·2 | 78·9 | 0·937 | 77·3 | 83 | S by E and SSE. | 84 | Nil | Partially cloudy, o. |
| " | 29th | 140·4 | 3·2 | ·619 | 81·7 | 83·7 | 9·4 | 77·3 | 77·4 | ·906 | 76·3 | 88 | SSE ... | 95 | Nil | Partially cloudy, d. |
| " | 30th | 126·6 | 0·5 | ·620 | 81·5 | 84·6 | 6·1 | 78·5 | 79·4 | ·975 | 78·5 | 89 | SSE and SW by S. | 86 | 0·04 | Chiefly cloudy, o, d. |
| Oct. | 1st | 138·9 | 1·1 | ·758 | 82·3 | 87·7 | 9·9 | 77·8 | 78·4 | 1·009 | 79·5 | 89 | SW, S by E and WNW. | 70 | 0·09 | Chiefly cloudy, o, d. |
| " | 2nd | 147·9 | 3·4 | ·825 | 83·0 | 88·9 | 10·8 | 78·1 | 78·6 | 0·959 | 78·0 | 90 | WNW, SE by S. | 46 | Nil | Partially cloudy, o, d. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·709 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·748 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 26·8 |
| The maximum possible number of hours of sunshine ... ... ... | 83·6 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 83·0 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 83·3 |
| The extreme variation of temperature ... ... ... | 13·4 |
| The maximum temperature ... ... ... ... ... | 90·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 10 |
| | % |
| The mean relative humidity ... ... ... ... | 87 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 84 |
| | Inches. |
| The total fall of rain from 26th September to 2nd October 1909 ... ... | 0·13 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 1·61 |
| The total fall from 1st January to 2nd October 1909 ... ... ... | 67·69 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 59·16 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling rain.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 4th October 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried over the East Indian Railway during the month of June 1909 as compared with the same period of 1909.*

| Staples. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... ... | 212 | 228 | 16 | ..... |
| Coal and coke carried for the public and foreign railways ... ... ... ... ... | 688,927 | 495,236 | ..... | 193,691 |
| *Cotton*— | | | | |
| (1) Raw ... ... ... ... ... | 5,052 | 872 | ..... | 4,180 |
| (2) Manufactured— | | | | |
| (a) Twist and Yarn, European ... ... | 20 | 75 | 55 | ..... |
| (b) Ditto, Indian ... ... ... | 1,603 | 800 | ..... | 803 |
| (c) Piece-goods, European ... ... ... | 3,324 | 4,414 | 790 | ..... |
| (d) Ditto, Indian ... ... ... | 420 | 543 | 123 | ..... |
| (e) Others ... ... ... ... ... | 472 | 70 | ..... | 402 |
| Chemicals, excepting saltpetre ... ... .. | 584 | 841 | 257 | ..... |
| *Drugs*— | | | | |
| 1.—Intoxicating, other than opium ... | 21 | 20 | ..... | 1 |
| 2.—Non-intoxicating— | | | | |
| (a) Medicinal preparations ... ... | ..... | 175 | 175 | ..... |
| (b) Others ... ... ... ... | 247 | 97 | ..... | 150 |
| *Dyes and Tans*— | | | | |
| 1.—Alizarine and aniline dyes ... ... | 29 | 9 | ..... | 20 |
| 2.—Cutch ... ... ... ... ... ... | 192 | 181 | ..... | 11 |
| 3.—Indigo ... ... ... ... ... ... | 8 | 19 | 11 | ..... |
| 4.—Myrabolams ... ... ... ... ... | 466 | 575 | 109 | ..... |
| 5.—Tanning barks ... ... ... ... | 420 | 520 | 100 | ..... |
| 6.—Turmeric ... ... ... ... ... | 726 | 714 | ..... | 12 |
| 7.—Others ... ... ... ... ... ... | 799 | 541 | ..... | 258 |
| *Fodder*— | | | | |
| 1.—Oilcake ... ... ... ... ... | 7,015 | 9,648 | 1,733 | ..... |
| 2.—Hay, straw and grass ... ... ... | 3,200 | 2,106 | ..... | 1,094 |
| Fruits and vegetables, fresh ... ... ... | 2,170 | 1,711 | ..... | 459 |
| *Grain and Pulse*— | | | | |
| 1.—Gram and pulse ... ... ... ... | 40,103 | 20,228 | ..... | 19,875 |
| 2.—Jowar and bajra ... ... ... ... | 2,735 | 5,073 | 2,338 | ..... |
| 3.—Rice in the husk ... ... ... ... | 3,508 | 14,766 | 11,258 | ..... |
| 4.—Rice not in the husk ... ... ... | 29,074 | 52,343 | 23,269 | ..... |
| 5.—Wheat ... ... ... ... ... ... | 19,216 | 40,535 | 21,319 | ..... |
| 6.—Wheat flour ... ... ... ... ... | 3,438 | 2,726 | ..... | 712 |
| 7.—Others ... ... ... ... ... ... | 7,288 | 5,519 | ..... | 1,769 |
| *Hides and Skins*— | | | | |
| 1.—Hides of cattle— | | | | |
| (a) Dressed or tanned ... ... .. | 1,757 | 93 | ..... | 1,664 |
| (b) Raw ... ... ... ... ... | ..... | 738 | 738 | ..... |
| 2.—Skins of sheep, &c.— | | | | |
| (a) Dressed or tanned ... ... .. | ..... | 41 | 41 | ..... |
| (b) Raw ... ... ... ... ... | 990 | 599 | ..... | 391 |
| Horns ... ... ... ... ... ... | 82 | 24 | ..... | 58 |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... ... ... ... | 3,888 | 2,432 | ..... | 1,456 |
| *Jute*— | | | | |
| 1.—Raw ... ... ... ... ... ... | 3,242 | 1,700 | ..... | 1,542 |
| 2.—Gunny-bags and cloth ... ... ... | 696 | 6,892 | 6,196 | ..... |
| Lac ... ... ... ... ... ... | 5,113 | 4,904 | ..... | 209 |
| *Leather*— | | | | |
| 1.—Unwrought ... ... ... ... ... | 156 | 222 | 66 | ..... |
| 2.—Wrought, excepting boots and shoes ... | 80 | 505 | 475 | ..... |
| *Liquors*— | | | | |
| 1.—Ale and Beer ... ... ... ... ... | 627 | 646 | 19 | ..... |
| 2.—Spirits and wines of all kinds, including country spirits ... ... ... | 242 | 385 | 143 | ..... |
| (b) other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | 27 | 17 | ..... | 10 |
| *Metals*— | | | | |
| 1.—Brass, unwrought ... ... ... ... | 85 | 184 | 99 | ..... |
| 2.—Do., manufactures ... ... ... | 576 | 676 | 100 | ..... |
| 3.—Copper, unwrought ... ... ... | 6 | 1 | ..... | 5 |
| 4.—Do., manufactures ... ... ... | 67 | 158 | 91 | ..... |
| 5.—Iron and steel— | | | | |
| (1) Unwrought (dust, slag, pig and old for remanufacture) ... ... | 2,631 | 3,958 | 1,327 | ..... |
| (2) Wrought— | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel ... ... ... | 4,563 | 6,226 | 1,663 | ..... |
| (b) Machinery and mill work ... | 1,256 | 520 | ..... | 736 |
| (c) Other manufactures, including hardware and cutlery ... | 2,660 | 3,404 | 744 | ..... |
| 6.—Metallic ores ... ... ... ... ... | 2,347 | 1,996 | ..... | 351 |
| 7.—Others ... ... ... ... ... ... | 1,229 | 357 | ..... | 872 |
| Mineral substances— | | | | |
| 1.—Marble and stone ... ... ... ... | 20,175 | 22,378 | 2,203 | ..... |
| 2.—Chalk and lime ... ... ... ... | 14,227 | 11,787 | ..... | 2,440 |
| 3.—Others ... ... ... ... ... | 134 | 308 | 174 | ..... |
| *Oils*— | | | | |
| 1.—Kerosine ... ... ... ... ... | 12,931 | 9,711 | ..... | 3,220 |
| 2.—Castor ... ... ... ... ... ... | 123 | 439 | 316 | ..... |
| 3.—Cocoanut ... ... ... ... ... | 84 | 394 | 310 | ..... |
| 4.—Mustard and rape ... ... ... ... | 626 | 499 | ..... | 127 |
| 5.—Others ... ... ... ... ... ... | 376 | 355 | ..... | 21 |
| *Oilseeds*— | | | | |
| 1.—Castor ... ... ... ... ... ... | 3,214 | 4,689 | 1,475 | ..... |
| 2.—Earthnuts ... ... ... ... ... | 543 | 48 | ..... | 495 |
| 3.—Linseed ... ... ... ... ... | 24,783 | 17,717 | ..... | 7,066 |
| 4.—Poppy ... ... ... ... ... ... | 4,690 | 4,070 | ..... | 620 |
| 5.—Rape and mustard ... ... ... ... | 13,675 | 18,402 | 4,727 | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 42 | 704 | 662 | ..... |
| 7.—Others ... ... ... ... ... ... | 1,693 | 1,296 | ..... | 397 |
| Opium ... ... ... ... ... ... | 146 | 243 | 97 | ..... |
| Paper and pasteboard ... ... ... ... | 1,154 | 1,312 | 158 | ..... |

| Staples. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| *Provisions*— | | | | |
| 1.—Dried fruits and nuts ... ... ... | 460 | 297 | ..... | 163 |
| 2.—Ghee ... ... ... ... ... ... | 1,196 | 1,749 | 553 | ..... |
| 3.—Potatoes ... ... ... ... ... | 4,064 | 5,006 | 942 | ..... |
| 4.—Others ... ... ... ... | 4,890 | 4,460 | ..... | 430 |
| *Railway plant & rolling-stock carried for the public & foreign railways*— | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... ... ... | 54 | 3 | ..... | 51 |
| 2.—Carriages and trucks and parts thereof | 2 | 138 | 136 | ..... |
| 3.—Materials— | | | | |
| (a) Steel rails and fish-plates ... | 119 | 7,229 | 7,110 | ..... |
| (b) Sleepers and keys of steel and cast-iron ... ... ... ... | 16 | 6 | ..... | 10 |
| (c) Others ... ... ... | 16,414 | 35,485 | 19,071 | ..... |
| Salt ... ... ... ... ... ... ... | 32,710 | 33,850 | 1,140 | ..... |
| *Saltpetre and other saline substances*— | | | | |
| 1.—Saltpetre ... ... ... ... ... | 2,455 | 2,884 | 429 | ..... |
| 2.—Other saline substances ... ... ... | 2,469 | 1,702 | ..... | 567 |
| Silk— | | | | |
| 1.—*Raw*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 46 | 14 | ..... | 32 |
| 2.—*Piece-goods*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 2 | 4 | 2 | ..... |
| *Spices*— | | | | |
| 1.—Betelnuts ... ... ... ... ... | 1,260 | 1,038 | ..... | 222 |
| 2.—Cardamoms ... ... ... ... ... | 34 | 48 | 14 | ..... |
| 3.—Chillies ... ... ... ... ... | 922 | 529 | ..... | 393 |
| 4.—Ginger ... ... ... ... ... | 56 | 46 | ..... | 10 |
| 5.—Pepper ... ... ... ... ... | 199 | 77 | ..... | 122 |
| 6.—Others ... ... ... ... ... | 1,242 | 1,715 | 473 | ..... |
| *Sugar*— | | | | |
| 1.—Refined or crystallized including sugarcandy ... ... ... ... | 6,382 | 5,920 | ..... | 462 |
| 2.—Unrefined— | | | | |
| (a) Sugar ... ... ... ... ... | 2,801 | 14,334 | 11,533 | ..... |
| (b) *Gur*, [illegible], jaggree, molasses and other saccharine produce ... | 7,113 | 18,401 | 11,288 | ..... |
| *Tea*— | | | | |
| 1.—Foreign ... ... ... ... ... | ..... | ..... | ..... | ..... |
| 2.—Indian ... ... ... ... ... | 162 | 169 | 7 | ..... |
| Tobacco— | | | | |
| 1.—Unmanufactured ... ... ... ... | 7,069 | 3,439 | ..... | 3,630 |
| 2.—Manufactured— | | | | |
| (a) Cigar ... ... ... ... ... | ..... | 13 | 13 | ..... |
| (b) Other sorts ... ... ... ... | ..... | 1,435 | 1,435 | ..... |
| *Wood*— | | | | |
| 1.—Timber, unwrought ... ... ... | 829 | 799 | ..... | 30 |
| 2.—Manufactures ... ... ... ... | 1,001 | 950 | ..... | 51 |
| *Wool*— | | | | |
| 1.—Raw ... ... ... ... ... ... | 260 | 173 | ..... | 87 |
| 2.—Manufactured— | | | | |
| (a) Carpets and rugs ... ... ... | 65 | 59 | ..... | 6 |
| (b) Piece-goods, European ... ... | 1 | 36 | 35 | ..... |
| (c) Ditto, Indian ... ... | 31 | 10 | ..... | 21 |
| (d) Other sorts of manufactures ... | 135 | 20 | ..... | 115 |
| All other articles of merchandise— | | | | |
| 1.—Bones ... ... ... ... ... ... | 3,445 | 7,889 | 4,444 | ..... |
| 2.—Firewood ... ... ... ... ... | 6,182 | 6,793 | 611 | ..... |
| 3.—Indigo seed ... ... ... ... ... | 61 | 124 | 63 | ..... |
| 4.—Paints and colours ... ... ... ... | 102 | 181 | 79 | ..... |
| 5.—Seeds other than oilseeds ... ... ... | 91 | [illegible] | 511 | ..... |
| 6.—Others ... ... ... ... ... ... | 13,961 | [illegible] | ..... | 12,385 |
| Total ... | 1,071,552 | 950,538 | [illegible] | 121,014 |
| Military stores ... ... ... ... ... | 1,143 | 3,208 | [illegible] | [illegible] |
| Coal for railways ... ... ... ... ... | 146,240 | 103,632 | [illegible] | 42,608 |
| Railway materials ... ... ... ... ... | 75,159 | 53,187 | ..... | 21,971 |
| Live-stock ... ... ... ... ... | No. 20,282 | No. 17,775 | ..... | No. 2,507 |
| Total ... | 1,294,093 | 1,110,565 | ..... | 183,528 |

H. G. EMMERSON,
for *Chief Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 29th September 1909.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 18th September 1909 on 2,[illegible]·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| | | (a) | | (b) | | | | | |
| Total traffic for the week ... | 473,012 | 3,71,938 0 0 | 50,92.172 0 | 9,19,116 0 0 | 48,000 0 0 | 13,39 054 0 0 | 159,225 | 171,779 | 331,004 |
| Or per mile of railway ... ... | ... | 1[illegible]2 3 8 | ... | 400 14 4 | 20 15 0 | 584 1 0 | ... | ... | .. |
| For previous 10½ weeks of half-year | 5,170,311 | 43,53,020 0 0 | 5,81,33,439 0 | 88,76,320 0 0 | 4,90,514 0 0 | 1,37,19,854 0 0 | 1,662,416 | 1,734,116 | 3,396,532 |
| Total for 11½ weeks ... | 5,644,223 | 47,24,958 0 0 | 6,41,25,611 0 | 97,95,436 0 0 | 5,38,514 0 0 | 1,50,58,908 0 0 | 1,821,641 | 1,905,895 | 3,727,536 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 486,167 | 4,36,699 1 8 | 69,90,082 30 | 10,12,367 12 9 | 50,953 6 4 | 15,00,020 4 9 | 160,641 | 204,143 | 364,784 |
| Per mile of railway corresponding week of previous year ... | ... | 190 8 0 | ... | 441 10 0 | 22 3 7 | 654 5 7 | . | ... | .. |
| Total for corresponding 11½ weeks of previous year ... ... ... | 5,867,102 | 48,90,275 8 3 | 8,36,19,719 30 | 1,21,09,393 6 5 | 4,93,115 14 7 | 1,74,92,783 13 3 | 1,855,280 | 2,519,497 | 4,374,777 |

(a) The decrease is due to "*Pitripukha Mela*" and Durga Puja holiday concession in the corresponding period of 1908.
(b) The decrease is chiefly in coal.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·37 | First 10 days of July ... | 798,998 | 6,33,303 | 88,76,828 | 14,23,329 | 67,[illegible] | 21,23,227 | 926 | 429,773 | 4 5 4 |
| 2,292·37 | Week ended 17th ,, ... | 592,716 | 4,11,780 | 54,45,775 | 8,93,870 | 44,177 | 13,49,827 | 589 | 339,868 | 3 15 8 |
| 2,292·37 | ,, ,, 24th ,, ... | 473,208 | 3,95,111 | 55,87,281 | 8,72,587 | 47,157 | 13,14,855 | 574 | 325,060 | 4 0 9 |
| 2,292·37 | ,, ,, 31st ,, ... | 492,687 | 4,15,193 | 52,90,235 | 8,00,609 | 47,157 | 12,63,019 | 551 | 317,409 | 3 15 8 |
| 2,292·37 | ,, ,, 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,203 | 4,98,496 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,244 | 47,157 | 12,27,302 | 535 | 318,498 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | 463,001 | 3,86,319 | 60,37,455 | 8,79,913 | 47,157 | 13,13,389 | 573 | 340,509 | 3 15 7 |
| 2,292·65 | ,, ,, 4th Sept. ... | 487,154 | 3,86,277 | 51,74,654 | 7,58,688 | 48,000 | 11,92,965 | 520 | 316,835 | 3 12 3 |
| 2,292·65 | ,, ,, 11th ,, ... | 468,257 | 3,89,830 | 57,18,019 | 8,66,472 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292,65 | ,, ,, 18th ,, ... | 473,912 | 3,71,938 | 59,92,172 | 9,19,116 | 48,000 | 13,39,054 | 584 | 331,004 | 4 0 9 |
| | Totals up to date ... | 5,644,223 | 47,24,958 | 6,41,25,611 | 97,95,436 | 5,38,514 | 1,50,58,908 | 575 | 3,727,536 | 4 0 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | First 11 days of July ... | 906,860 | 7,04,6[illegible] | 1,08,88,329 | 18,67,498 | 55,759 | 24,27,792 | 1,059 | 597,554 | 4 1 0 |
| 2,292·38 | Week ended 18th ,, ... | 519,876 | 4,37,456 | 68,40,536 | 10,03,384 | 42,342 | 14,89,182 | 650 | 395,907 | 3 13 9 |
| 2,292·38 | ,, ,, 25th ,, ... | 506,317 | 4,55,341 | 76,08,996 | 10,44,843 | 45,468 | 15,45,652 | 674 | 377,627 | 4 1 6 |
| 2,292·38 | ,, ,, 1st Aug. ... | 497,536 | 4,13,[illegible] | 69,17,570 | 10,02,347 | 42,671 | 15,48,434 | 675 | 380,887 | 4 1 1 |
| 2,292·38 | ,, ,, 8th ,, ... | 567,181 | 4,[illegible]601 | 67,89,405 | 10,53,817 | 45,693 | 15,47,901 | 675 | 376 096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,550 | 9,92,535 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 463,462 | 3,89,030 | 84,46,451 | 10,43,697 | 41,727 | 14,80,654 | 646 | 374,6[illegible]3 | 3 15 3 |
| 2,292·38 | ,, ,, 29th ,, ... | 444,[illegible] | 3,81,500 | 76,35,936 | 10,80,203 | 45,859 | 14,87,565 | 649 | 382,512 | 3 14 3 |
| 2,292·38 | ,, ,, 5th Sept. ... | [illegible] | 3,84,177 | 77 38,151 | 11,07,784 | 42,367 | 15,84,328 | 669 | 380,529 | 4 0 6 |
| 2,292·38 | ,, ,, 12th ,, | [illegible] | 4,24,069 | 6[illegible],17,422 | 9,99,004 | 39,054 | 14,62,127 | 638 | 375,839 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, | [illegible] | 4,36,699 | 69,90,083 | 10,12,368 | 50,954 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| | Totals up to date ... | 5,867,10[illegible] | 48,90,275 | 8,36,19,730 | 1,21,09,393 | 4,93,116 | 1,74,92,784 | 659 | 4,374,777 | 4 0 0 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 18th September 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 23,817 | 4,068 0 0 | 33,474 0 | 818 0 0 | 14 0 0 | 5,495 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 210 2 10 | ..... | 36 9 8 | 0 10 1 | 247 6 7 | ..... | ..... | ..... |
| For previous 10½ weeks of half-year | 215,948 | 48,943 0 0 | 1,31,468 0 | 4,648 0 0 | 130 0 0 | 53,721 0 0 | 13,989 | 1,631 | 15,620 |
| Total for 11½ weeks ... | 239,765 | 53,611 0 0 | 1,64,942 0 | 5,461 0 0 | 144 0 0 | 59,216 0 0 | 15,326 | 1,790 | 17,116 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 19,895 | 4,015 4 5 | 1,43,288 10 | 1,113 13 0 | 3 14 9 | 5,133 0 5 | 1,375 | 121 | 1,496 |
| Per mile of railway corresponding week of previous year. | ..... | 183 12 7 | ..... | 50 2 5 | 0 2 10 | 231 1 10 | ..... | ..... | ..... |
| Total for corresponding 11½ weeks of previous year. | 261,644 | 60,182 9 0 | 4,23,541 30 | 5,464 2 0 | 80 1 6 | 65,726 12 6 | 15,778 | 1,969 | 17,747 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | First 10 days of July ... | 39,186 | 9,346 | 14,902 | 647 | 14 | 10,007 | 450 | 2,112 | 4 11 10 |
| 22·21 | Week ended 17th " ... | 26,503 | 5,105 | 11,793 | 400 | 10 | 5,665 | 255 | 1,496 | 3 12 7 |
| 22·21 | " " 24th " ... | 19,924 | 4,350 | 12,078 | 476 | 13 | 4,845 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 31st " ... | 18,256 | 4,061 | 13,809 | 419 | 13 | 4,393 | 198 | 1,540 | 2 13 8 |
| 22·21 | " " 7th Aug. ... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| 22·21 | " " 14th " ... | 18,326 | 4,077 | 8,344 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| 22·21 | " " 21st " ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,496 | 2 13 0 |
| 22·21 | " " 28th " ... | 17,599 | 3,348 | 8,694 | 357 | 13 | 3,718 | 167 | 1,496 | 2 7 9 |
| 22·21 | " " 4th Sept. ... | 16,886 | 5,270 | 6,613 | 231 | 14 | 5,515 | 248 | 1,496 | 3 11 0 |
| 22·21 | " " 11th " ... | 22,819 | 4,838 | 30,605 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | " " 18th " ... | 22,817 | 4,668 | 33,473 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| | Totals up to date ... | 230,765 | 53,611 | 1,64,942 | 5,461 | 144 | 59,216 | 233 | 17,116 | 3 7 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | First 11 days of July ... | 40,655 | 11,991 | 27,438 | 592 | 12 | 12,595 | 554 | 2,420 | 5 1 3 |
| 22·21 | Week ended 18th " ... | 31,932 | 7,104 | 32,764 | 798 | 9 | 7,911 | 350 | 1,496 | 5 4 7 |
| 22·21 | " " 25th " ... | 20,777 | 4,525 | 20,025 | 306 | 7 | 4,931 | 223 | 1,496 | 3 4 9 |
| 22·21 | " " 1st Aug. ... | 19,749 | 4,482 | 19,066 | 358 | 3 | 4,843 | 218 | 1,496 | 3 3 10 |
| 22·21 | " " 8th " ... | 21,596 | 5,738 | 54,740 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | " " 15th " ... | 23,856 | 5,600 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | " " 22nd " ... | 16,105 | 3,729 | 6,289 | 269 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | " " 29th " ... | 17,754 | 3,824 | 9,790 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | " " 5th Sept. ... | 18,609 | 4,855 | 46,891 | 552 | 5 | 5,412 | 244 | 1,678 | 3 3 7 |
| 22·21 | " " 12th " ... | 21,717 | 4,610 | 41,750 | 477 | 8 | 5,101 | 230 | 1,522 | 3 5 8 |
| 22·21 | " " 19th " ... | 19,895 | 4,015 | 1,48,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| | Totals up to date ... | 2,[illegible],614 | 60,182 | 4,22,542 | 5,464 | 81 | 65,727 | 256 | 17,747 | 3 11 3 |

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 18th September 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 25,663 | 22,115 0 0 | 1,34,563 0 | 11,881 0 0 | 119 0 0 | 34,115 0 0 | 10,213 | 2,930 | 13,143 |
| Or per mile of railway ... ... | ... | 136 3 4 | ... | 73 2 10 | 0 11 9 | 210 1 11 | ... | ... | ... |
| For previous 10½ weeks of half-year. | 302,812 | 2,45,691 0 0 | 14,81,483 0 | 1,13,281 0 0 | 1,262 0 0 | 3,60,234 0 0 | 102,948 | 31,613 | 134,561 |
| Total for 11½ weeks ... | 328,475 | 2,67,806 0 0 | 16,16,046 0 | 1,25,162 0 0 | 1,381 0 0 | 3,94,349 0 0 | 113,161 | 34,543 | 147,704 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 20,571 | 17,879 9 9 | 2,36,042 0 | 15,188 3 6 | 30 3 3 | 33,098 0 6 | 11,526 | 4,909 | 16,435 |
| Per mile of railway corresponding week of previous year ... | ... | 110 1 11 | ... | 93 8 9 | 0 3 0 | 203 13 8 | ... | ... | ... |
| Total for corresponding 11½ weeks of previous year ... | 323,249 | 2,38,585 4 7 | 24,21,914 0 | 1,67,052 6 5 | [illegible] 9 9 | 4,06,073 4 9 | 135,295 | 51,059 | 186,354 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | [illegible] | [illegible]le of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 162·36 | First 10 days of July ... | 40,127 | 33,056 | 1,58,737 | 13,444 | 200 | 47,300 | 291 | 16,326 | 2 14 4 |
| 162·36 | Week ended 17th " ... | 26,637 | 25,294 | 1,21,557 | 9,440 | 140 | 34,883 | 215 | 13,356 | 2 9 9 |
| 162·36 | " " 24th " ... | 28,008 | 22,701 | 1,31,256 | 9,073 | 114 | 32,788 | 202 | 13,043 | 2 8 1 |
| 162·36 | " " 31st " ... | 29,850 | 21,989 | 1,26,441 | 9,290 | 114 | 31,393 | 193 | 12,962 | 2 7 1 |
| 162·36 | " " 7th Aug. ... | 30,164 | 24,024 | 1,66,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | " " 14th " ... | 30,222 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | " " 21st " ... | 28,763 | 22,010 | 1,71,359 | 13,297 | 114 | 36,421 | 218 | 13,379 | 2 10 8 |
| 162·36 | " " 28th " ... | 27,948 | 22,032 | 1,38,919 | 10,639 | 114 | 32,845 | 202 | 13,254 | 2 7 8 |
| 162·36 | " " 4th Sept. ... | 26,540 | 21,019 | 1,55,032 | 11,218 | 119 | 32,356 | 199 | 12,989 | 2 7 10 |
| 162·36 | " " 11th " ... | 36,553 | 28,813 | 1,69,808 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | " " 18th " ... | 25,663 | 22,115 | 1,34,563 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| | Totals up to date ... | 328,475 | 2,67,806 | 16,16,046 | 1,25,162 | 1,381 | 3,94,349 | 213 | 147,704 | 2 10 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | First 11 days of July ... | 49,783 | 33,292 | 3,42,317 | 22,638 | 75 | 55,905 | 344 | 25,619 | 2 2 11 |
| 162·36 | Week ended 18th " ... | 31,188 | 22,691 | 2,47,807 | 14,840 | 37 | 37,568 | 231 | 16,005 | 2 5 7 |
| 162·36 | " " 25th " ... | 20,531 | 21,315 | 2,04,269 | 13,134 | 36 | 34,485 | 212 | 16,085 | 2 2 4 |
| 162·36 | " " 1st Aug. ... | 27,139 | 20,102 | 2,28,869 | 15,659 | 27 | 35,788 | 220 | 16,248 | 2 3 3 |
| 162·36 | " " 8th " ... | 31,133 | 22,625 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | " " 15th " ... | 31,051 | 22,402 | 1,73,774 | 13,198 | 32 | 35,692 | 220 | 15,581 | 2 4 8 |
| 162·36 | " " 22nd " ... | 25,944 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | " " 29th " ... | 26,843 | 18,800 | 2,47,267 | 15,761 | 38 | 34,6[illegible] | 214 | 16,218 | 2 2 3 |
| 162·36 | " " 5th Sept. ... | 27,370 | 21,032 | 1,56,969 | 12,605 | 58 | 34,095 | 210 | 15,118 | 2 1 10 |
| 162·36 | " " 12th " ... | 29,761 | 19,222 | 1,94,[illegible]27 | 14,923 | 29 | 34,170 | 211 | 15,918 | 2 2 4 |
| 162·36 | " " 19th " ... | 20,571 | 17,880 | 2,36,042 | 15,188 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| | Totals up to date ... | 323,249 | 2,38,586 | 24,21,914 | 1,67,052 | 435 | 4,06,073 | 216 | 186,354 | 2 2 10 |

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 18th September 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated) including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 55,000 | 83,000 0 0 | 404,000 0 | 62,000 0 0 | 7,500 0 0 | 1,02,500 0 0 | 13,772 | 22,380 | 36,152 |
| Or per mile of railway ... | 71·61 | 42·97 | 523·99 | 80·42 | 9·73 | 133·12 | 17 93 | 29·03 | 46·96 |
| For previous 11 weeks of half-year ... ... ... ... | 556,500 | 3,69,500 0 0 | 2,889,000 0 | 4,81,000 0 0 | 30,500 0 0 | 8,90,000 0 0 | 149,372 | 199,672 | 349,044 |
| Total for 12 Weeks ... | 611,500 | 4,02,500 0 0 | 3,293,000 0 | 5,43,000 0 0 | 47,500 0 0 | 9,92,500 0 0 | 163,144 | 222,052 | 385,196 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 51,912 | 28,706 0 0 | 392,310 0 | 54,972 0 0 | 8,715 0 0 | 92,453 0 0 | 15,102 | 20,848 | 35,950 |
| Per mile of railway corresponding week of previous year ... | 67·59 | 37·46 | 508 83 | 71·30 | 11·30 | 120·06 | 19·66 | 27·04 | 46·70 |
| Total to corresponding date of previous year ... ... ... | 566,605 | 3,35,942 0 0 | 3,287,123 0 | 5,41,670 0 0 | 52,282 0 0 | 9,29,894 0 0 | 181,361 | 229,046 | 410,407 |

FINANCIAL YEAR.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 18th September 1909. | | | Receipts for week ending 19th September 1908. | | | Total receipts from 1st April 1909 to 18th September 1909. | | | Total receipts from 1st April 1908 to 19th September 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,02,500 | 133·12 | 771 | 92,453 | 120·06 | 771 | 21,36,465 | ... | 771 | 20,31,914 | ... | 1,04,551 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 18th September 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated) including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 319,580 | (a) 1,04,220 | 681,220 | (b) 78,730 | (c) 14,890 | 1,97,820 | 58,392 | (d) 30,413 | 88,795 |
| Or per mile of railway ... ... | 171·17 | 55·85 | 364·87 | 42·17 | 7·97 | 105·99 | ..... | ..... | ..... |
| For previous 10¾ weeks of half-year (e) ... ... ... | 3,379,175 | 12,08,093 | 8,438,112 | 9,56,904 | 1,83,538 | 23,48,535 | 593,698 | 375,166 | 968,864 |
| Total for 11¾ weeks ... | 3,698,755 | 13,12,363 | 9,119,332 | 10,35,634 | 1,98,428 | 25,46,425 | 652,090 | 405,579 | 1,057,669 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 315,292 | 1,16,538 | 634,977 | 75,109 | 17,036 | 2,08,683 | 60,840 | (f) 34,918 | 95,758 |
| Per mile of corresponding week of previous year ... ... ... | 176·04 | 65·07 | 354·54 | 41·94 | 9·51 | 116·52 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 3,719,025 | 14,30,020 | 10,372,638 | 11,47,621 | 2,63,189 | 28,40,830 | 689,509 | 447,425 | 1,136,934 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 1·79 | | 2·59 | ·17 | 2·23 | | | |
| Ditto for corresponding week of previous year ... ... | | 1·92 | | 2·15 | ·18 | 2·18 | | | |

(a) Decrease in amount with slight increase in numbers is due to short lead traffic.
(b) Increase mainly under local.
(c) Decrease chiefly under steam-boat.
(d) Includes 6,202 miles of ballast trains.
(e) Ditto audited figures for the month of July 1909.
(f) Ditto 8,430 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 25th September 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 409,000 | 1,85,430 0 0 | 3,878,930 0 | 5,67,450 0 0 | 84,740 0 0 | 8,37,620 0 0 | 76,955 | (d)99,097 | 176,052 |
| Or per mile of railway ... ... | (a)304 | (a)138 0 0 | 2,591 0 | 379 0 0 | (c)41 0 0 | (c)544 0 0 | ... | ... | ... |
| For previous 13 weeks of half-year (e) ... ... ... ... | 5,088,726 | 18,99,161 0 0 | 23,209,041 0 | 36,67,844 0 0 | 3,33,722 0 0 | 59,00,727 0 0 | 878,748 | 637,990 | 1,516,738 |
| Total for 13 weeks ... | 5,497,726 | 20,84,591 0 0 | 27,087,971 0 | 42,35,294 0 0 | 4,18,462 0 0 | 67,38,347 0 0 | 955,703 | 737,087 | 1,692,790 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 411,416 | 2,20,598 0 0 | (f) 4,775,709 0 | (f) 5,13,527 0 0 | 1,31,182 0 0 | 8,65,307 0 0 | 76,271 | 83,717 | 159,988 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)335 | (b)179 0 0 | 3,749 0 | 403 0 0 | 87 0 0 | 663 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 5,666,112 | 23,00,196 0 0 | 27,825,900 0 | 38,53,315 0 0 | 4,19,762 0 0 | 64,82,263 0 0 | 936,358 | 676,139 | 1,612,497 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 22,800.
(d) Includes ballast train-miles 39,202 and earnings Rs. 20,000.
(e) Audited up to July 1909.
(f) Includes heavy adjustments for Loco. coal traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 25th September 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 42,000 | 12,460 0 0 | 155,060 0 | 9,410 0 0 | 380 0 0 | 22,250 0 0 | 5,208 | (a)4,802 | 10,010 |
| Or per mile of railway ... | 496 | 145 0 0 | 1,803 0 | 109 0 0 | 5 0 0 | 259 0 0 | ... | ... | ... |
| For previous 13 weeks of half-year (b) ... ... ... ... | 476,950 | 1,27,132 0 0 | 791,928 0 | [illegible]451 0 0 | 1,941 0 0 | 1,78,524 0 0 | 62,272 | 16,177 | 78,449 |
| Total for 13 weeks .. | 519,640 | 1,30,592 0 0 | 946,988 0 | 58,861 [illegible] | 2,321 0 0 | 2,00,774 0 0 | 67,480 | 20,979 | 88,459 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 55,396 | 16,463 0 0 | 190,827 0 | 9,720 0 0 | [illegible] 0 0 | 26,097 0 0 | 5,656 | 1,620 | 7,276 |
| Per mile of railway corresponding week of previous year ... | 644 | 191 0 0 | 2,219 0 | 113 0 0 | 10 [illegible] | 314 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 603,762 | 1,61,753 0 0 | 1,060,723 0 | 69,000 0 0 | 3,522 0 0 | [illegible]275 0 0 | 71,174 | 20,325 | 91,499 |

(a) Including ballast train-miles, 2,000 and earning[illegible]
(b) Audited up to July 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 25th September 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,810 | 1,370 0 0 | 25,220 0 | 1,610 0 0 | 10 0 0 | 2,990 0 0 | 574 | (a)5,799 | 6,373 |
| Or per mile of railway ... ... | 113 | 41 0 0 | 751 0 | 48 0 0 | ..... | 89 0 0 | ... | ... | ... |
| For previous 13 weeks of half-year (b) ... ... ... ... | 39,214 | 14,705 0 0 | 217,241 0 | 17,683 0 0 | 214 0 0 | 32,602 0 0 | 5,375 | 18,793 | 24,168 |
| Total for 13 weeks .. | 43,024 | 16,075 0 0 | 242,461 0 | 19,293 0 0 | 224 0 0 | 35,592 0 0 | 5,949 | 24,592 | 30,541 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 5,729 | 1,630 0 0 | 24,717 0 | 1,486 0 0 | 21 0 0 | 3,187 0 0 | 574 | 3,895 | 4,469 |
| Per mile of railway corresponding week of previous year ... | 171 | 50 0 0 | 736 0 | 44 0 0 | 1 0 0 | 95 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 47,403 | 18,028 0 0 | 291,85[illegible] 0 | 24,369 0 0 | 150 0 0 | 42,447 0 0 | 5,684 | 23,072 | 28,756 |

(a) Includes ballast train-miles 5,113.
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 25th September 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 13,290 | 3,600 0 0 | 72,670 0 | 3,810 0 0 | 30 0 0 | 7,440 0 0 | 1,540 | (a) 954 | 2,494 |
| Or per mile of railway ... ... | 246 | 67 0 0 | 1,346 0 | 70 0 0 | 1 0 0 | 138 0 0 | ... | ... | ... |
| For previous 12 weeks of half-year (b) ... ... ... ... | 135,355 | 39,214 0 0 | 531,544 0 | 31,234 0 0 | 285 0 0 | 70,733 0 0 | 21,010 | 6,306 | 27,316 |
| Total for 13 weeks ... | 148,645 | 42,814 0 0 | 604,214 0 | 35,044 0 0 | 315 0 0 | 78,173 0 0 | 22,550 | 7,260 | 29,810 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 10,482 | 4,772 0 0 | 102,849 0 | 4,836 0 0 | 53 0 0 | 9,661 0 0 | 2,002 | 980 | 2,982 |
| Per mile of railway corresponding week of previous year ... | 305 | 88 0 0 | 1,905 0 | 90 0 0 | 1 0 0 | 179 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 173,731 | 51,051 0 0 | 580,195 0 | 34,591 0 0 | 409 0 0 | 86,231 0 0 | 24,986 | 8,093 | 33,079 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 25th September 1909... | Coaching ... | 7,859 0 0 | 17,309 0 0 |
| | Goods ... | 9,133 0 0 | |
| | Other earnings ... | 317 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 14,684 0 0 | 24,625 0 0 |
| | Goods ... | 9,588 0 0 | |
| | Other earnings ... | 353 0 0 | |
| | Decrease ... | | 7,316 0 0 |
| Receipts per mile for the week ending 25th September 1909 ... | ... ... | | 339 6 3 |
| Ditto for the corresponding period of 1908 ... | ... ... | | 482 13 6 |
| | Decrease ... | | 143 7 3 |
| Receipts from 1st July to 25th September 1909 ... | ... ... | | 2,10,418 0 0 |
| Ditto for the corresponding period of 1908 ... | ... ... | | 2,05,204 0 0 |
| | Increase ... | | 5,214 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 6th October 1909.

REGISTERED No. C 209.]

No. 41 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, OCTOBER 13, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Participation of students and schoolboys in political agitation | 1549 |
| Preliminary Forecast of the Indian Crop in Bengal, 1909 | 1550—1553 |
| Report on the working of the steam trawler *Golden Crown* for the quarter ending September 30, 1909 | 1554—1555 |
| Monthly Weather and Crop Report of Bengal for September 1909 | 1556—1557 |
| Weather and Crop Report for the week ending the 11th October 1909 | 1558—1563 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 30th September 1909 | 1564—1571 |
| Table of Rainfall recorded at stations in Bengal in September 1909 | 1572—1579 |
| District Rainfall Table of the Province of Bengal for September 1909 | 1580—1581 |
| Area leased for Irrigation up to end of August 1909 | 1582—1583 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 9th October 1909 | 1584 |
| Vital Statistics of Districts and Towns in Bengal for the month of August 1909 | 1585—1586 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th October 1909 | 1587 |
| Railway Returns | 1588—1593 |

## PARTICIPATION OF STUDENTS AND SCHOOLBOYS IN POLITICAL AGITATION.

POLITICAL DEPARTMENT—POLITICAL.

*Dated Darjeeling the 7th October 1909.*

RESOLUTION No. 2126-P.D.

By Resolution No. 2493-P., dated the 31st July 1909, which was published a few days before the celebration of the anniversary of the Boycott, His Honour the Lieutenant-Governor invited the special attention of the Heads of Colleges and Schools and of all parents and guardians to the inexpediency of permitting students and schoolboys to take part in such gatherings. His Honour expressed the opinion that it was most undesirable that immature minds should be subjected to the excitement and disturbance which are inseparable from political agitation, and he appealed to all who are responsible for the education and behaviour of students and schoolboys to use their influence to induce them to abstain from taking part in, or from being present at, any form of political demonstration.

Sir Edward Baker desires to acknowledge the response which was made to this expression of his views, for the anniversary celebration of the Boycott was attended by a smaller number of students than on previous occasions. It is now again announced that political meetings will be held in connection with the anniversary of the Partition of Bengal, and His Honour desires again to invoke the attention of all responsible persons to the subject, and trusts that on this occasion also they will similarly use their influence with the students and schoolboys in whom they are interested. His Honour ventures to hope that further reflection during the interval since the previous resolution was published, may have produced a still more general and complete agreement with his views and that students will be even less in evidence at the forthcoming political meetings.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Chief Secretary to the Government of Bengal.*

## PRELIMINARY FORECAST OF THE INDIGO CROP IN BENGAL, 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 11th October 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### PRELIMINARY FORECAST OF THE INDIGO CROP IN BENGAL, 1909.

(On an average of the five years ending 1907-1908 the area under indigo in the territory to which this forecast relates has represented some 37 per cent., of the total area under indigo in British India.)

*Explanatory.*—With the exception of a few acres in Nadia and Jessore, indigo is grown only in Bihar districts and of these only Champaran, Muzaffarpur, Darbhanga and Purnea have over 10,000 acres under this crop.

*Character of the season.*—The season has been unfavourable. Owing to want of rain in the beginning of the year the February sowings were unsuccessful. In March and April the season was better, but the long hot spell in May was very bad for the crop. When the rain came in June it was too plentiful in many districts and the heavy rains in the last two weeks of August made the situation worse.

*Area.*—The area is steadily decreasing. This year it is estimated at 107,700 acres which is 28,000 acres less than last year and nearly 40,000 acres less than 1907.

*Outturn.*—The outturn in Muzaffarpur is estimated at 88 per cent. of a normal crop and the outturn in Saran is estimated at 90 per cent., in Champaran and Darbhanga at 72 per cent., and Purnea only 23 per cent. The estimated outturn for North Bihar including Monghyr is 78 per cent., and for the other minor districts 44 per cent. The aggregate for the province is 70 per cent. The outturn for the Province is estimated at 20,179 factory maunds, a decrease of over 6,000 maunds from the figures of last year.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

CALCUTTA,
*The 1st October 1909.*

## *Preliminary Forecast of the Indigo Crop of Bengal, 1909.*

| DISTRICT. | Total area of the district in acres. | Total area estimated to be under cultivation in acres. | Approximate area sown last year (1908) in acres. | Estimated area sown this year (1909) in acres. | Taking 100 to represent the normal outturn per acre, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn per acre, how much will represent this year's outturn (1909)? | FIGURES FROM THE CADASTRAL SURVEY. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place | Area found under this crop during the cadastral survey. | Date on which the sowing of the crop was begun this year. | Brief remarks as to the weather and general condition of the crop and whether the date of sowing was this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | | | | | | Acres. | | Acres. | | | |
| Nadia ... ... | 1,757,520 | 1,043,500 | 1,000 | 1,400 | 75 | 75 | Not cadastrally surveyed. | | ... | Middle of October. | The general condition of the crop is fair. The date of sowing was normal. | |
| Jessore .. | 1,872,153 | 1,191,000 | 200 | 100 | 25 | 15 | ... | ... | ... | 10th April ... | The sowing was early. The heavy rains have damaged the crop. The outturn is therefore poor. | |
| Gaya ... ... | 3,015,680 | 2,118,100 | 100 | 100 | 80 | 100 | 517,900 | 1893 to 1895 and 1901 to 1902 and 1907 to 1908. | 1 | 15th March | The weather was not favourable. The general condition of the crop is good. The date of sowing was normal. | |
| Shahabad ... | 2,860,843 | 1,843,600 | 600 | 800 | 75 | 65 | ... | ... | ... | 15th March and 20th September. | The date of sowing was normal this year. The prospect of the crop at the Sasaram subdivision appears to be poor owing to unfavourable weather. | |
| Saran .. ... | 1,711,286 | 1,337,200 | 9,300 | [illegible] | 75 | 97 | 1,633,435 | 1893 to 1901 | 45,513 | February ... | The weather was seasonable. The general condition of the crop is good. The date of sowing was normal. | |

| District. | Total area of the district in acres. | Total area estimated to be under cultivation in acres. | Approximate area sown last year (1908) in acres. | Estimated area sown this year (1909) in acres. | Taking 100 to represent the normal outturn per acre, how much will represent the outturn last year (1908)? | Taking 100 to represent the normal outturn per acre, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date on which the sowing of the crop was begun this year. | Brief remarks as to the weather and general condition of the crop and whether the date of sowing was this year early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | | | | | | | Acres. | | Acres. | | | |
| Champaran ... | 2,259,840 | 1,447,600 | 47,400 | 36,000 | 68 | 72 | 2,259,840 | 1892 to 1899. | 96,000 | Middle of March. | The decrease in the area sown this year as compared with that of last year is due to insufficient moisture for the spring sowings of Sumatra seed. | |
| Muzaffarpur ... | 1,942,400 | 1,627,700 | 26,300 | 20,000 | 102 | 88 | 1,942,400 | 1892-93 to 1898-99. | 33,988 | February ... | The decrease in the area sown this year is due to insufficient moisture for the spring sowings of Sumatra seed. | |
| Darbhanga ... | 2,142,690 | 1,678,000 | 21,600 | 11,400 | 73 | 72 | 2,142,690 | 1896 to 1903. | 52,100 | Natal India in September 1908. Ordinary in April 1909. | Owing to severe drought and want of moisture in the beginning of the season and excessive rains in June the crops suffered much. The date of sowing was normal. The "*Khantis*" are not expected to give any good produce. The decrease in the area sown this year as compared with that of last year is due to insufficient moisture for the spring sowings of Sumatra seed. | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Monghyr ... | 2,510,080 | 1,583,800 | 6,400 | 6,100 | 63 | 63 | 985,552 | 1900 to 1907. | 17,756 | September | The weather was favourable. The general condition of the crop is fair. The date of sowing was normal. |
| Bhagalpur ... | 2,804,640 | 2,073,000 | 4,700 | 5,200 | 50 | 100 | 2,403,764 | 1902 to 1904. | 5,267 | 1st September | The weather was favourable. The general condition of the crop is good. The date of sowing was normal. |
| Purnea ... | 3,196,158 | 1,694,400 | 16,500 | 16,500 | 50 | 23 | 2,506,346 | 1901-02 and 1904-05. | 14,952 | July ... | Owing to protracted drought, the sowing of the crop was very late in the season, and when the plants were only of a month's growth, there was incessant rain from the middle of May for about a fortnight which damages the crops. In some localities, the early rise of the local rivers also submerged a large portion of the crop. |
| Sonthal Parganas ... | 3,500,800 | 1,545,300 | 700 | 400 | 50 | [illegible] | 3,272,000 | 1889 to 1903. | 1,658 | 18th October 1908 to 15th February 1909. | The weather was unfavourable. The general condition of the crop is bad. The decrease in the area cultivated as compared with that of last year is due to insufficient moisture in February and March. The date of sowing was normal. |
| North Bihar ... | 10,566,296 | 7,692,600 | 111,500 | 83,300 | 77 | 75 | ... | ... | ... | | |
| Bengal, including other Bihar districts ... | 18,877,789 | 11,509,200 | 28,800 | 24,500 | 52 | 44 | ... | ... | ... | | |
| Total .. | 29,444,085 | 19,201,800 | 135,300 | 107,700 | 73 | 70 | ... | ... | ... | | |

## REPORT ON THE WORKING OF THE STEAM TRAWLER *GOLDEN CROWN* FOR THE QUARTER ENDING SEPTEMBER 30, 1909.

The following report is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

CALCUTTA,
*The 9th October 1909.*

DURING the quarter under review the *Golden Crown* made two exploratory voyages to the Bay of Bengal, both during the month of September. The weather during the quarter has been most unfavourable, but in spite of this two successful voyages were made and encouraging results obtained.

On the first occasion the trawler left for sea on September 6th, returning to Calcutta on the 16th and the second trip commenced on the 20th, terminating on October 2nd. As fishing operations on the second trip ceased on the 30th September, this voyage is naturally included in this report.

### DETAILS OF VOYAGES.

After the pilot left at 9-10 P.M. on the 6th the vessel was put on a course S. W. by W. On the 7th owing to the heavy swell the *Golden Crown* was put for some time on half speed. At 1 P.M. the first haul was made off Konarak and touring W. S. W. trawling was carried on till Puri light bore N. by E. This day's trawling was in depths of about 24 fathoms. On the 8th still heading S. W. the trawl was shot in 50 fathoms water, but the result was not so good as on the previous day. Subsequently trawling was tried in 26 fathoms. Rough ground was met with later in the day and the net was damaged.

On the 9th fishing was tried off Gopalpur in depths of from 24 to 30 fathoms, and the results achieved tend to show that this is the most suitable depth in these localities. On this day and the following (10th) fishing was carried on under very adverse and trying circumstances, there being strong winds with much rain and a heavy sea.

On the 11th trawling went on still off the Ganjam district of the Madras Presidency in very unfavourable weather with heavy squals and much rain.

On the 12th trawling was tried between Gopalpur and Puri and off Puri weather again very bad.

On the 13th a heavy sea necessitated abandoning fishing operations from 2 to 11 A.M., after which fishing was tried 13 miles off the Black Pagoda (Konarak). On the 14th the conditions were again against fishing, but it was nevertheless persevered with. The 15th and 16th were occupied in the return journey.

On the *Second Voyage* the *Golden Crown* got under way early on the 20th but owing to the heavy weather which prevailed she had to shelter in the river and the pilot did not leave until 1 P.M. on the 22nd. A course was set direct for Gopalpur and after a bad passage the trawl was shot off that place on the 23rd at 5-20 P.M. in 27 fathoms. A large saw fish was caught in the first haul, which badly damaged the net. This fish measured exclusive of the saw 23 feet 6 inches in length. Subsequently the trawl was shot off Burma.

On the 24th, 25th, 26th, 27th, 28th and 29th trawling was carried on again under very trying conditions in various depths and at various localities off Barura and Sonapur. Again the best depths were found to be from 24 to 30 fathoms and, although the ground is very rough and the net frequently torn, good catches were made. From the 30th to the 2nd October the passage home was made.

*Weight of fish Caught (in lbs.)*

| Names. | 1st voyage. | 2nd voyage. |
|---|---|---|
| Begti... | 3,259 | 4,130 |
| Gurnards | 7,338 | 2,810 |
| Whiting | 6,451 | 2,515 |
| Prawns | 6,105 | 1,920 |
| Small flats | 4,932 | 1,750 |
| Congers | 1,238 | 205 |
| Red flats | 540 | 1,144 |
| Cod | 571 | 268 |
| Pomfret | 259 | 45 |
| Skate | 845 | 430 |
| Halibut | 87 | ... |
| Mixed | ... | 55 |
| Soles | 35 | ... |
| Total | 31,660 + | 15,272 = 46,932. |

Four turtles were also caught on the first trip and one on the second. In spite of the very unfavourable weather that prevailed, over 418½ cwts. of edible fish were captured, that is, very nearly 21 tons, an average of 10·5 tons per voyage.

Only a part of this fish was brought to Calcutta for sale, but this is not due to the fact that the fish cannot be brought up fresh. As a matter of fact, larger catches have been brought up in a perfectly fresh condition.

As the object of the *Golden Crown* is the location of the fishing grounds and not to prove that commercial trawling in the Bay can be made a financial success, it is unnecessary to enter into details here as to the price obtained for the fish placed on the Calcutta markets. It will suffice to say that the *Golden Crown* fish finds a ready sale at good prices.

For comparison with previous quarters, the amount caught per day's fishing has been calculated.

On the first voyage there were 7½ days' actual fishing, and on the second voyage 6.

This gives an average of 31 cwts. per day's fishing, a result which is extremely creditable to Captain Mann and his European crew in view of the bad weather encountered and the fact that a large amount of time on each occasion was devoted to purely exploratory work.

The average catches per day's fishing of the *Golden Crown* may thus be summarised :—

| | | | |
|---|---|---|---|
| Period from June to September 1908 | | ... | 6 cwts. |
| Quarter ending December 31st | „ | .. | 21 „ |
| Ditto March 31st | 1909 | ... | 23 „ |
| Ditto June 30th | „ | ... | 33·4 „ |
| Ditto September 30th | „ | ... | 31 „ |

The progressive increase which was first noticeable in the quarter ending December 1908, has thus been well maintained and now more marked than during the last two quarters when the weather has been most unfavourable for fishing.

For comparison with the above a statement is appended showing the average catch in cwts. per day's absence from port of first class English trawlers during 1907, that being the last year for which statistics are available :—

| Regions | Cwts. per day. | Region. | Cwts. per day. |
|---|---|---|---|
| Iceland | 44·16 | Bay of Biscay | 19·46 |
| White Sea | 43·14 | West of Scotland | 22·61 |
| Rockall | 41·18 | North Sea | 17·07 |
| North of Scotland | 37·90 | British Channel | 16·75 |
| Faroe | 34·35 | Irish Sea | 15·39 |
| South of Ireland | 26 92 | English Channel | 10·50 |
| West of „ | 25·49 | Portugal and Morocco | 4 57 |

(*Vide* Annual Report of Proceedings under Act relating to Sea Fisheries for the year 1907. Board of Agriculture and Fisheries, London 1909.)

It is thus seen that the results obtained by the *Golden Crown* compare very favourably with first class steam trawlers in England. In making this comparison, it must however be borne in mind that the figures given for the *Golden Crown* are cwts. per day's fishing, whereas those for English trawlers are per day's absence from port. On the other hand, many of the English vessels are much larger than the *Golden Crown* and the are fitted with more powerful gear and theyare run on strictly commercial lines, whereas the object of the *Golden Crown* is exploration.

J. TRAVIS JENKINS,
*Fishery Advisor to Government of Bengal.*

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR SEPTEMBER 1909.

*Character of the season.*—The rainfall during the month was general. The fall was much below the normal in North Bihar. In Lower Bengal it was in slight defect In Chota Nagpur and Orissa it was in excess of the normal, Angul, Balasore and Palaman excepted. The usual rainfall table is appended.

II. *Progress of agricultural operations.*—Transplatation of paddy continued in some districts. Harvesting of the autumn crops was in progress throughout the month.

III. *State of standing crops.*—*Aman* paddy and sugarcane are doing well.

IV. *Prospects and probable outturn of harvests.*—Good harvests of autumn paddy and maize have been obtained in many districts. The outturn of all *bhadoi* crops for the Province as a whole is estimated at 100 per cent. of the normal by this Department, and if the weather continues favourable winter rice will yield more than the normal crop.

V. *Damage to crops.*—On lowlands in Midnapore, Hooghly, Howrah and Murshidabad considerable damage was done both to winter rice and autumn crops by excessive rain and floods in the end of August. Injury by insect-pests was reported from Ranchi.

VI. *Condition of agricultural stock.*—The condition of cattle was on the whole fair. Cattle-diseases were reported from Burdwan, Midnapore, Hooghly, Nadia, Jessore, Khulna and from Bihar, Orissa and Chota Nagpur excepting Cuttack and Singhbhum.

VII. *Failure of pasturage and fodder.*—There was a temporary want in supply of fodder in parts of Burdwan owing to heavy floods. No other districts complained of insufficiency of fodder.

VIII. *Prices of food-grains.*—During the 2nd fortnight of the month the price of common rice rose in 5 and fell in 21 districts. The price of *makai* has fallen considerably. The price of common rice has also fallen in expectation of a good harvest. Prices of staple food-grains are easier than in the corresponding period of last year.

IX. *Condition of labouring classes and agricultural population.*—The agricultural people are in satisfactory condition. There has been a good harvest of the autumn crops and the winter rice harvest is also very hopeful.

CALCUTTA,
*The 12th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, on tour.*

*Statement showing the normal and actual Rainfall in each district during September 1909.*

| Division. | District. | Normal district rainfall for the month of September. | Actual district rainfall for the month of September. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 8·40 | 11·37 | +2·97 |
| | Birbhum ... | 10·39 | 8·66 | —1·73 |
| | Bankura ... | 8·70 | 11·49 | +2·79 |
| | Midnapore ... | 9·61 | 9·32 | —0·29 |
| | Hooghly ... | 8·83 | 10·75 | +1·92 |
| | Howrah ... | 9·45 | 9·02 | —0·43 |
| | 24-Parganas ... | 10·04 | 9·06 | —0·98 |
| | Calcutta ... | 10·40 | 9·29 | —1·11 |
| | Nadia ... | 8·48 | 6·96 | —1·52 |
| | Murshidabad ... | 9·35 | 10·30 | +0·95 |
| | Jessore ... | 8·45 | 8·34 | —0·11 |
| | Khulna ... | 9·55 | 9·41 | —0·14 |
| Bihar ... | Patna ... | 7·20 | 9·71 | +2·51 |
| | Gaya ... | 6·55 | 8·46 | +1·91 |
| | Shahabad ... | 6·96 | 5·92 | —1·04 |
| | Saran ... | 8·20 | 3·07 | —5·13 |
| | Champaran ... | 9·89 | 3·48 | —6·41 |
| | Muzaffarpur ... | 8·70 | 4·00 | —4·70 |
| | Darbhanga ... | 10·06 | 5·66 | —4·40 |
| | Monghyr ... | 9·57 | 9·51 | —0·06 |
| | Bhagalpur ... | 10·90 | 7·37 | —3·53 |
| | Darjeeling ... | 18·22 | 17·38 | —0·84 |
| | Purnea ... | 15·44 | 11·15 | —4·29 |
| | Sonthal Parganas | 11·10 | 7·62 | —3·48 |
| Orissa ... | Cuttack ... | 10·19 | 10·92 | +0·73 |
| | Balasore ... | 11·13 | 10·08 | —1·05 |
| | Angul ... | 9·57 | 4·64 | —4·93 |
| | Puri ... | [illegible]·82 | 11·71 | +1·89 |
| | Sambalpur ... | 8·30 | 9·95 | +1·65 |
| Chota Nagpur | Hazaribagh | 8·37 | 9·89 | +1·52 |
| | Ranchi ... | 8·30 | 10·98 | +2·68 |
| | Palamau ... | [illegible]·65 | 6·30 | —1·35 |
| | Manbhum ... | 8·[illegible]2 | 13·87 | +5·35 |
| | Singhbhum ... | 8·19 | 16·81 | +8·62 |

## WEATHER AND CROP REPORT.

*For the week ending the 11th October 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·93 | 10¼ | 10 | Weather dry. Steeping and washing of jute nearly finished. Prospects of standing crops good. Cattle-disease reported from parts of the Sadar subdivision. Prices falling. |
| 2 | BIRBHUM ... | 0·20 | 10 | 9½ | Rainfall at Rampurhat nil. Standing crops thriving. Fodder and water sufficient. No apprehension of scarcity. No cattle disease. |
| 3 | BANKURA ... | Nil. | 10¾ | 10½ | Rainfall at Vishnupur 0·73 inches. Weather seasonable. State of crops good. No cattle-disease. Fodder and water sufficient Condition of agricultural stock fair. |
| 4 | MIDNAPORE | 0·01 | 9 | 9 | Rainfall at Contai 0·54, at Tamluk 0·58 and at Ghatal 2·20 inches. Weather seasonable. Prospects of winter rice good except in portions of the Ghatal subdivision. Sowings of rape, mustard and tobacco commenced in Tamluk only and of late cotton in Contai and Tamluk. Cattle-disease in thanas Midnapore and Salbani. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Contai, at 8 seers at Tamluk and at 10 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·53 | 8½ | 8½ | Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Harvesting of jute and weeding of winter paddy continuing. Fodder and water sufficient. Harvesting of *aus* paddy over. Cattle-disease reported from thana Polba. |
| 6 | HOWRAH ... | Nil | 9 | 9 | Standing crops doing well. Harvesting of *aus* paddy and jute nearly over. Prices of food-grains almost stationary. No cattle-disease. Fodder and water sufficient. |
| 7 | 24-PARGANAS | Nil | 9½ | 9¼ | Weather seasonable. Steeping and threshing of jute continuing. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Basirhat, at 10⅔ seers at Diamond Harbour and at 8½ seers at Barrackpore. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 0·07 | $11\frac{9}{16}$‡ | $11\frac{9}{16}$‡ | Rainfall at Ranaghat 0·25, at Chuadanga 0·49, at Meherpur 0·90 and at Kushtia 2·97 inches. Prospects of standing crops good. Sowings of *rabi* crops—*Kalai* and *mung* commenced. Lands being prepared for *rabi* crops. Harvesting of jute finished. Steeping continuing. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from thanas Haringhata, Damukdia, Kushtia, Gangani and Karimpur. |
| 9 | MURSHIDABAD | 1·33 | $10\frac{1}{2}$ | $10\frac{1}{2}$ | Weather hot. Condition of standing crops, cotton and mulberry good. *Til* plants doing well at Kandi. Sowing of *kalai* continuing at Jangipur. Lands being prepared for *rabi* crops. Prospects of *aman* paddy favourable. Steeping and washing of jute commenced. Fodder and water sufficient. Cattle-pox reported from Khargram of the Kandi subdivision. Stocks of food-grains sufficient. |
| 10 | JESSORE ... | 0·39 | $11\frac{5}{8}$ | $11\frac{7}{8}$ | Rainfall at Jhenida 1·02, at Magura 2·69, at Bongaon 0·97 inches and at Narail nil. Weather seasonable. Rainfall not general. Condition of standing crops favourable. Steeping of jute going on. Condition favourable. Stocks of food-grains, fodder and water sufficient. Condition of agricultural stock good. No cattle-disease. |
| 11 | KHULNA ... | Nil | 11 | 11 | Rainfall at Bagerhat 2·60 and at Satkhira 0·03 inches. Weather seasonable. Prices stationary. Stocks of food-grains sufficient till the next harvest. Prospects of [illegible] crop good. Cattle-disease reported from thanas [illegible]uj and Asasuni. Fodder and water sufficient. |
| 12 | PATNA ... | Nil | 11<br>19* | $10\frac{1}{2}$<br>20* | Weather seasonable. Condition of standing crops good. Sugarcane doing well. Lands being prepared for *rabi* crops. Fodder and water sufficient. Cattle-disease reported from Manair, Nowhatpur and Bikram police-stations. No report received from Behar. |
| 13 | GAYA ... | Nil | $10\frac{3}{4}$<br>$17\frac{11}{16}$* | $11\frac{3}{4}$<br>$17\frac{5}{16}$* | Weather seasonable. Paddy and sugarcane doing well. Ploughing of fields for sowing of *rabi* crops continuing. Fodder and water for cattle ample. Cattle-disease in two villages in the Nawadah subdivision. |
| 14 | SHAHABAD ... | ... | $10\frac{1}{4}$†<br>18* | $10\frac{1}{4}$†<br>18* | Rainfall at Buxar 0·01 inch. Report of rainfall at Bhabhua and Dehri not received. Sugarcane and paddy crops doing well. Lands being prepared for *rabi* sowings. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.
‡ New *aus* rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | Nil | 12½<br>21* | 11<br>22* | Weather seasonable. Rain wanted for up-land paddy. Threshing of *makai* going on. Lands being prepared for *rabi* sowings. Prices of staple food-crops stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 13†<br>21* | 13†<br>21* | Weather seasonable. Harvesting of *bhadoi* crops still going on. Fields being prepared for *rabi* crops. Prospects of paddy good. Fodder and water sufficient. Cattle-disease reported from thanas Jagapatti and Shikarpur. |
| 17 | MUZAFFARPUR | Nil | 11<br>21½* | 11<br>21* | Weather seasonable. Prospects of all standing crops excellent. Cattle-disease reported from thana Sitamarhi. Fodder and water sufficient. Common rice and maize selling at 9¼ and 25 seers a rupee, respectively, at Sitamarhi and at 9½ and 22 seers a rupee, respectively, at Hajipur. |
| 18 | DARBHANGA ... | Nil | 13 3/16†<br>22* | 13 3/16†<br>23 1/16* | Weather seasonable. Prospects of standing crops good. Fields being prepared for *rabi* sowings. Prices of food-grains stationary. Food-stocks sufficient. Fodder and water sufficient. Cattle-disease reported from one village of Harlakhi outpost. *Makai* selling at 22 seers per rupee in Darbhanga bazar. Common rice average quality selling at 9¼ seers per rupee. |
| 19 | MONGHYR ... | ... | 10¾<br>20* | 11<br>20* | Weather seasonable. Sky clear. Days hot, but nights cool. Condition of paddy crops good. Lands being prepared for *rabi* cultivation. No cattle-disease reported. Fodder and water sufficient. Prices of staple food-grains almost stationary. |
| 20 | BHAGALPUR ... | 0·0 | 8⅞<br>20¼* | 8⅞<br>20* | Weather rainy and cloudy. The present condition and prospects of standing crops very good. The condition of jute good. No apprehension of scarcity. Harvesting of *bhadoi* crops nearly over. Fodder and water sufficient. A few cases of cattle-disease reported from Bangaon and Madhipura thanas. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 0·94 | 10† | 10†<br>25* | Rainfall at Kishanganj 0·69 and at Araria 0·64 inches. Weather seasonable. Washing of jute in progress. Harvesting of *bhadoi* paddy nearly completed. *Kurthi* badly damaged by recent rain. Prospects of *aghani* paddy excellent. Fields being ploughed for *rabi* crops. Cattle-disease reported from Kadwa, Gopalpur, Kishanganj and Ranigan thanas. Fodder and water sufficient. Stocks of food-grains sufficient. New *bhadoi* rice selling at 10 seers per rupee at Kishanganj and at 9 seers per rupee at Araria. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | Nil | 8<br>15* | 8<br>15* | Rainfall at Siliguri 2·09 inches. Weather seasonable. Hills—Maize, potatoes, *chota marua* and *bhadoi* paddy being harvested. *Bara marua* and winter rice growing. Oilseeds being sown. Terai—Lands being prepared for *rabi* crops. Prospects very favourable. Prices stationary. Stocks of food-grains sufficient. |
| 23 | SONTHAL PARGANAS. | 0·86 | 11 11/16<br>20¼* | 11 11/16<br>27* | Rainfall at Godda 0·08, at Jamtara 3·45 at Pakour 0·13, and at Rajmahal 0·02 inches. Prospects of standing crops very favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from the Godda subdivision. Jute harvested. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 11 13/16 | 11 13/16 | *Laghu saradh* paddy in ear. *Guru saradh* paddy, sugarcane, *biri*, *mung* and *kurthi* growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | Nil | 14 | 13 | Weather seasonable. *Laghu saradh* paddy in ear. *Guru saradh* paddy and sugarcane thriving. Harvesting and steeping of jute continuing. Lands being prepared for *rabi* crops. Condition of cattle good. Fodder and water sufficient. Paddy crops being partly damaged by insect-pests in thanas Dhamnagar and Balasore. Common rice selling at 13 seers a rupee at Bhadrak. Prices falling at Sadar and stationary at Bhadrak. |
| 26 | ANGUL ... | Nil | 15¾ | 15¾ | Rainfall at Phulbani 0·01 inch. Weather seasonable. Prospects of crops good, but more rain wanted. Sowing of *rabi* crops over. The agricultural stock in good condition. Cattle-disease reported. Common rice selling at 12 seers per rupee at the Khondmals. |
| 27 | PURI ... | Nil | 10½ | 10½ | *Laghu saradh* paddy and sugarcane thriving well, but rain wanted. *Kulthi* being sown. Cotton in flower and pod. Fodder and water sufficient. No cattle-disease reported. Common rice selling at 11 13/16 seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 15 | 15 | Reaping and threshing of autumn rice, and sowing of *mung* continuing. Condition of standing crops, sugarcane, *urid*, cotton, *til*, *mung* and winter rice good. Paddy plants damaged by Bangiphuti in both tahsils. No apprehension of scarcity. Stocks of food-grains, fodder and water-supply sufficient. Outturn of *autumn* rice in the Bargarh tahsil estimated at 60 per cent. of the normal. Rinderpest, Anthrax, foot-and-mouth diseases reported from both the tahsils. Cheapest rice selling at 18 seers per rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 10½<br>22* | 10½<br>25* | Weather seasonable. Standing crops good. Preparation of fields for *rabi* crops being continued. Cattle-disease in one thana. Fodder and water sufficient. |
| 30 | RANCHI ... | Nil | 13¼† | 14† | Weather seasonable. Prospects of winter paddy good. Harvesting of *gora* paddy nearly completed. No cattle-disease. Fodder and water sufficient. Common rice (average quality) selling at 10 seers a rupee at Sadar. |
| 31 | PALAMAU ... | Nil | 9½‡ | 11¼ | Weather seasonable. Paddy doing well. Early variety of the paddy crops being harvested in places. *Rabi* sowings commenced. Fodder and water sufficient. Cattle-disease reported from several thanas. Old rice selling at 7⅞ seers a rupee. |

* The figures indicate the price of maize in seers per rupee.
† *Gora* paddy.
‡ Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 32 | MANBHUM ... | Nil | 12 | 12 | Weather seasonable. State of standing crops good. Sowing of rape and mustard in progress. Fodder and water sufficient. Cattle-disease reported from thana Dhanbaid and Rajganj. Condition of agricultural stock good. Prices of staple food-grains stationary. Common rice selling at 9½ seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·76 | 9 | 9 | Weather seasonable. Harvesting of early paddy going on. State of standing crop good. Condition of cattle good. Fodder and water sufficient. Common rice selling at 8 and 10½ seers a rupee at Kharsawan and Seraikella respectively. |
| 34 | COOCH BEHAR | 1·05 | $7\frac{8}{11}$ | $7\frac{7}{11}$ | Weather hot and occasionally cloudy. Steeping and washing of jute continuing. Condition of jute fair. Prospects of standing crops favourable. Prices of staple food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 0·85<br>Athmallik ... 1·82<br>Bamra ... 1·78<br>Baramba ... 1·44<br>Baud ... 0·17<br>Bonai ... 5·87<br>Daspalla ... 1·93<br>Dhenkanal ... 1·33<br>Gangpur ... 4·10<br>Hindol ... 1·80<br>Kalahandi ... 8·09<br>Keonjhar ... 1·70<br>Khandpara ... Good rain one day during the week.<br>Mayurbhanj ... 4·15<br>Narsinghpur ... 2·62<br>Nayagarh ... 1·30<br>Nilgiri ... 4·27<br>Pal-Lahara ... 1·74<br>Patna ... 2·08<br>Rairakhol ... 0·54<br>Ranpur ... 1·33<br>Sonpur ... 2·09<br>Talcher ... 1·87<br>Tigiria ... Scanty rain during the week.<br>Weather seasonable. Weeding continuing in Daspalla, Dhenkanal and Pal-Lahara. Harvesting of *beali* paddy in progress in Athmallik, Bonai, Kalahandi, Mayurbhanj, Narsingpur, Nilgiri, Rairakhol, Ranpur and Sonpur. Estimated outturn of *beali* paddy 8 annas in Hindol, 12 annas in Athmallik, 15 annas in Athgarh and 16 annas in Mayurbhanj, Nayagarh and Nilgiri. State of standing crops good, but more rain wanted in Dhenkanal and Talcher for *saradh* paddy. Fodder and water sufficient. During the week price of rice fallen in 8 States and stationary in the remaining States: price ranging from 12 seers in Khandpara and 13 seers in Tigiria and Nilgiri, to 18 seers in Bamra, Gangpur and Mayurbhanj and 20 seers in Talcher, Kalahandi, Bonai and Pal-Lahara. |

* The report is for the week ending the 2nd October 1909.

GENERAL SUMMARY.—There were light showers in Lower Bengal and in the Bhagalpur Division; in the rest of the Province there was practically no rain. Harvesting of the autumn crops is approaching completion. Preparation of lands for the *rabi* crops continues. Sowings of oil-seeds and pulses have commenced in Midnapore, Nadia, Puri, Sambalpur, Palamau and Manbhum. *Aman* paddy and sugarcane are doing well. More rain is wanted for *aman* paddy on high lands in Saran, Angul and Puri. Some damage has been done to *kurthi* by excessive rain in Purnea, and to *aman* paddy by insect-pests in Balasore and Sambalpur. The price of common rice has risen in Jessore, Gaya, Monghyr, Ranchi and Palamau, and has fallen in Burdwan, Birbhum, Bankura, the 24-Parganas, Patna, Saran and Balasore. Cattle-disease is reported from Burdwan, Midnapore, Hooghly, Nadia, Murshidabad, Khulna, Patna, Gaya, Champaran, Muzaffarpur, Darbhanga, Bhagalpur, Purnea, the Sonthal Parganas, Sambalpur, Hazaribagh, Palamau and Manbhum. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 12th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat | | | Barley. | | | Common Rice. Average. | | | Common Rice. Cheapest. | | | Jowar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu. (*Pennisetum typhoideum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| | | BENGAL. | | | | | | | | | | | | | | | | | | |
| Burdwan Division. | 1 | Burdwan .. | ... | ... | ... | ... | .. | ... | 9 4 | 9 4 | 7 8 | 9 8 | 9 10 | 8 [illegible] | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum .. | 9 0 | 9 0 | 7 8 | .. | ... | . | 9 8 | 9 0 | 7 8 | 9 8 | 9 0 | 7 8 | ... | ... | .. | ... | ... | ... |
| | 3 | Bankura . | 8 8 | 8 8 | 7 8 | ... | ... | ... | 9 8 | 9 0 | 7 8 | 10 0 | 9 8 | 8 [illegible] | | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 9 0 | 7 0 | ... | ... | .. | 9 14 | 10 2 | 7 8 | 11 2 | 11 13 | [illegible] 14 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly .. | ... | ... | ... | ... | . | . | 7 8 | 7 0 | 6 0 | 8 4 | [illegible] 0 | 6 8 | ... | | ... | ... | ... | ... |
| | 6 | Howrah ... | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 8 | 8 [illegible] | 8 8 | 7 0 | ... | . | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | ... | ... | 7 12 | ... | . | ... | 8 8 | 8 0 | 6 8 | 9 4 | 9 0 | 7 0 | ... | .. | ... | ... | ... | ... |
| | 8 | Calcutta .. | 9 0 | 8 0 | 7 4 | 13 0 | 12 8 | 10 0 | 8 0 | 8 0 | 6 6 | 10 8 | 10 8 | 8 0 | — | ... | ... | ... | ... | ... |
| | 9 | Nadia .. | 8 0 | 8 0 | 7 12 | 12 0 | 11 [illegible] | 12 0 | 8 [illegible] | 8 0 | [illegible] 4 | New rice. 11 0* | 8 9 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 10 4 | 9 12 | 8 0 | 21 8 | 21 8 | 12 0 | 10 [illegible] | 9 0 | [illegible] | [illegible] 0 | 9 12 | 7 12 | ... | .. | ... | ... | ... | ... |
| | 11 | Jessore . | 6 8 | 6 8 | 6 8 | 8 0 | 8 0 | [illegible] 6 | 9 [illegible] | [illegible] 0 | 7 9 | 12 0 | 10 0 | 9 0 | ... | .. | ... | ... | ... | ... |
| | 12 | Khulna .. | ... | ... | .. | ... | ... | | 9 0 | 8 4 | 8 0 | 12 0 | 9 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 10 4 | 10 4 | 9 0 | 19 0 | 19 0 | 14 0 | 10 0 | 9 8 | 7 4 | 10 11 | 10 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 9 [illegible] | 9 13 | 7 12 | 16 14 | 15 6 | 11 0 | 8 10 | 9 3 | 6 12 | 10 10 | 10 6 | 7 4 | ... | ... | 11 0 | ... | ... | ... |
| | 15 | Shahabad ... | 10 8 | 9 12 | 8 [illegible] | 16 0 | 15 0 | 10 8 | ... | ... | 7 3 | 10 5 | 10 1 | 8 0 | .. | ... | . | ... | ... | ... |
| Tirhut Division. | 16 | Saran .. | 9 8 | 9 8 | 9 0 | 18 0 | 17 0 | 12 0 | 8 0 | 8 0 | 7 0 | 10 8 | 9 [illegible] | 8 0 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 8 | 9 8 | 7 4 | 20 0 | 19 0 | 13 0 | 9 4 | 9 8 | 7 4 | 12 12 | 10 4 | 8 4 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur .. | 9 0 | 9 0 | 8 0 | 16 0 | 15 0 | 13 0 | 8 0 | 6 0 | 6 0 | 10 0 | 9 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 9 14 | 9 14 | 7 11 | 15 0 | 13 3 | 11 0 | 8 13 | 8 12 | 5 8 | 21 1 | 9 14 | 8 0 | ... | ... | ... | ... | ... | ... |

* The fluctuation is due to this rice coming into market.

*Station Bazars of the districts of Bengal on the 30th September 1909*—concld.

| SEERS OF EIGHTY TOLAHS | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | [illegible], CHANA, CHHOLA, KADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*adi*) OR THUR, CADJAN-PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 14 [illegible] | 14 11 | 9 8 | 21 0 | 18 14 | 12 0 | 10 8 | 10 0 | 7 8 | 21 0 | 21 0 | 20 0 | 1 14 0 | Panga. 1 14 0 | 2 0 0 | | | | 20 |
| ... | ... | ... | | | ... | 13 14 | 13 14 | 8 10 | 20 4 | 20 4 | 12 8 | 10 2 | 9 10 | 7 4 | 20 0 | 21 0 | 20 0 | 1 14 3 | Panga. 1 13 0 | 1 14 6 | | | | 21 |
| ... | ... | ... | ... | ... | ... | | 12 8 | 8 0 | 20 0 | 20 0 | 11 0 | 8 0 | 8 0 | 6 6 | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 2 8 0 | 2 8 0 | | | | 22 |
| 11 0 | 11 4 | 11 8 | ... | ... | ... | 9 0 | 9 0 | 7 0 | 16 0 | 16 0 | 14 0 | 5 8 | 5 8 | 5 4 | 14 0 | 14 0 | 13 8 | 2 12 0 | 2 12 0 | 2 11 0 | | | | 23 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 [illegible] | 8 0 | 31 8 | New. 36 0 | 18 0 | 9 0 | 9 0 | 6 0 | 16 0 | 16 0 | 16 0 | 2 8 0 | Karkatch. 2 8 0 | 2 8 0 | | | | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 11 13 | 11 13 | 9 8 | ... | ... | ... | 11 13 | 11 13 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | | | | 25 |
| ... | ... | ... | | ... | ... | Chhola. 10 10 / 10 8 | 11 8 / Biri. 10 8 | 7 12 / 9 0 | ... | ... | ... | 7 8 | 8 0 | 6 8 | 22 0 | 21 0 | 20 0 | 1 12 0 | Panga. 1 14 0 | 1 15 0 | | | | 26 |
| ... | ... | ... | ... | ... | ... | 11 0 | Biri. 9 7 | 6 0 | | ... | ... | 13 2 | 11 0 | 6 8 | 16 12 | 16 12 | 12 8 | 2 0 0 | Karkatch. 2 0 0 | 2 14 0 | | | | 27 |
| ... | ... | ... | ... | ... | ... | 10 8 | Biri. 10 13 | 8 13 | ... | ... | ... | 8 8 | 7 [illegible] | 6 3 | 25 0 | 26 0 | 25 0 | 1 8 0 | 1 8 0 | 1 9 0 | | | | 28 |
| ... | ... | ... | ... | ... | ... | 12 0 | 11 8 | 7 [illegible] | ... | ... | | 7 0 | 7 0 | 5 12 | 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | | | | 29 |
| 22 0 | 22 0 | 13 0 | ... | ... | ... | 12 0 | 12 0 | 8 4 | New. 27 0 | 14 0 | 13 0 | [illegible] 0 | 8 0 | 6 8 | 18 0 | 18 0 | 16 0 | 2 4 0 | Panga. 2 4 0 | 2 8 0 | | | | 30 |
| 25 0 | 23 0 | 10 0 | ... | ... | ... | 11 8 | 11 8 | 8 0 | 24 0 | 20 0 | 9 0 | 6 8 | 6 [illegible] | [illegible] 0 | 18 0 | 17 0 | 17 0 | 2 1 0 | Panga. 2 4 0 | 2 6 0 | | | | 31 |
| ... | ... | ... | ... | ... | ... | 11 13 | 12 6 | 8 7 | 20 4 | ... | 15 12 | 9 0 | 10 2 | 8 2 | 18 9 | 19 2 | 20 4 | ... | ... | ... | | | | 32 |
| ... | ... | ... | ... | ... | ... | 10 8 | 11 [illegible] | 8 0 | 20 0 | 22 0 | 10 0 | 8 8 | 8 8 | 6 4 | 18 0 | 18 0 | 16 0 | 2 0 0 | Panga. 1 13 0 | 2 2 0 | | | | 33 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 7 8 | ... | ... | ... | 8 8 | 8 8 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 1 15 0 | 2 4 0 | | | | 34 |

Published for general information.

N. N. BANERJEI,
for *Director of Agriculture, Bengal, on tour.*

## *PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., th*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 6 0 | 6 8 0 | 7 2 0 | 4 12 0 | 4 12 0 | 6 2 0 | 3 8 0 | 3 8 0 | 4 12 0 | [illegible] 8 0 | 4 12 0 | 5 4 0 |
| 2 | Burdwan ... | 5 8 0 | 5 8 0 | 6 2 0 | 4 4 0 | 4 6 0 | 5 8 0 | 4 2 0 | 4 4 0 | 5 0 [illegible] | ... | ... | ... |
| 3 | Midnapore ... | 4 13 0 | 4 14 0 | 6 12 0 | 3 13 6 | 3 12 0 | 5 10 0 | 3 6 0 | 3 5 [illegible] | [illegible] 8 0 | | ... | ... |
| 4 | Patna ... | 6 8 0 | 6 8 0 | 9 0 0 | 3 15 0 | 4 2 6 | 5 8 0 | 3 10 0 | 3 12 0 | 4 10 0 | 3 13 6 | 3 13 6 | 4 6 0 |
| 5 | Muzaffarpur . | 8 0 0 | 10 0 0 | 10 0 0 | 5 0 0 | 6 10 6 | 6 10 6 | 4 0 [illegible] | 4 3 6 | 5 0 0 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur ... | 6 2 0 | 6 2 0 | 7 0 0 | 5 3 1 | 5 2 6 | 5 4 0 | 4 4 3 | 4 3 0 | 4 14 0 | 4 3 0 | 4 4 0 | 4 14 0 |
| 7 | Cuttack .. | 6 1 6 | 6 1 6 | 7 3 0 | 3 6 2 | 3 6 2 | 5 5 4 | 3 6 2 | 3 6 2 | 5 1 3 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur ... | 5 0 0 | 5 0 0 | 5 11 0 | 2 14 0 | 3 0 0 | 3 14 0 | 2 8 0 | 2 13 6 | 3 12 0 | 4 0 0 | 4 5 3 | 5 0 0 |
| 9 | Ranchi ... | 5 0 0 | 5 0 0 | 8 0 0 | 3 12 0 | 4 0 0 | 5 12 0 | 3 5 0 | 3 5 0 | 4 11 0 | 4 9 6 | 4 13 0 | 4 11 0 to 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar or Tur — Arhar Dal (*Cajanus indicus*) | | | Linseed | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 10 0 | 2 12 0 | 4 8 0 | 4 4 0 | 4 6 0 | 5 8 0 | 5 12 0 | 5 8 0 | 5 8 0 | 5 0 0 | 4 12 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 8 0 | 4 8 0 | 6 2 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 0 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 0 0 to 6 4 0 | 5 4 0 | 5 4 0 | 5 4 0 | Black mustard. 5 12 0 to 5 4 0 Rapeseed. 5 8 0 | 5 12 0 Rapeseed. 5 4 0 | 7 12 0 7 8 0 |
| 4 | Patna ... | 1 15 6 | 2 1 0 | 3 3 0 | 3 6 0 | 3 6 0 | 4 6 0 | 5 12 0 | 5 14 0 | 5 12 0 | 4 14 0 | 4 12 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 1 14 6 | 2 1 6 | 3 5 3 | 4 0 0 | 4 0 0 | 5 11 6 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 1 15 0 | 1 15 0 | 3 2 2 | 3 15 0 | 4 2 0 | 5 8 3 | 5 9 0 | 5 12 0 | 5 4 0 | Mustard. 4 10 0 Rapeseed. 4 6 0 | 4 1 0 4 8 0 | 6 3 0 6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 6 2 | 3 6 2 | 3 12 11 | ... | ... | ... | 7 0 9 | 7 0 9 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 5 0 0 | 5 0 0 | 6 10 0 | ... | ... | ... | 4 8 0 | .. | 7 8 0 |
| 9 | Ranchi .. | ... | ... | ... | 6 0 0 | 12 0 | 5 12 0 to 8 0 0 | 8 0 0 | 5 0 0 | 10 0 0 | 5 0 0 to 5 12 0 | 5 0 0 to 5 8 0 | 8 0 0 |

*Station Bazars of the districts of Bengal on the 30th September 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chhola, Kadalay or Su[illegible] (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Tur, Cadjan Pea (*Cajanus indicus*) | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 1[illegible] 8 | 11 8 | 8 12 | ... | ... | ... | 9 0 | 9 0 | 6 7 | 20 8 | 20 8 | 21 0 | 1 10 6 | Panga. 1 10 6 | 1 12 0 | 1 |
| ... | ... | ... | ... | ... | ... | 12 0 | 11 4 | 7 8 | | ... | . | 7 8 | 7 8 | 6 0 | 20 0 | 20 0 | 20 0 | 1 15 0 | Karkatob. 1 14 0 | 1 15 0 | 2 |
| ... | ... | ... | . | ... | | 10 4 | 10 4 | 8 4 | ... | | ... | 9 0 | 9 0 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | | ... | .. | 11 [illegible] | 10 8 | {7 0 to 8 0} | ... | ... | . | 8 0 | 8 0 | {6 0 to 7 0} | 21 0 | 21 0 | 20 0 | 1 12 0 | Crushed 1 12 0 | 1 12 0 | 4 |
| ... | ... | ... | .. | .. | ... | 9 0 | 10 0 | 7 8 | ... | ... | . | 8 0 | 8 0 | 6 4 | 20 0 | 0 0 | 20 0 | 1 14 0 | Panga. 2 0 0 | 2 0 0 | 5 |
| ... | ... | ... | .. | .. | ... | 9 8 | 9 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | . | | ... | 12 0 | 12 0 | 8 [illegible] | ... | .. | ... | 9 0 | 9 0 | 7 8 | 22 8 | 22 8 | 25 0 | 1 12 0 | Panga. 1 12 0 | 1 9 6 | 7 |
| .. | ... | .. | 10 0 | 10 0 | 9 0 | 11 0 | 11 0 | 8 0 | 14 0 | 13 0 | 8 10 | 9 0 | 8 10 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | .. | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | .. | [illegible] | ... | 8 0 | 8 [illegible] | 6 4 | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 1 13 0 | 9 |
| ... | ... | ... | ... | . | ... | 15 0 | 15 8 | 8 [illegible] | .. | ... | | 14 13 | 13 12 | 7 0 | 20 0 | 20 0 | 21 0 | 2 0 0 | 2 0 0 | 1 14 0 | 10 |
| [illegible] | . | ... | . | ... | ... | 11 4 | 11 4 | 8 0 | .. | | | 11 4 | [illegible] | 10 0 | 20 0 | 20 0 | 20 0 | 1 12 0 | 1 12 0 | 1 13 0 | 11 |
| ... | ... | ... | ... | | ... | 10 0 | 10 0 | 8 0 | ... | ... | . | 5 [illegible] | [illegible] 8 | [illegible] 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | [illegible] 0 0 | 2 0 0 | 12 |
| ... | ... | ... | ... | 14 0 | ... | 13 12 | 13 12 | 9 8 | 20 0 | 19 0 | 12 4 | 11 8 | 11 8 | 9 0 | 19 8 | 19 8 | 19 0 | 2 0 0 | Panga. ... | 2 0 0 | 13 |
| ... | 15 2 | 13 0 | 18 15* | 13 5 | 10 0 | 13 3 | 13 3 | 8 8 | New 17 12 | 15 2 | 11 12 | 11 0 | 10 7 | 7 8 | 21 [illegible] | 21 12 | 20 0 | 1 9 6 | 1 9 6 | 2 0 0 | 14 |
| .. | ... | ... | ... | ... | ... | 15 0 | 15 0 | 9 0 | ... | ... | ... | 11 0 | 11 0 | 7 8 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| 24 0† | 17 0 | 14 0 | ... | 10 0 | ... | 14 0 | 14 0 | 9 4 | 22 0 | 21 0 | 13 0 | 12 0 | 12 0 | 9 8 | 22 0 | 22 0 | 20 8 | 1 12 0 | 1 12 0 | 1 15 0 | 16 |
| 21 0 | 21 0 | 14 8 | | ... | ... | 15 0 | 15 0 | 9 0 | 21 0 | 19 8 | 12 0 | 10 8 | 10 8 | 7 8 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 22 0 | 15 0 | 13 0 | ... | ... | ... | 13 0 | 13 0 | 9 0 | 21 0 | 19 0 | 12 0 | 10 0 | 10 0 | 7 0 | 21 0 | 20 0 | 19 0 | 1 14 6 | 2 0 0 | 2 0 0 | 18 |
| 24 3 | 24 3 | 11 0 | ... | ... | ... | 13 3 | 12 1 | 8 3 | 22 0 | 19 12 | 11 0 | 9 4 | 8 12 | 7 11 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 [illegible] | 2 0 [illegible] | 19 |

* The fluctuation is due to abundant supply of new grain.
† New *marua* crops having been harvested are now being put to the market and hence the fluctuation.

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch | S. Ch. | S. Ch. | S. Ch. | S. Ch | S. Ch. | S. Ch. | S. Ch. | S. Ch | S. Ch. | S. Ch. |
| | BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | |
| 20 | Monghyr ... | 11 0 | 11 0 | 8 12 | 14 12 | 14 0 | 10 8 | 10 8 | 10 4 | 6 8 | 11 8 | 11 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| 21 | Bhagalpur... | 9 8 | 9 7 | 8 2 | 12 10 | 13 14 | 10 8 | 7 15 | 8 0 | 6 14 | 9 6 | 9 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| 22 | Purnea ... | 9 0 | 8 8 | 7 8 | ... | ... | ... | 9 8 | 9 11 | 7 0 | 11 0 | 11 0 | 8 [illegible] | ... | ... | ... | ... | ... | ... |
| 23 | Darjeeling... | 6 0 | 6 0 | 5 8 | 8 0 | 8 0 | ... | 6 0 | 6 0 | 6 0 | 8 0 | 8 0 | [illegible] 0 | ... | ... | ... | ... | ... | ... |
| 24 | Sonthal Parganas. | 8 0 | 8 8 | 7 0 | 13 0 | 12 0 | 8 0 | 9 10 | 9 8 | 8 0 | 11 11 | [illegible] 4 | 8 4 | ... | ... | ... | ... | ... | ... |
| | ORISSA. | | | | | | | | | | | | | | | | | | |
| 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 11 13 | 11 13 | 7 11 | 11 13 | 11 13 | 7 14 | ... | ... | ... | ... | ... | ... |
| 26 | Balasore ... | 7 8 | 7 8 | 7 2 | ... | ... | ... | 11 8 | 11 8 | 8 0 | 13 0 | 13 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| 27 | Angul .. | ... | ... | 5 0 | ... | ... | ... | 15 12 | 16 12 | 6 [illegible] | 16 12 | 21 0 | 6 0 | ... | ... | ... | ... | ... | ... |
| 28 | Puri ... | 8 8 | 7 14 | 7 3 | ... | ... | ... | 10 8 | 10 [illegible] | 6 [illegible] | 11 13 | 11 13 | 7 8 | ... | ... | ... | ... | ... | ... |
| 29 | Sambalpur... | 9 8 | 9 0 | [illegible] 12 | ... | ... | ... | [illegible] 0 | 12 0 | 9 8 | 15 0 | 13 0 | 10 0 | ... | ... | ... | ... | ... | ... |
| | CHOTA NAGPUR | | | | | | | | | | | | | | | | | | |
| 30 | Hazaribagh | 8 8 | 9 0 | 7 8 | [illegible] 2 0 | [illegible] | [illegible] 8 | 10 8 | 10 0 | 6 8 | 11 4 | 10 8 | 9 0 | ... | ... | ... | ... | ... | ... |
| 31 | Ranchi ... | 8 8 | 8 4 | 7 0 to 7 8 | 10 0 | 10 8 | 6 12 to 7 0 | 11 0 | 10 0 | 7 0 | 12 0 | 12 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| 32 | Palamau ... | 9 13 | 9 9 | 7 5 | 13 8 | 13 8 | 10 2 | 7 14 | 7 14 | 7 5 | New. 11 4 | 8 7 | 8 2 | ... | ... | ... | ... | ... | ... |
| 33 | Manbhum .. | 8 0 | 8 2 | 7 [illegible] | 10 0 | 10 0 | 10 0 | 10 0 | 9 8 | 6 8 | 12 0 | 11 0 | 8 0 | ... | ... | ... | 12 0 | 12 0 | ... |
| 34 | Singhbhum | 8 0 | 8 0 | 7 0 | ... | ... | ... | 8 0 | 8 0 | 6 8 | 10 0 | 10 0 | 7 8 | ... | ... | ... | ... | ... | ... |

CALCUTTA,
*The 11th October 1909.*

*The undermentioned Marts of Bengal on the 30th September 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadala, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 12 0 | 3 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 8 0 | 4 12 0 | 1 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 6 0 | 3 7 0 | 4 14 0 | 2 |
| ... | ... | ... | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 0 0 to 5 8 0 | 3 |
| 2 1 0 | 2 1 0 | 2 13 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 13 6 | 2 13 6 | 4 2 0 | |
| 2 8 0 | 2 10 6 | 3 1 3 | ... | ... | ... | ... | ... | ... | 1 13 0 | 2 10 6 | 3 1 3 | 3 1 3 | 3 1 3 | 4 7 0 | 5 |
| 3 2 0 | 2 14 0 | 3 13 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 14 0 | 2 14 0 | 4 13 0 | 6 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Bi.i or kalai. 3 6 2 | 3 6 2 | 4 3 4 | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 3 3 | 3 5 6 | 5 0 0 | 8 |
| 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 8 0 | 3 8 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 0 0 | 4 12 0 | 6 8 0 | 7 0 0 | 6 12 0 | 5 12 0 | 22 0 0 | 22 0 0 | 18 0 0 | 6 0 0 | 6 0 0 | 6 0 0 | 1 |
| ... | ... | ... | 8 4 0 | 8 8 0 | 6 4 0 | ... | ... | | ... | ... | ... | 2 |
| ... | ... | ... | 8 0 0 | 8 4 0 | 7 0 0 to 7 4 0 | 24 0 0 | 24 0 0 | 24 0 0 to 25 0 0 | ... | ... | ... | 3 |
| 5 4 0 | 5 0 0 | 7 0 0 | 6 0 0 | 6 0 0 | 7 0 0 to 7 8 0 | 21 0 0 | 20 0 8 | 18 8 0 | ... | ... | ... | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 5 11 6 | ... | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 6 8 0 | 6 4 0 | 4 8 0 | 23 0 0 | 22 0 0 | 20 0 0 | ... | ... | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| ... | 4 8 0 | 6 0 0 | 6 10 0 | 6 10 0 | 6 10 0 | ... | ... | ... | ... | ... | 5 8 0 | 8 |
| ... | ... | ... | 6 4 0 | 6 12 0 | 8 0 0 | 20 0 0 | 24 12 0 | 23 0 0 | ... | ... | ... | 9 |

[Continued overleaf

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 42 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 390 0 0 | Per 100 pieces. 385 0 0 | 400 0 0 |
| 2 | Burdwan ... | 40 0 0 | 40 0 0 | 38 0 0 | ... | ... | ... | ... | ... | ... |
| 3 | Midnapore ... | 42 0 0 | 41 8 0 | 39 0 0 to 41 0 0 | 15 8 0 | Palta. 15 8 0 | 13 12 0 to 14 0 0 | 3 0 0 | Unclean per piece. 0 0 to 3 12 0 | 2 12 0 to 3 8 0 |
| | | | | | 14 0 0 | Madhukhali. 14 0 0 | 10 8 0 to 11 0 0 | 3 4 0 to 4 0 0 | Cleaned per piece. 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| 4 | Patna ... | 34 0 0 | 32 0 0 | 32 0 0 to 35 0 0 | 4 0 0 to 5 0 0 | Donji. 3 0 0 to 6 0 0 | 2 8 [illegible] | | ... | ... |
| 5 | Muzaffarpur ... | 40 0 0 | 40 0 0 | 35 9 0 | 16 0 0 | 16 0 0 | [illegible] 0 0 | ... | ... | ... |
| 6 | Bhagalpur ... | 40 0 0 | 40 0 0 | 43 0 0 | 15 0 0 | 14 4 0 | 10 0 0 | ... | ... | ... |
| 7 | Cuttack ... | 45 11 6 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | Per maund. 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 38 0 0 | 37 8 0 | 37 8 0 to 40 0 0 | 22 0 0 | 20 0 0 | 16 0 0 | 40 0 0 | Per maund. 42 0 0 | 30 0 0 |
| 9 | Ranchi ... | 35 0 0 | 35 0 0 | 38 0 0 | 8 0 0 to 16 0 0 | 13 0 0 | 10 0 0 to 16 0 0 | 0 8 0 | Per lb. 0 8 0 | Per piece. 3 0 0 to 4 0 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 2 0 0 | 1 12 0 | 2 6 0 |
| 2 | Burdwan ... | ... | ... | ... | 0 10 0 | 0 10 0 | 0 8 6 | 1 10 6 | 1 10 6 | 1 12 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 0 0 to 4 4 0 | 4 0 0 to 4 4 0 | 2 8 0 to 4 0 0 | 0 5 0 | 0 6 0 | 0 4 0 | 1 12 0 | Crushed. 1 12 0 | 1 12 0 | ... | ... | ... |
| 4 | Patna ... | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 8 0 | 0 8 0 | 0 7 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 1 6 0 | 1 6 0 | 1 2 0 |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 10 0 0 | 0 4 6 | 0 4 6 | 0 8 0 | 1 14 6 | Panga. 2 0 0 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur ... | 4 0 0 | 4 8 0 | 5 0 0 | 0 5 8 | 0 5 6 | 0 6 6 | 1 14 8 | Panga. 1 13 0 | 1 14 6 | 0 8 0 | 0 10 0 | 0 8 0 |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | Karkatch. 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur ... | ... | ... | ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 4 12 0 | 4 14 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 5 3 | 2 1 0 | Panga. 2 4 0 | 2 6 0 | 1 8 0 | 2 0 0 | 4 0 0 |

CALCUTTA,
*The 9th October 1909.*

*the undermentioned Marts of Bengal on the 30th September 1909*—concld.

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 0 14 0 | 1 0 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 9 0 | 0 10 6 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | — | ... | 0 6 0 | 0 7 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | ... | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | — | — | ... | ... | — | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | | ... | ... | ... | — | ... | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | — | ... | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 4 0 | 0 4 6 | 0 5 0 | 0 12 0 | 0 10 0 | 1 4 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | [illegible] | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 12 0 | 2 0 0 | 2 4 0 | 3 12 0 | 4 0 0 | 4 8 0 | 1 8 0 | Elephant brand. 1 8 0 | ... | Calcutta ... | 1 |
| 2 12 0 | 3 0 0 | 3 0 0 | ... | ... | ... | 1 10 0 | Elephant brand. 1 8 0 | ... | Burdwan ... | 2 |
| ... | ... | 0 10 0 | ... | ... | 5 4 0 | 1 5 6 | Cobra brand. 1 7 0 | ... | Midnapore .. | 3 |
| 2 4 0 | 2 4 0 | 1 12 0 | ... | ... | ... | 1 6 0 | Victoria brand. 1 6 0 | ... | Patna ... | 4 |
| 2 0 0 | 2 8 0 | 2 8 0 | 3 5 3 | 3 10 0 | 4 0 0 | 1 8 0 | Victoria brand. 1 12 0 | ... | Muzaffarpur ... | 5 |
| 1 0 0 | 1 12 0 | 2 0 0 | 3 2 0 | 3 3 0 | 4 0 0 | 1 4 9 to 3 4 0 | 1 6 6 to 3 4 0 | ... | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | 0 10 0 | 5 1 4 | 5 1 4 | 5 1 4 | 1 8 6 | Victoria brand. 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | 1 9 0 | Victoria brand. 1 10 6 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | 3 2 0 | 3 12 0 | 3 12 0 | 5 0 0 | 1 8 0 | Cobra brand. 1 9 0 | 4 15 0 | Ranchi ... | 9 |

N. N. BANERJEI,
for *Director of Agriculture, Bengal, on tour.*

## TABLE OF RAINFALL RECORDED AT

| District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Kalna | ... | 3·25 | ... | 0·30 | 0·10 | ... | ... | ... | ... | ... | 1·02 | ... | 1·50 | 1·75 | 0·05 | 0·08 | ... | ... | ... | 1·32 |
| | Burdwan | ... | 0·06 | 1·40 | 0·03 | ... | ... | ... | ... | ... | ... | 1·14 | ... | 1·40 | 0·64 | 0·43 | ... | ... | ... | ... | 0·71 |
| | Katwa | ... | 1·93 | 0·20 | ... | ... | ... | ... | ... | 1·55 | 0·02 | ... | ... | 0·12 | 0·49 | 0·12 | 0·16 | ... | ... | ... | 2·19 |
| | Raniganj | 0·12 | 0·65 | 0·44 | 0·55 | ... | ... | ... | ... | ... | 0·27 | 0·13 | ... | ... | 1·12 | 0·58 | 0·11 | ... | [illegible] | 0·04 | 0·14 |
| | Mankur | 1·50 | 0·45 | ... | 0·03 | ... | ... | ... | ... | ... | 0·90 | 0·45 | ... | 0·12 | 0·55 | 0·50 | ... | ... | ... | ... | 1·15 |
| Birbhum | Suri | 0·06 | 0·10 | 0·30 | 0·18 | ... | ... | ... | ... | ... | 0·21 | ... | ... | ... | 0·50 | 0·39 | 0·28 | ... | ... | 0·22 | 1·79 |
| | Hetampur | ... | 1·67 | 0·62 | 0·85 | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | 0·46 | 0·08 |
| | Rampur Hat | 0·42 | 0·13 | 0·58 | ... | ... | ... | ... | ... | ... | 0·45 | 0·30 | ... | ... | 0·09 | 0·25 | 0·12 | ... | ... | ... | 0·41 |
| | Bolpur | 0·15 | 2·00 | 1·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 0·12 | 0·05 | ... | ... | ... | 0·25 |
| | Murari | ... | 1·10 | 1·70 | 0·48 | ... | ... | ... | ... | 0·27 | ... | 0·57 | ... | ... | ... | 0·35 | 0·29 | ... | ... | ... | 0·13 |
| | Labpur | 0·35 | 0·62 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·40 | ... | 0·42 | ... | ... | ... | ... | 1·10 |
| Bankura | Bankura | 0·35 | 0·08 | 0·22 | 0·26 | ... | 0·02 | ... | ... | ... | 0·25 | 1·76 | ... | ... | 1·80 | 0·80 | 0·05 | ... | ... | 0·25 | 0·02 |
| | Vishnupur | 0·51 | 0·04 | 0·42 | 0·02 | 0·12 | ... | ... | ... | ... | 0·37 | 0·52 | 0·46 | 0·06 | 0·53 | 0·54 | [illegible] | ... | ... | 0·02 | 0·40 |
| | Maliara | 0·05 | ... | 0·61 | 0·58 | ... | ... | ... | ... | ... | ... | 1·25 | ... | ... | 1·27 | 1·23 | [illegible] | ... | ... | 0·10 | 0·28 |
| | Khatra | ... | 0·10 | 0·14 | 0·01 | 0·12 | ... | ... | ... | ... | 3·42 | 0·01 | ... | ... | 2·16 | 1·64 | [illegible] | ... | ... | ... | ... |
| | Indas | ... | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | 1·67 | 0·33 | 0·10 | 0·57 | 0·51 | ... | ... | 0·06 | 0·14 | 1·50 |
| | Kotalpur | ... | ... | 1·01 | ... | ... | ... | ... | 0·59 | ... | ... | 1·01 | ... | ... | 1·01 | ... | ... | ... | 1·42 | ... | 4·08 |
| | Onda | 1·05 | 0·06 | 0·30 | 0·02 | ... | ... | ... | ... | ... | 0·11 | 0·25 | ... | ... | 1·01 | 0·2[illegible] | 0·86 | ... | ... | 0·4[illegible] | 0·21 |
| | Gangajalghati | 0·96 | ... | 0·52 | ... | ... | ... | ... | ... | ... | 0·47 | 1·0[illegible] | ... | ... | 0·79 | [illegible] | 0·18 | ... | ... | 0·44 | 0·[illegible] |
| | Raipur | ... | ... | ... | 0·25 | ... | ... | ... | ... | ... | 5·34 | 0·05 | ... | ... | 2·31 | [illegible] | 0·80 | ... | ... | ... | ... |
| | Sonamukhi | 0·80 | ... | 0·39 | 0·12 | ... | ... | ... | ... | ... | 0·93 | ... | ... | ... | 1·23 | [illegible] | 0·42 | ... | ... | [illegible] | 0·36 |
| Midnapore | Pachet | ... | ... | 0·18 | 0·24 | ... | ... | ... | ... | ... | 0·60 | 0·16 | ... | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ... | ... | 1·80 |
| | Contai | 0·07 | ... | 0·15 | 1·15 | 0·06 | ... | ... | ... | ... | 0·10 | 0·03 | ... | 0·31 | [illegible] | ... | [illegible] | ... | ... | ... | 0·64 |
| | Tamluk | ... | ... | 0·16 | 0·04 | ... | ... | ... | ... | ... | 0·15 | 0·09 | ... | 0·54 | [illegible] | ... | [illegible] | ... | ... | ... | 0·32 |
| | Midnapore | ... | ... | ... | 0·02 | ... | 0·02 | ... | ... | ... | 0·48 | 0·58 | ... | 0·0[illegible] | 1·75 | 0·80 | 0·03 | ... | ... | ... | 0·31 |
| | Ghatal | ... | ... | 1·40 | 0·19 | ... | ... | ... | ... | ... | 0·34 | 2·80 | 0·15 | 1·[illegible] | 3·23 | 0·2[illegible] | ... | ... | ... | ... | 1·12 |
| | Kukrahaty | 0·18 | ... | 0·33 | 0·03 | 0·02 | ... | ... | ... | ... | ... | 2·20 | ... | 0·45 | 1·77 | 0·16 | 0·67 | 0·03 | ... | ... | 0·98 |
| | Amlagura | ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... | 0·36 | 1·60 | 0·80 | 0·09 | ... | ... | 0·10 | 0·22 |
| | Panskura | ... | ... | 0·50 | 0·02 | ... | ... | ... | ... | ... | ... | 0·73 | ... | 0·75 | 3·26 | ... | ... | ... | ... | 0·48 | 2·04 |
| | Dantan | ... | 0·42 | 0·28 | 0·26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·00 | ... | ... | ... | ... | ... | ... |
| | Chandrakona | ... | 0·43 | 0·54 | 0·07 | ... | ... | 0·10 | ... | ... | 0·50 | 0·21 | [illegible]·15 | 0·11 | 2·25 | 0·28 | ... | ... | 0·24 | 0·61 | 0·35 |
| | Bhagwanpur | 0·29 | ... | 0·95 | 0·05 | 0·15 | ... | ... | ... | ... | ... | 0·06 | ... | 0·89 | 2·77 | 0·04 | ... | ... | ... | ... | 0·69 |
| | Kultikri | ... | ... | ... | 0·23 | ... | 0·05 | ... | ... | ... | ... | 0·1[illegible] | ... | ... | 2·14 | 0·72 | ... | ... | 0·26 | ... | 0·40 |
| | Nayabasan | ... | ... | 0·27 | ... | ... | ... | ... | ... | ... | 1·10 | ... | ... | ... | 1·45 | 0·65 | ... | ... | ... | ... | 1·07 |
| | Gidni | ... | ... | 1·37 | 0·04 | 0·09 | ... | 0·27 | ... | ... | 2·15 | 0·25 | 0·25 | ... | 1·95 | 2·49 | 0·30 | 0·08 | 0·01 | ... | 0·33 |
| | Silda | ... | ... | 0·05 | ... | 0·07 | 0·10 | ... | ... | ... | 1·55 | 0·30 | 0·13 | 0·01 | 3·96 | 1·14 | 0·11 | ... | 0·17 | ... | ... |
| | Chandre | ... | ... | ... | ... | ... | ... | ... | ... | 2·47 | 0·43 | ... | 2·78 | ... | 1·26 | ... | ... | ... | ... | ... | 3·21 |
| | Goaltore | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | 3·60 | 0·96 | 0·02 | 0·32 | 2·37 | 0·01 | 0·38 | ... | ... | 0·30 | 0·40 |
| | Salboni | 0·02 | 0·02 | 0·14 | 0·03 | ... | ... | ... | ... | ... | ... | 0·05 | 0·57 | 0·58 | 0·17 | ... | ... | ... | ... | 0·81 | 3·80 |
| | Narainagarh | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | 1·00 | ... | ... | ... | ... | ... | 1·00 | 2·00 |
| | Ramnagar | 0·57 | 0·55 | 1·10 | ... | ... | ... | ... | ... | ... | 0·[illegible] | 0·05 | 0·05 | 2·65 | 0·4[illegible] | 0·15 | ... | ... | ... | 0·90 | 1·52 |
| | Mohanpore | ... | 1·70 | 0·15 | 0·05 | ... | ... | ... | ... | ... | ... | 2·13 | ... | 1·57 | 1·98 | 0·04 | 0·13 | ... | ... | 0·02 | 1·05 |
| | Heria | ... | ... | 1·18 | 0·33 | ... | ... | ... | ... | ... | ... | 1·06 | 0·57 | 0·72 | 0·18 | ... | ... | ... | 0·25 | 0·75 | 1·02 |
| | Janka (Khejari). | ... | ... | 1·16 | 0·03 | ... | ... | ... | ... | ... | ... | ... | 0·08 | 0·58 | 3·49 | ... | ... | ... | 0·10 | 0·86 | 3·22 |
| | Nandigram | ... | 1·70 | ... | 0·32 | ... | ... | ... | ... | ... | ... | 0·17 | ... | 0·37 | 1·40 | ... | ... | ... | ... | ... | 1·38 |
| | Moyna | ... | ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | [illegible] | ... | 0·20 | 3·18 | ... | 0·23 | ... | 0·07 | 0·10 | 0·43 |
| | Pingla | ... | ... | 0·25 | 0·02 | ... | ... | ... | ... | ... | ... | 0·70 | ... | 0·35 | 0·65 | 0·68 | 0·01 | 0·06 | ... | ... | 3·12 |
| | Narajole | ... | 0·1[illegible] | 0·22 | 0·47 | 0·06 | ... | ... | ... | ... | ... | ... | ... | 0·53 | 0·65 | 0·11 | 0·23 | ... | ... | ... | 1·30 |
| Hooghly | Serampore | 0·04 | 0·28 | 0·35 | 0·02 | ... | 0·04 | ... | ... | ... | 2·13 | 1·77 | 0·01 | 0·82 | 1·42 | 1·56 | ... | ... | ... | 0·01 | 0·69 |
| | Hooghly | ... | 0·07 | 1·01 | 0·09 | 0·[illegible] | ... | ... | ... | ... | ... | 0·02 | ... | 0·31 | 1·55 | 0·45 | 0·21 | ... | ... | ... | 1·22 |
| | *Arambagh* (Jahanabad). | ... | ... | 0·26 | 0·31 | ... | ... | ... | ... | ... | 0·21 | 2·10 | 2·61 | 0·17 | 0·04 | 0·12 | 0·02 | ... | ... | ... | 0·27 |
| Howrah | Howrah | ... | ... | 0·1[illegible] | 0·23 | ... | ... | ... | ... | ... | ... | 0·52 | ... | 0·44 | 1·61 | 0·52 | 0·04 | ... | ... | ... | 0·78 |
| | Mohesreka | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | 0·31 | 0·12 | 1·04 | 3·68 | 0·58 | 0·12 | ... | ... | 0·12 | 0·46 |
| | Uluberia | 0·02 | ... | 0·06 | 0·24 | ... | ... | ... | ... | ... | ... | ... | ... | 0·72 | 2·32 | 0·12 | ... | ... | ... | 0·13 | 0·90 |
| | *Amta* | 0·06 | ... | 2·22 | 0·13 | ... | ... | ... | ... | ... | ... | 1·08 | ... | 0·90 | 3·18 | 0·07 | 0·14 | ... | ... | ... | 1·06 |
| 24-Parganas | Saugor Island | ... | ... | 0·43 | 0·09 | ... | ... | ... | ... | ... | ... | ... | 0·55 | 1·45 | 1·12 | 0·05 | ... | ... | ... | ... | 0·50 |
| | Diamond Harbour. | ... | ... | 0·65 | ... | ... | 0·43 | ... | ... | ... | ... | 0·16 | ... | 0·13 | 0·67 | 0·22 | ... | ... | ... | ... | 2·46 |
| | *Budge-Budge* | 0·15 | ... | 0·76 | 0·10 | ... | 0·87 | ... | ... | ... | ... | 0·31 | ... | 1·03 | 2·18 | 0·25 | 0·55 | 0·02 | ... | ... | 1·43 |
| | Canning Town | ... | ... | 0·19 | 0·25 | 0·12 | 0·08 | ... | ... | ... | ... | 0·79 | 0·13 | 0·04 | 0·65 | 0·05 | 0·04 | ... | ... | 3·78 | 2·55 |
| | Alipore (Obs.) | ... | ... | 0·23 | 0·69 | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | 1·65 | ... | ... | ... | ... | ... | 3·51 |
| | Barrackpore | ... | 0·21 | [illegible] | 0·11 | 0·13 | ... | ... | ... | ... | ... | 1·30 | ... | 0·05 | 0·50 | ... | 1·30 | ... | ... | 1·00 | 2·10 |
| | Dum-Dum | ... | ... | [illegible] | 0·42 | 0·08 | 0·01 | ... | ... | ... | ... | 0·49 | ... | ... | 0·92 | ... | 0·52 | 0·30 | ... | ... | ... |
| | Barasat | 0·01 | 0·02 | 1[illegible] | ... | ... | ... | ... | ... | ... | ... | 2·25 | ... | 2·75 | ... | ... | ... | 0·25 | 1·40 | 3·21 | 8·25 |
| | Basirhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·77 | ... | 0·40 | 1·34 | ... | 0·06 | 0·23 | ... | ... | 0·75 |
| | Fraserganj | 2·11 | 2·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·03 | 1·77 | 0·41 | 0·13 | 0·07 | ... | ... | 0·06 |
| Nadia | Ranaghat | ... | 2·15 | 0·40 | 0·02 | ... | 0·01 | ... | ... | ... | ... | 2·02 | ... | ... | 0·36 | 0·09 | 0·16 | ... | ... | ... | 1·13 |
| | Krishnagar | ... | 0·76 | 0·31 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·28 | 0·47 | 0·11 | 0·03 | ... | ... | 0·45 |
| | Chuadanga | ... | 0·21 | 0·78 | ... | ... | ... | ... | ... | ... | ... | 0·28 | 0·01 | ... | 0·63 | 0·05 | ... | 0·08 | ... | ... | 0·18 |
| | Meherpur | 0·02 | 0·04 | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·20 | 0·78 | 0·13 | 0·19 | ... | ... | ... | 1·52 |
| | Kushtia | 0·30 | 1·30 | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·65 | 0·15 | 0·20 | ... | ... | 1·42 |
| | Haringhata | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | 0·63 | 0·24 | 0·19 | ... | ... | ... | 2·57 |
| Murshidabad | Kandi | 0·53 | 0·10 | 2·92 | ... | ... | ... | ... | ... | 1·08 | 0·15 | 0·15 | ... | 0·05 | 0·26 | 0·47 | 0·30 | ... | ... | ... | 1·83 |
| | Berhampore | ... | 0·03 | 5·34 | 0·62 | 0·07 | ... | ... | ... | 1·27 | 0·19 | ... | ... | ... | 0·89 | 0·36 | ... | ... | ... | ... | 0·20 |
| | Lalbagh | 0·05 | ... | 1·81 | ... | 1·17 | ... | ... | ... | 0·76 | ... | ... | ... | ... | 0·47 | 0·52 | 0·04 | ... | ... | ... | 0·14 |
| | Azimganj | 0·06 | ... | 0·75 | ... | 0·31 | ... | ... | ... | 0·05 | ... | 0·12 | ... | ... | 1·10 | 0·05 | ... | ... | ... | ... | 0·05 |
| | Jangipur | ... | 1·14 | 3·53 | 0·86 | 1·41 | ... | ... | ... | 0·08 | ... | ... | ... | ... | 0·50 | ... | 0·06 | 0·15 | ... | ... | 1·63 |
| | Lalgola | ... | ... | 2·37 | ... | 0·05 | ... | ... | ... | 0·74 | ... | ... | ... | 0·50 | ... | 0·76 | 0·87 | 0·23 | ... | ... | 0·62 |
| | Akriganj | ... | ... | 1·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | 0·30 | 0·46 | 0·03 | ... | 0·05 | 0·20 |
| | Patkabari | ... | ... | ... | ... | ... | ... | ... | ... | 1·09 | ... | 0·63 | ... | ... | ... | 0·24 | ... | ... | ... | ... | 0·93 |
| | Dumkal | ... | ... | 0·44 | 0·49 | ... | ... | ... | ... | ... | ... | 1·05 | ... | 0·51 | ... | 0·02 | 0·51 | ... | ... | ... | 0·54 |
| | *Kulliyanganj* | 0·26 | 0·03 | 2·32 | 0·55 | 1·30 | 0·58 | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | 0·28 | ... | ... | ... | ... |
| Jessore | Narail | ... | 1·21 | 0·83 | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | 0·02 | 0·51 | 1·15 | 0·50 | 0·08 | ... | ... | 0·09 | ... |
| | Jessore | ... | 0·05 | 1·08 | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | 1·15 | 0·50 | 0·08 | ... | ... | ... | 0·04 | 1·50 |
| | Jhenida | ... | ... | 1·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 2·24 | 1·62 | ... | ... | ... | ... | 2·20 |
| | Magura | ... | 0·32 | 1·52 | 0·12 | ... | ... | ... | ... | ... | ... | 1·53 | ... | 0·23 | 1·59 | 1·20 | ... | ... | ... | 0·13 | 0·07 |
| | Bangaon | 0·06 | 0·03 | 1·11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·14 | 2·00 | 1·64 | ... | ... | ... | ... | 0·12 |
| Khulna | Satkhira | ... | ... | 1·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·82 | 2·36 | 0·26 | 0·30 | ... | ... | ... | 1·56 |
| | Bagerhat | ... | ... | 1·01 | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·01 | ... | 0·75 | 0·60 | 0·08 | ... | ... | ... | 1·58 |
| | Khulna | 0·03 | ... | 1·60 | 0·85 | 0·08 | 0·04 | ... | ... | ... | ... | 0·60 | ... | 1·59 | 0·45 | 0·08 | 0·15 | ... | ... | 1·05 | 0·46 |
| | *Kaliganj* | 0·03 | ... | 0·95 | 0·43 | 0·15 | ... | ... | ... | ... | ... | 0·45 | 0·15 | 1·05 | 0·95 | ... | ... | ... | ... | ... | 0·15 |
| | Nakipur | 0·75 | ... | 1·55 | ... | ... | ... | 0·12 | ... | 0·07 | ... | ... | ... | ... | 3·66 | 0·25 | 0·35 | ... | ... | ... | 0·91 |
| | *Dumuria* | 0·12 | 0·35 | 1·40 | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·38 | 1·58 | 0·70 | ... | ... | ... | ... | 0·50 |
| | Rampal | 0·09 | 0·41 | 0·37 | 0·13 | ... | ... | ... | ... | ... | ... | 0·01 | ... | 0·16 | 1·28 | 0·32 | ... | 0·87 | ... | ... | 0·02 |
| | *Katurea* | ... | ... | 1·50 | 0·32 | ... | ... | ... | ... | ... | ... | ... | 0·64 | 1·02 | 0·32 | 0·01 | ... | ... | ... | ... | 0·09 |
| | *Paikgachha* | ... | 0·64 | 1·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·63 | 0·33 | ... | ... | ... | ... | 0·24 |
| | *Mollahat* | ... | 0·25 | 1·57 | ... | ... | ... | ... | ... | ... | ... | 1·20 | ... | 0·03 | 1·21 | 0·32 | 0·03 | ... | ... | ... | |
| | *Horeiganj* | ... | ... | 1·40 | 0·20 | ... | 0·07 | ... | ... | ... | ... | | | | | | | | | | |
| | *Tala* | ... | ... | | | | | | | | | | | | | | | | | | |

Burdwan.

Presidency.

## STATIONS IN BENGAL IN SEPTEMBER 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 30th Sept. 1909. | Average rainfall from 16th May to 30th Sept. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1·96 | 0·56 | 0·25 | ... | ... | ... | ... | 0·26 | 0·30 | ... | 12 | 9·65 | 12·62 | 7·08 | 3·25 | 62·12 | 42·68 | Kalna | Burdwan ... | Burdwan. | South-West Bengal. |
| 1·85 | 0·27 | 0·24 | 1·15 | ... | ... | 0·44 | 0·02 | 1·02 | 0·69 | 12 | 12·10 | 9·89 | 8·59 | 1·85 | 67·20 | 45·84 | Burdwan | | | |
| 1·45 | 0·06 | 0·46 | ·06 | ... | ... | ... | ... | 0·15 | 0·20 | 13 | 11·23 | 10·78 | 8·35 | 2·19 | 64·85 | 43·13 | Katwa. | | | |
| 23·5 | 0·40 | 0·08 | ... | 0·05 | 0·26 | 0·17 | 2·30 | 0·12 | 1·32 | 17 | 11·61 | 11·27 | 7·60 | 2·35 | 49·04 | 47·18 | Raniganj. | | | |
| 1·18 | 0·13 | 1·13 | ... | ... | ... | 1·22 | 0·82 | 0·43 | 1·25 | 16 | 10·44 | 12·29 | 10·40 | 1·50 | 66·54 | 48·87 | Mankur. | | | |
| 1·44 | 0·28 | 0·58 | ... | ... | ... | 0·02 | 1·22 | 0·59 | 1·70 | 15 | 12·68 | 9·95 | 9·77 | 1·79 | 55·68 | 50·42 | Suri | Birbhum ... | | |
| 2·43 | ... | ... | ... | ... | ... | ... | 0·25 | 1·21 | 2·04 | 9 | 11·77 | 9·76 | 10·08 | 2·43 | 63·85 | 48·01 | Hetampur. | | | |
| 0·78 | 0·19 | 0·23 | ... | ... | ... | ... | ... | 0·12 | 1·20 | 13 | 12·82 | 5·27 | 11·14 | 1·20 | 50·00 | 47·18 | Rampur Hât. | | | |
| 1·90 | 0·02 | 0·80 | 0·30 | ... | ... | 0·15 | 0·11 | ... | 0·55 | 11 | 11·94 | 7·60 | 9·78 | 2·00 | 50·02 | 45·18 | Bolpur. | | | |
| 1·29 | ... | 0·31 | ... | ... | ... | ... | ... | 0·11 | 2·62 | 12 | 10·85 | 9·22 | 11·09 | 2·62 | 59·06 | 50·74 | Murari. | | | |
| 3·55 | ... | ... | ... | ... | ... | ... | ... | ... | 2·00 | 7 | 12·00 | 10·09 | 10·48 | 3·55 | 58·25 | 43·76 | Labpur. | | | |
| 1·79 | 0·31 | 0·15 | ... | ... | ... | ... | 0·03 | 0·40 | 1·62 | 13 | 12·53 | 10·11 | 8·75 | 1·80 | 64·72 | 45·82 | Bankura ... | Bankura ... | | |
| 2·55 | 0·29 | 0·16 | ... | ... | ... | ... | ... | ... | ... | 13 | 11·50 | 7·40 | 9·23 | 2·55 | 63·94 | 48·44 | Vishnupur. | | | |
| 1·80 | 0·49 | 0·11 | 0·03 | 0·05 | ... | 0·27 | 3·05 | 0·26 | 1·56 | 15 | 11·29 | 13·32 | 6·93 | 3·05 | 64·61 | 43·33 | Maliara | | | |
| 3·08 | 0·34 | 0·21 | ... | ... | ... | ... | 0·30 | 0·33 | 0·32 | 13 | 11·57 | 12·61 | 9·42 | 3·49 | 54·52 | 49·88 | Khatra. | | | |
| 1·85 | 0·36 | 0·28 | ... | ... | ... | ... | 0·22 | 1·01 | 0·55 | 14 | 11·00 | 9·53 | 9·33 | 1·85 | 40·67 | 45·30 | Indas. | | | |
| 2·03 | 2·19 | ... | ... | ... | ... | ... | ... | ... | 1·45 | 9 | 8·94 | 14·79 | 7·55 | 4·09 | 58·35 | 45·59 | Kotalpur. | | | |
| 1·[illegible] | 0·21 | 0·07 | ... | ... | ... | ... | 0·51 | 0·13 | 0·26 | 14 | 10·38 | 6·97 | 9·61 | 1·15 | 44·89 | 43·69 | Onda. | | | |
| 1·38 | [illegible] | 0·12 | ... | ... | ... | 1·[illegible] | 0·11 | ... | 0·37 | 14 | 10·50 | 11·65 | 8·48 | 3·15 | 52·01 | 46·75 | Gangajalghati. | | | |
| 3·50 | 0·15 | [illegible] | ... | ... | ... | ... | ... | 0·40 | 0·22 | 10 | 11·75 | 14·06 | 9·15 | 5·34 | 46·40 | 51·01 | Raipur. | | | |
| 1·96 | 0·48 | 1·24 | ... | ... | ... | ... | ... | 1·78 | 1·07 | 15 | 10·06 | 14·42 | 8·52 | 1·96 | 56·08 | 43·93 | Sonamukhi. | | | |
| 2·76 | 0·35 | ... | ... | ... | ... | ... | ... | 0·20 | ... | 9 | ? | 7·39 | ? | 2·76 | 45·59 | ? | Pachet ... | Midnapore ... | | |
| 2·05 | 1·76 | ... | ... | ... | ... | ... | 0·[illegible] | 0·11 | ... | 11 | 12·87 | 9·55 | 11·06 | 2·62 | 52·59 | 51·54 | Contai. | | | |
| 2·74 | 0·23 | ... | ... | 0·06 | ... | ... | 0·22 | 0·10 | ... | 9 | 10·70 | 6·68 | 9·23 | 2·74 | 49·40 | 47·12 | Tamluk. | | | |
| 2·56 | 0·33 | 0·68 | ... | ... | ... | ... | 0·32 | 0·10 | ... | 11 | 12·13 | 8·67 | 8·72 | 2·56 | 53·70 | 45·71 | Midnapore. | | | |
| 1·65 | 0·07 | 0·63 | ... | ... | ... | ... | 0·32 | 0·10 | ... | 13 | 12·12 | 13·56 | 9·49 | 3·23 | 54·61 | 48·46 | Ghatal. | | | |
| 1·37 | 0·03 | ... | 0·17 | ... | ... | ... | 0·59 | ... | 0·15 | 12 | 12·64 | 9·28 | 10·88 | 2·20 | 58·86 | 49·28 | Kukrahaty. | | | |
| 2·20 | 1·40 | ... | ... | ... | ... | ... | ... | 0·22 | [illegible] | 12 | 11·50 | 9·74 | 9·00 | 2·20 | 56·81 | 49·68 | Amlagura. | | | |
| 1·57 | 0·21 | 0·05 | ... | ... | ... | ... | 0·19 | ... | ... | 9 | 11·00 | 9·80 | 10·01 | 3·26 | 51·18 | 47·42 | Panskura. | | | |
| 3·20 | 1·20 | ... | ... | ... | ... | 1·00 | ... | 0·19 | 0[illegible] | 9 | 9·88 | 7·69 | 8·47 | 3·20 | 41·36 | 45·22 | Dantan. | | | |
| 1·50 | 0·50 | ... | 0·28 | ... | ... | 0·12 | 0·16 | 1·08 | 0·[illegible] | 10 | ? | 9·63 | ? | 2·25 | 48·08 | ? | Chandrakona. | | | |
| 2·20 | 0·07 | ... | ... | ... | ... | ... | 1·41 | ... | ... | 8 | ? | 9·57 | ? | 2·77 | 55·04 | ? | Bhagwanpur. | | | |
| 3·25 | 0·20 | ... | ... | ... | ... | ... | ... | 0·20 | ... | 9 | ? | 7·60 | ? | 3·25 | | ? | Kultikri. | | | |
| 2·82 | 0·28 | 0·05 | ... | ... | 0·14 | 0·30 | 0·26 | ... | 1·15 | 12 | ? | 10·53 | ? | 2·83 | 45·14 | ? | Nayabasan. | | | |
| 2·94 | 0·84 | 0·17 | ... | ... | 0·03 | 0·03 | 2·26 | ... | ... | 13 | ? | 16·10 | ? | 2·94 | | ? | Gidni. | | | |
| 3·00 | 0·85 | 0·33 | ... | ... | 0·38 | ... | 1·18 | ... | 0·55 | 14 | ? | 14·78 | ? | 3·96 | 55·73 | ? | Silda. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Chandre. | | | |
| 0·35 | 0·43 | ... | ... | ... | 1·90 | 0·40 | 1·42 | ... | 0·87 | 12 | ? | 15·76 | ? | 3·21 | 56·64 | ? | Goalfore. | | | |
| 2·60 | 0·46 | 0·06 | ... | ... | ... | 0·02 | 0·13 | ... | 0·11 | 12 | ? | 11·95 | ? | 2·60 | | ? | Salboni. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Narainganh. | | | |
| 1·66 | ... | ... | ... | ... | 0·02 | 0·05 | 0·16 | ... | 0·04 | 10 | ? | 9·61 | ? | 3·80 | | ? | Ramnagar. | | | |
| 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ? | 5·00 | ? | 2·00 | 68·40 | ? | Mohanpur. | | | |
| 0·75 | ... | ... | ... | ... | ... | 0·10 | 0·20 | ... | ... | 10 | ? | 8·72 | ? | 2·65 | | ? | Heria. | | | |
| 2·60 | 0·11 | 0·04 | 0·03 | ... | ... | ... | 1·36 | 0·07 | 0·05 | 10 | [illegible] | 12·99 | ? | 2·6[illegible] | 55·88 | ? | Janka (Khejari). | | | |
| 0·72 | 0·32 | ... | ... | ... | ... | ... | ... | ... | ... | 10 | [illegible] | 7·08 | ? | 1·16 | 44·06 | ? | Nandigram. | | | |
| 0·20 | ... | ... | ... | ... | ... | 1·23 | ... | ... | ... | [illegible] | [illegible] | [illegible] | ? | 3·49 | | ? | Moyna. | | | |
| 2·61 | 0·18 | | ... | ... | ... | ... | | ... | 0·50 | [illegible] | [illegible] | [illegible] | ? | 2·60 | | ? | Pingla. | | | |
| 2·03 | 0·16 | 0·02 | ... | ... | ... | ... | 0·36 | ... | [illegible] | 11 | ? | [illegible] | ? | 3·18 | 32·33 | ? | Sarajolo. | | | |
| 2·35 | 0·52 | 0·03 | 0·15 | ... | ... | ... | 0·67 | ... | ... | 12 | 11·80 | [illegible] | [illegible] | [illegible] | 54·28 | 46·86 | Serampore ... | Hooghly ... | | |
| 1·33 | ... | 0·31 | ... | ... | | ... | 0·09 | 0·16 | 0·[illegible]6 | 10 | 11·74 | [illegible] | [illegible] | [illegible] | 46·45 | 45·26 | Hooghly. | | | |
| 2·66 | 1·61 | 1·00 | ... | ... | ... | ... | 1·41 | ... | 0·23 | 12 | 12·23 | 16·5[illegible] | [illegible] | [illegible] | 59·60 | 48·04 | *Arambagh* (Jahanabad). | | | |
| 3·07 | 0·05 | 0·16 | 0·02 | ... | ... | ... | 0·12 | ... | 0·16 | 11 | 12·55 | 8·01 | 9·[illegible] | [illegible] | [illegible]29 | 47·57 | Howrah ... | Howrah ... | | |
| 2·75 | 0·18 | 0·07 | ... | ... | ... | ... | 0·45 | 0·28 | 0·02 | 12 | 11·54 | 9·69 | 8·79 | [illegible] | [illegible]37 | 47·01 | Mohesreka. | | | |
| 4·30 | 0·20 | 0·03 | ... | ... | ... | ... | 0·44 | ... | 0·12 | 10 | 12·50 | 9·37 | 10·15 | [illegible] | [illegible] | 43·18 | Ulubaria. | | | |
| 1·78 | 0·45 | 0·20 | ... | ... | ... | ... | 0·30 | 0·01 | 0·04 | 12 | ? | 9·65 | ? | 3·66 | 56·66 | ? | *Amta.* | | | |
| 2·78 | 0·05 | 0·06 | ... | 0·05 | ... | ... | 1·12 | 0·15 | 0·04 | 10 | 13·29 | 11·39 | 12·10 | 2·78 | 58·81 | 56·55 | Saugor Island | 24-Parganas ... | Presidency. | |
| 1·02 | 0·05 | ... | ... | ... | 0·07 | ... | 0·58 | ... | 0·02 | 8 | 13·03 | 9·85 | 11·07 | 3·48 | 64·68 | 53·30 | Diamond Harbour. | | | |
| 3·72 | 0·35 | 0·07 | 0·26 | ... | ... | ... | 0·05 | ... | 0·50 | 10 | ? | 9·25 | ? | 3·72 | 54·60 | ? | *Budge-Bu*[illegible] | | | |
| 0·92 | 0·[illegible]6 | 0·21 | 1·20 | 0·07 | ... | ... | ... | 0·05 | 0·02 | 12 | 12·81 | 8·60 | 9·74 | 2·46 | 48·03 | 52·45 | Canning Town. | | | |
| 2·50 | 0·10 | 0·08 | 0·13 | ... | ... | ... | ... | ... | 0·04 | 12 | 13·38 | 9·29 | 10·40 | 2·50 | 60·12 | 49·3[illegible] | Alipore (Obsy.). | | | |
| 0·40 | 0·05 | ... | 0·23 | ... | ... | ... | 0·41 | ... | ... | 11 | 11·32 | 10·33 | 8·81 | 3·78 | 56·36 | 45[illegible] | Barrackpore | | | |
| 1·46 | 0·14 | ... | ... | ... | ... | ... | ... | ... | 0·61 | 8 | 12·71 | 8·15 | 9·88 | 3·51 | 51·76 | 48[illegible]9 | Dum-Dum. | | | |
| 0·40 | 0·08 | 0·02 | ... | ... | ... | ... | 0·04 | ... | 0·07 | 9 | 11·94 | 8·93 | 9·43 | 2·10 | 53·80 | 45·60 | Barasat. | | | |
| 1·01 | 0·75 | 0·35 | 0·19 | ... | ... | ... | ... | ... | ... | 9 | 11·32 | 5·02 | 9·19 | 1·39 | 43·51 | 49·52 | Basirhat. | | | |
| ... | ... | ... | 0·42 | ... | ... | ... | 0·31 | 0·53 | 0·63 | 12 | ? | 24·86 | ? | 8·25 | | ? | Frasergunj. | | | |
| 0·98 | 0·49 | 0·52 | 0·01 | ... | ... | ... | 0·04 | 0·64 | 0·51 | 12 | 10·55 | 9·32 | 7·72 | 2·15 | 56·71 | 43·05 | Ranaghat ... | Nadia ... | | |
| 0·51 | 0·23 | 0·11 | ... | ... | 0·21 | ... | 0·26 | ... | 0·21 | 12 | 10·45 | 7·07 | 7·97 | 2·63 | 60·53 | 41·60 | Krishnagar. | | | |
| 1·06 | ... | 0·03 | 0·38 | ... | ... | 0·01 | ... | ... | 0·36 | 10 | 11·50 | 7·10 | 8·75 | 2·02 | 55·91 | 43·76 | Chuadanga. | | | |
| 1·93 | 0·04 | ... | 0·69 | ... | ... | 0·63 | ... | ... | 0·58 | 10 | 10·94 | 6·77 | 9·33 | 1·93 | 48·51 | 43·16 | Meherpur | | | |
| 0·52 | ... | 0·01 | 0·50 | ... | ... | ... | 0·21 | ... | 0·26 | 10 | 11·65 | 4·58 | 9·62 | 1·30 | 40·23 | 45·90 | Kushtia | | | |
| 0·70 | 0·06 | ... | ... | ... | ... | 0·05 | 0·08 | 0·07 | 0·08 | 6 | ? | 3·91 | ? | 1·52 | 39·37 | ? | Haringhata. | | | |
| 1·52 | 0·10 | ... | ... | ... | ... | ... | ... | 0·05 | ... | 11 | 12·43 | 8·26 | 9·63 | 2·92 | 60·14 | 45·43 | Kandi .. | Murshidabad | | |
| 2·07 | ... | 0·04 | 0·10 | ... | ... | ... | ... | 0·06 | 0·59 | 12 | 12·48 | 12·78 | 9·79 | 3·34 | 64·78 | 44·17 | Berhampore | | | |
| 1·38 | ... | ... | ... | ... | ... | 0·14 | ... | ... | 0·80 | 11 | 12·42 | 9·67 | 10·05 | 1·83 | 67·73 | 47·01 | Lalbagh. | | | |
| 0·44 | 0·10 | 0·46 | 1·57 | ... | ... | 1·43 | 0·08 | 1·33 | ... | 12 | 12·45 | 8·74 | 9·30 | 1·57 | 68·24 | 44·11 | Azimganj. | | | |
| 0·89 | 0·21 | 0·35 | 0·10 | ... | 0·03 | 1·82 | ... | ... | 1·53 | 14 | 12·17 | 8·21 | 10·40 | 3·53 | 64·65 | 44·75 | Jangipur. | | | |
| 0·75 | 0·17 | 0·67 | 2·10 | ... | 0·15 | 0·72 | 0·10 | 0·20 | 0·68 | 11 | 12·79 | 8·24 | 10·91 | 2·37 | 47·12 | 46·54 | Lalgola. | | | |
| 0·55 | 0·02 | 0·96 | 0·60 | 1·05 | ... | 0·30 | 0·14 | 0·15 | 0·23 | 13 | 11·60 | 8·38 | 9·15 | 1·63 | 51·90 | 45·30 | Akriganj. | | | |
| | | | | | | | | | | | 7·23 | | 6·51 | | | 35·90 | Patkabari. | | | |
| 0·49 | 0·23 | 0·29 | 0·25 | ... | ... | 3·84 | 0·89 | ... | 1·03 | 15 | 10·65 | 13·15 | 8·38 | 3·84 | | 45·65 | Dumkal. | | | |
| 3·25 | ... | 0·23 | 0·17 | ... | ... | 0·60 | ... | ... | 1·15 | 16 | ? | 13·55 | ? | 3·25 | 65·51 | ? | *Kulliyanganj.* | | | |
| 2·34 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | 7 | 10·70 | 6·36 | 7·44 | 2·34 | 62·30 | 42·15 | Narail | Jessore .. | | |
| 1·44 | 0·57 | ... | 0·40 | ... | 0·55 | ... | ... | ... | ... | 9 | 11·94 | 5·89 | 9·00 | 1·44 | 62·96 | 45·98 | Jessore. | | | |
| | | | | | | | | | | | 11·47 | | 8·88 | | | 45·71 | Jhenida | | | |
| 2·05 | ... | 0·25 | 1·05 | 0·43 | 0·15 | ... | 1·02 | 0·40 | 0·45 | 12 | 10·87 | 9·11 | 8·13 | 2·05 | 65·97 | 44·26 | Magura. | | | |
| 0·92 | 0·62 | 0·66 | ... | 0·12 | 0·70 | 0·33 | ... | 1·12 | ... | 13 | 10·35 | 12·00 | 8·78 | 2·24 | 76·89 | 44·97 | Bangaon. | | | |
| 1·21 | 0·02 | 0·01 | 0·08 | 0·02 | ... | ... | ... | 0·01 | ... | 7 | 11·94 | 9·24 | 9·12 | 2·20 | 56·33 | 48·33 | Satkhira | Khulna | | |
| 1·57 | 0·40 | 0·36 | ... | ... | ... | 0·23 | 0·83 | 0·23 | 0·02 | 11 | 12·47 | 8·71 | 9·01 | 2·00 | 62·22 | 45·04 | Bagerhat | | | |
| 5·30 | 0·84 | 0·08 | 0·87 | ... | ... | ... | ... | 0·07 | ... | 9 | 12·57 | 12·33 | 9·57 | 5·30 | 80·72 | 49·61 | Khulna. | | | |
| 1·55 | 0·22 | ... | 0·05 | 0·11 | ... | 0·07 | 0·10 | 0·09 | ... | 10 | ? | 7·69 | ? | 1·60 | 57·14 | ? | *Kaliganj.* | | | |
| 1·41 | 0·12 | ... | 0·28 | 0·21 | ... | ... | ... | 0·11 | 0·25 | 14 | 10·27 | 8·39 | 9·16 | 1·59 | 55·95 | 49·88 | Nakipur. | | | |
| 0·85 | 0·09 | ... | ... | ... | ... | 0·75 | 0·05 | 0·16 | 0·08 | 11 | ? | 8·39 | ? | 1·55 | 66·00 | ? | *Dumuria.* | | | |
| 1·24 | ... | ... | ... | ... | ... | 0·45 | ... | 0·29 | ... | 11 | 12·09 | 8·38 | 10·18 | 3·66 | 59·41 | 53·30 | Rampal. | | | |
| 0·65 | 0·25 | ... | 0·23 | ... | ... | ... | ... | 0·25 | ... | 11 | ? | 6·09 | ? | 1·53 | 40·59 | ? | *Kalaroa.* | | | |
| 1·14 | 0·12 | ... | 0·02 | 0·15 | ... | ... | ... | ... | ... | 10 | ? | 6·39 | ? | 1·50 | 55·48 | ? | *Paikgachha.* | | | |
| 1·23 | 0·21 | 0·10 | 0·20 | ... | ... | ... | 0·19 | ... | ... | 10 | ? | 5·63 | ? | 1·23 | 68·67 | ? | *Mollahat.* | | | |
| 1·00 | 0·27 | 0·23 | 0·41 | ... | ... | 0·70 | 1·26 | 0·38 | 0·[illegible]2 | 11 | ? | 8·14 | ? | 1·63 | 66·86 | ? | *Morelganj.* | | | |
| 0·47 | 0·35 | 0·06 | ... | 0·20 | ... | ... | ... | 0·05 | ... | 9 | ? | 5·73 | ? | 1·40 | 52·29 | ? | *Tala.* | | | |

# TABLE OF RAINFALL RECORDED AT

| Division | District | Station | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patna | Patna | *Patna* | 0·18 | ... | ... | 0·08 | ... | ... | ... | ... | ... | 0·44 | ... | ... | ... | ... | 2·27 | 0·71 | ... | ... | ... | ... |
| | | *Dinapore* | 0·72 | ... | 0·03 | 0·25 | ... | ... | ... | 0·04 | 0·06 | 0·06 | ... | ... | ... | ... | 2·75 | 0·13 | ... | ... | 0·06 | ... |
| | | Bihar | 2·31 | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·72 | 0·60 | ... | ... | ... | ... |
| | | Barh | 0·29 | ... | 0·15 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·17 | ... | ... | ... | 0·32 | ... |
| | | Bikram | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 1·65 | 0·90 | ... | ... | ... | ... |
| | | Hilsa | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·80 | 1·10 | ... | ... | ... | ... |
| | | Islampur | ... | ... | 1·25 | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... | 1·64 | 0·11 | ... | ... | 0·05 | ... |
| | | Asthawan | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·10 | ... | ... | ... | 0·35 | ... |
| Patna | Gaya | Aurangabad | 0·05 | ... | 0·73 | 0·50 | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | ... | 1·43 | [illegible] | ... | 0·19 | ... | ... |
| | | Gaya | 0·44 | ... | 1·24 | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·94 | [illegible] | ... | ... | ... | ... |
| | | Nawadah | 0·02 | ... | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·84 | [illegible] | ... | ... | 0·84 | ... |
| | | Jahanabad | 0·12 | ... | 0·07 | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | [illegible] | ... | ... | ... | ... |
| | | Arwal | ... | ... | 1·63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 1·0[illegible] | 0·33 | ... | ... | ... | ... |
| | | Daudnagar | ... | ... | ... | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·[illegible] | 0·13 | 0·24 | ... | ... | ... |
| | | Sherghati | 1·27 | ... | 1·41 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | 0·64 | ... | ... | ... | ... |
| | | Rajauli | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6·86 | ... | ... | ... | 1·35 | ... | 0·45 |
| | | Pakri Barawan | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·01 | 0·17 | ... | ... | ... | 1·20 | 0·24 |
| | | *Deo* | ... | 0·02 | 0·50 | 0·26 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·41 | 1·65 | ... | ... | ... | ... |
| | | *Nonwagar* | ... | 0·07 | 0·21 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·56 | 0·28 | ... | ... | ... | ... |
| | Shahabad | Buxar | 0·63 | ... | 0·14 | 0·33 | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | 1·15 | 0·48 | ... | ... | ... | ... |
| | | Dehri | ... | 0·01 | 1·06 | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·26 | 1·15 | ... | 0·82 | ... | ... |
| | | Bhabhua | 0·18 | ... | 1·30 | ... | ... | ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | 1·00 | 0·97 | 0·01 | ... | ... | ... |
| | | Sasaram | 0·13 | 0·02 | 3·49 | 0·27 | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | 0·69 | 0·53 | ... | ... | 0·10 | 0·43 |
| | | Arrah | 0·92 | ... | 0·58 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·63 | 0·72 | 0·27 | ... | ... | ... |
| | | Mohanea | ... | ... | 1·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·70 | 1·25 | 0·10 | ... | ... | ... |
| | | Agraon | ... | ... | 1·89 | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | 0·80 | ... | ... | ... | ... |
| | | Ramagar | 0·75 | ... | 0·80 | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | 0·77 | ... | ... | ... | ... |
| | | Koath | 0·08 | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·63 | 1·44 | 0·05 | ... | ... | ... |
| | | Sikroul | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·42 | 0·18 | 0·10 | 0·05 | ... | ... |
| | | Bassowan | ... | 0·59 | 2·16 | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·08 | 0·24 | 0·16 | ... | 0·30 | ... |
| | | Monaharpur | 0·08 | ... | 0·03 | 0·47 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | | | |
| | | *Akherpur* | 0·13 | 0·51 | 2·44 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·40 | 1·10 | ... | ... | ... | | |
| | | Chand | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... |
| | | Chanari | 0·30 | 4·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Kargahar | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Adhaura | | | | | | | | | | | | | | | | | | | | |
| | Saran | Gopalganj | ... | ... | ... | 0·70 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | ... | ... | ... | ... | ... |
| | | Siwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | 0·07 | ... |
| | | Ekma | ... | 0·75 | ... | ... | ... | ... | ... | ... | ... | 0·65 | ... | ... | ... | ... | 0·31 | 0·22 | ... | ... | 1·16 | ... |
| | | Chapra | 0·15 | ... | 0·50 | 0·05 | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | 0·80 | 0·25 | 0·20 | ... | ... | ... |
| | | *Hathwa* | ... | ... | 0·33 | ... | ... | ... | ... | ... | ... | [illegible] | ... | ... | ... | ... | 0·28 | 0·35 | ... | ... | 1·12 | ... |
| | | Amnor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·00 | ... | ... | ... | ... | ... |
| | | Basantpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | 0·40 | 0·16 | ... | ... | ... | ... |
| | | *Darauli* | 0·03 | ... | 0·33 | ... | ... | ... | ... | ... | ... | [illegible] | ... | ... | ... | 0·17 | ... | ... | ... | ... | 0·55 | ... |
| | | *Bharch* | ... | ... | 0·05 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | ... | ... | 0·85 | ... |
| | | *Sripur* | 0·03 | ... | 0·69 | 0·33 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | 0·70 | ... | ... | ... | ... |
| | | Parsa | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·40 | ... | ... | ... | ... | 1·85 | 2·50 | ... | ... | ... | ... |
| | | Maharajganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·68 | ... | ... | ... | ... | ... |
| | | Masrah | 0·28 | ... | 0·14 | ... | ... | ... | ... | ... | 0·38 | ... | ... | ... | ... | ... | 0·69 | 0·03 | ... | ... | 0·07 | ... |
| | Champaran | Motihari | 0·67 | ... | ... | [illegible] | ... | ... | ... | ... | ... | 0·49 | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... |
| | | Bettiah | 0·78 | ... | 0·56 | [illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·88 | ... | ... | ... | 0·14 | ... |
| | | Bagaha | 0·37 | ... | 1·59 | [illegible] | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... | ... | 0·12 | ... | ... | 0·04 | ... |
| | | Burhurwa | ... | ... | ... | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·61 | ... | ... | ... | ... | ... |
| | | *Ramnagar* | ... | 0·03 | ... | ... | ... | ... | ... | ... | 0·25 | ... | 0·42 | ... | ... | 0·43 | 0·22 | ... | ... | ... | ... | 0·11 |
| | | *Narkatiaganj* | ... | ... | 0·47 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... |
| | | *Kissoriah* | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | ... | 0·46 |
| | | *Dhanaha* | ... | ... | 5·0 | 4·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... |
| Tirhut | Muzaffarpur | Sitamarhi | 0·30 | ... | ... | 0·28 | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | 0·50 | ... | ... | ... | 0·70 | ... |
| | | Muzaffarpur | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 0·06 | ... | ... | ... | ... | 0·86 | 0·07 | ... | ... | 0·23 | ... |
| | | Hajipur | 0·18 | ... | 0·03 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·81 | 0·02 | ... | ... | ... | ... |
| | | Paru | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·04 | ... | ... | ... | ... | ... |
| | | Mahua | 0·11 | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | ... | ... | ... | 0·97 | 0·76 | ... | ... | ... | ... |
| | | Shiuhar | 0·60 | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·72 | ... |
| | | Pupri | ... | ... | 0·80 | 0·85 | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | 0·35 | ... | ... | ... | 0·38 | ... |
| | | Raghopur | ... | 1·15 | 0·8[illegible] | 0·05 | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | ... | 1·87 | 0·12 | ... | ... | 0·02 | ... |
| | | Manine | | | | | | | | | | | | | | | | | | | | |
| | | Minapore | | | | | | | | | | | | | | | | | | | | |
| | | Katra | | | | | | | | | | | | | | | | | | | | |
| | | Patipur | | | | | | | | | | | | | | | | | | | | |
| | | Lalganj | | | | | | | | | | | | | | | | | | | | |
| | | Sursand | | | | | | | | | | | | | | | | | | | | |
| | | Sanbarsa | | | | | | | | | | | | | | | | | | | | |
| | | Bairagnia | ... | | ... | 1·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·34 | ... | ... | ... | ... | ... |
| | Darbhanga | Tajpur (Samastipur). | 0·45 | ... | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·55 | 0·38 | ... | ... | 0·15 | ... |
| | | Darbhanga | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | 0·54 | ... | ... | ... | 0·02 | ... |
| | | Madhubani | 0·03 | ... | ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | 0·89 | ... | ... | ... | 0·15 | ... |
| | | Bahera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·68 | ... | ... | ... | ... | ... |
| | | Rosera | 0·10 | ... | 0·25 | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... | 0·63 | 0·15 | ... | ... | 1·14 | ... |
| | | *Khutonia* | ... | ... | 0·26 | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | ... | ... | 0·65 | ... | ... | 0·50 | ... | 0·20 |
| | | *Ladania* | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·00 | ... | ... | ... | ... | 0·85 | ... | ... | ... | ... | ... |
| | | *Laukahi* | ... | ... | ... | 0·35 | ... | ... | ... | ... | ... | ... | 0·58 | ... | ... | ... | ... | ... | ... | ... | 0·52 | ... |
| | | *Khajouli* | 0·12 | ... | 0·14 | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | 1·34 | ... | ... | ... | ... | ... | 0·93 |
| | | *Banipatti* | ... | ... | ... | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·20 | ... | ... | ... | ... | ... |
| | | *Madhupur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | ... | ... | 0·26 | ... | 0·77 | ... |
| Bhagalpur | Monghyr | Begusarai | 0·04 | ... | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·05 | 0·04 | 0·25 | ... | 0·80 | 0·04 |
| | | Monghyr | ... | ... | 0·43 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·42 | ... | 0·17 | ... | 0·35 | ... |
| | | Jamui | 0·20 | ... | 0·10 | 0·07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 1·15 | 0·14 | ... | ... | 0·07 | ... |
| | | Gogri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·42 | ... | ... | ... | 1·33 | ... | 0·14 | ... | 2·66 | ... |
| | | Jamalpur | ... | ... | 0·09 | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | 0·18 | 0·25 | 0·06 | ... | ... | ... |
| | | Shaikhpura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·45 | ... | ... | ... | 0·60 | ... |
| | | Chakai Bamda | 0·01 | 0·31 | 0·10 | 0·01 | ... | ... | ... | 0·42 | ... | ... | ... | ... | ... | 0·01 | 2·17 | 0·18 | ... | ... | 1·52 | ... |
| | | Chupreon | ... | ... | 0·52 | ... | ... | ... | ... | ... | 0·04 | 0·01 | ... | ... | ... | ... | 0·58 | 0·19 | ... | ... | ... | ... |
| | | Gidhour | 0·20 | ... | 0·18 | 0·10 | ... | ... | ... | ... | ... | ... | 0·67 | ... | ... | 0·12 | 1·40 | 0·08 | ... | ... | ... | ... |
| | | Kharagpur | 0·26 | 0·06 | 0·06 | 0·13 | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | 2·00 | 0·05 | ... | ... | ... | ... |

## ATIONS IN BENGAL IN SEPTEMBER 1909—*continued.*

| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 30th Sept 1909. | Average rainfall from 16th May to 30th Sept. | Station. | District. | Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1·07 | 0·52 | ... | 0·25 | 0·34 | ... | 1·14 | ... | ... | 0·38 | 10 | 9·29 | 6·76 | 7·82 | 2·27 | | 38·92 | Patna ... | Patna ... | Patna. |
| 0·53 | 1·28 | ... | 0·04 | 0·45 | 0·09 | 0·35 | ... | ... | 1·39 | 8 | 9·09 | 6·85 | 7·30 | 2·15 | 40·18 | 40·32 | Dinapore. | |
| 0·50 | 0·13 | 0·14 | ... | 0·05 | | | | | | | 9·23 | | 6·73 | | | 39·63 | Bihar. | |
| 0·55 | 0·72 | ... | [illegible] | ... | ... | 0·90 | ... | 0·10 | 4·06 | 9 | 8·77 | 10·29 | 7·57 | 4·06 | 41·97 | 37·69 | Barh. | |
| 0·27 | 0·64 | 0·30 | | ... | 1·05 | ... | ... | ... | 0·42 | 9 | 8·53 | 5·73 | 6·93 | 1·65 | 39·87 | 41·45 | Bikram. | |
| 1·40 | 0·20 | ... | | 0·55 | ... | 0·40 | ... | ... | 1·20 | 8 | 7·93 | 8·90 | 6·83 | 4·80 | 54·98 | 40·68 | Hilsa. | |
| 1·88 | ... | 0·53 | ... | 0·26 | 1·28 | 0·24 | ... | ... | 0·96 | 10 | ? | 8·42 | ? | 1·88 | 51·69 | ? | *Islampur.* | |
| 0·50 | 0·20 | ... | ... | ... | ... | ... | ... | 0·92 | ... | 7 | ? | 6·57 | ? | 4·10 | 38·07 | ? | *Asthawan.* | |
| 0·64 | ... | ... | 0·40 | [illegible] | .. | 0·31 | 0·01 | 0·28 | 0·10 | 11 | 8·94 | 6·54 | 6·64 | 1·43 | 45·44 | 40·21 | Aurangabad. | Gaya ... | |
| 0·21 | 0·06 | 0·23 | 0·09 | 2·[illegible] | ... | 0·23 | 0·07 | 0·04 | 0·90 | 10 | 9·13 | 9·24 | 6·87 | 2·94 | 58·21 | 37·90 | Gaya. | |
| 0·84 | 0·33 | .. | ... | 0·71 | ... | 0·25 | ... | ... | 0·65 | 7 | 8·07 | 8·53 | 6·84 | 4·84 | 39·30 | 38·35 | Nawadah. | |
| 0·31 | 0·08 | 0·54 | 0·07 | 1·41 | ... | 2·13 | ... | 0·05 | 1·04 | 8 | 7·96 | 7·14 | 6·13 | 2·12 | 47·21 | 38·49 | Jahanabad. | |
| 0·47 | ... | ... | 0·38 | 0·15 | ... | ... | 0·65 | 0·15 | 2·40 | 10 | 8·13 | 7·46 | 7·18 | 2·40 | 41·55 | 37·49 | Arwal. | |
| 0·06 | 0·18 | 0·13 | 0·45 | | [illegible] | 1·80 | | ... | 0·37 | 10 | 7·38 | 7·33 | 5·60 | 1·59 | 42·86 | 36·43 | Daudnagar. | |
| 0·10 | 0·05 | ... | ... | 0·31 | ... | 1·22 | 0·05 | 0·04 | 1·42 | 8 | 8·31 | 8·58 | 6·92 | 2·04 | 43·39 | 36·05 | Sherghati. | |
| ... | ... | ... | .. | ... | 0·45 | 0·26 | ... | .. | 0·74 | 7 | 8·79 | 11·86 | 6·75 | 6·86 | 38·64 | 39·84 | Rajauli. | |
| ... | ... | ... | 0·42 | ... | 0·10 | [illegible] | ... | 3·50 | 0·06 | 7 | 7·89 | 9·43 | 6·05 | 3·50 | 48·72 | 37·47 | Pakri Barawan. | |
| 0·17 | [illegible] | ... | 0·06 | 0·35 | ... | [illegible] | ... | 0·01 | 0·56 | 8 | ? | 5·17 | ? | 1·65 | 35·50 | ? | *Deo.* | |
| 0·08 | 0·03 | ... | ... | ... | ... | [illegible] | ... | 0·04 | 0·12 | 7 | ? | 4·88 | ? | 2·56 | 26·68 | ? | *Nabinagar.* | |
| 0·25 | 0·10 | ... | 1·72 | [illegible] | 0·31 | 0·03 | ... | ... | 0·50 | 11 | 9·03 | 4·94 | 6·08 | 1·72 | 42·36 | 35·59 | Buxar ... | Shahabad ... | |
| 0·55 | 0·04 | .. | 0·18 | 0·03 | ... | 0·08 | ... | ... | 0·58 | 7 | 8·94 | 4·56 | 6·46 | 1·15 | 38·11 | 38·14 | Dehri | |
| 0·08 | 0·63 | ... | 0·03 | ... | ... | 0·20 | ... | ... | 0·25 | 9 | 8·97 | 6·30 | 6·72 | 1·30 | 39·57 | 37·17 | Bhabhua. | |
| 0·26 | 0·10 | ... | 0·08 | ... | 0·01 | 2·16 | 0·19 | ... | 1·76 | 10 | 9·61 | 10·45 | 6·84 | 3·49 | 51·55 | 37·22 | Sasaram. | |
| 0·38 | ... | ... | ... | 0·87 | 0·04 | 2·36 | ... | 0·14 | ... | 11 | 9·29 | 7·63 | 8·23 | 2·36 | 38·11 | 40·08 | Arrah. | |
| | | | | | | | | | | | 6·07 | | 6·37 | | | 40·25 | Mohanea. | |
| 0·64 | 0·14 | ... | 0·19 | ... | 0·88 | 0·38 | 0·64 | ... | [illegible] | 12 | 7·22 | 6·71 | 8·36 | 1·89 | 30·28 | 40·88 | Ageaon. | |
| ... | ... | 0·47 | 0·62 | ... | 1·07 | ... | 0·55 | ... | [illegible] | 11 | 8·11 | 7·55 | 7·57 | 1·67 | 38·96 | 38·49 | Ramagar. | |
| ... | ... | ... | 0·39 | ... | ... | 0·21 | 1·63 | .. | [illegible] | 6 | 8·00 | 3·35 | 6·63 | 1·03 | 35·70 | 37·64 | Koath. | |
| 0·20 | ... | ... | 0·42 | ... | 0·05 | 0·45 | 0·08 | ... | [illegible] | 6 | 7·11 | 2·46 | 6·08 | 0·77 | 34·31 | 34·66 | Sikroul. | |
| 0·21 | 0·02 | 0·27 | 0·03 | ... | ... | 0·10 | 0·45 | ... | 0·78 | 9 | 9·22 | 6·82 | 7·47 | 2·16 | 35·05 | 39·42 | Bassowan. | |
| 0·25 | 0·06 | 0·12 | 0·06 | ... | 0·41 | 0·06 | 0·77 | ... | 1·03 | 8 | 8·89 | 4·38 | 6·16 | 1·03 | 35·38 | 37·77 | Monaharpur. | |
| 0·14 | ... | ... | ... | 0·17 | ... | 0·12 | ... | ... | 0·18 | 11 | ? | 6·18 | ? | 2·44 | 46·84 | ? | *Akberpur.* | |
| | | | | | | | | | | | ? | | ? | | | ? | Chand. | |
| | | | | | | | | | | | ? | | ? | | | ? | Chenari. | |
| | | | | 0·50 | | | | | | | ? | | ? | | | ? | Karagahar. | |
| | | | | | | | | | | | ? | | ? | | | ? | Adhaura. | |
| 0·87 | ... | ... | ... | .. | 1·55 | ... | ... | ... | ... | 4 | 7·83 | 3·07 | 8·01 | 1·53 | 51·52 | 39·29 | Gopalganj ... | Saran ... | Tirhut. |
| 0·95 | ... | ... | 0·28 | ... | ... | ... | 0·11 | ... | ... | 4 | 9·42 | 1·63 | 8·62 | 0·95 | 43·95 | 40·18 | Siwan. | |
| ... | 0·40 | ... | ... | ... | ... | ... | 0·12 | ... | ... | 6 | 7·50 | 3·61 | 8·22 | 1·16 | 36·10 | 39·91 | Ekma. | |
| 0·26 | 0·15 | 0·05 | ... | 0·35 | 0·50 | ... | 2·05 | ... | 0·20 | 12 | [illegible] | 6·19 | 7·22 | 2·05 | | 35·75 | Chapra. | |
| 1·22 | 0·02 | ... | 0·16 | ... | ... | ... | ... | ... | 0·09 | 7 | [illegible] | 3·70 | ? | 1·2[illegible] | 49·12 | ? | *Hathwa.* | |
| 0·10 | ... | ... | 0·30 | ... | 0·20 | ... | ... | ... | 0·24 | [illegible] | [illegible] | 1·84 | 8·85 | 1·00 | 48·73 | 43·00 | Amnor. | |
| 0·25 | ... | ... | .. | ... | .. | ... | ... | ... | ... | [illegible] | [illegible] | [illegible] | 8·26 | 0·65 | 42·37 | 40·12 | Basantpur. | |
| 0·43 | 0·06 | ... | 0·59 | ... | 0·08 | ... | ... | ... | 0·50 | [illegible] | [illegible] | [illegible] | ? | 0·59 | 35·47 | ? | *Darauli.* | |
| 0·64 | ... | ... | 0·84 | ... | ... | ... | ... | ... | [illegible] | 4 | [illegible] | [illegible] | [illegible] | 0·85 | 66·21 | ? | *Ghoreh* | |
| 0·89 | ... | ... | ... | ... | ... | ... | 0·12 | ... | . | 5 | ? | [illegible] | [illegible] | 0·89 | 46·90 | ? | *Gopipur.* | |
| 2·50 | ... | ... | ... | ... | 1·70 | . | ... | ... | 0·70 | 6 | ? | [illegible] | [illegible] | [illegible] | ? | ? | Parsa. | |
| 0·80 | 0·19 | ... | 0·70 | ... | 0·80 | 0·10 | 0·10 | ... | 0·11 | 8 | ? | [illegible] | [illegible] | [illegible] | ? | ? | Moharajganj. | |
| 0·71 | ... | ... | 0·43 | ... | 0·68 | ... | ... | ... | 0·01 | 7 | ? | 3·42 | [illegible] | [illegible] | ? | ? | Masrah. | |
| 0·37 | ... | ... | .. | 0·02 | 0·06 | ... | ... | ... | ... | 4 | 8·97 | 1·89 | 9·[illegible] | [illegible] | [illegible]·12 | 44·96 | Motihari | Champaran ... | |
| ... | ... | ... | 0·07 | .. | ... | ... | ... | ... | ... | 5 | 8·90 | 2·75 | 10·26 | [illegible] | [illegible]·3 | 46·67 | Bettiah. | |
| 0·70 | ... | ... | 0·35 | 0·80 | 1·63 | ... | ... | ... | ... | 9 | 9·13 | 6·40 | 11·16 | 1·62 | [illegible] | 54·83 | Bagaha. | |
| 1·09 | ... | ... | ... | ... | 0·08 | ... | ... | ... | .. | 2 | 8·13 | [illegible]·52 | 8·58 | 1·61 | 41·14 | 42·85 | Burhurwa. | |
| 0·09 | . | 0·04 | ... | 1·82 | ... | ... | ... | ... | 1·64 | 7 | ? | [illegible]·05 | ? | 1·82 | 45·70 | ? | *Ramnagar.* | |
| ... | ... | ... | ... | ... | ... | ... | | ... | 0·45 | 3 | ? | 1·37 | ? | 0·47 | 37·30 | ? | *Narkotiaganj* | |
| ... | ... | 0·25 | 0·28 | 0·06 | ... | ... | ... | ... | 0·48 | 6 | ? | 2·64 | ? | 0·61 | 44·17 | ? | *Kissoriah* | |
| 0·25 | ... | ... | 0·12 | ... | ... | ... | ... | ... | ... | 5 | ? | 9·47 | ? | 5·00 | 52·51 | ? | *Dhanaha[illegible]* | |
| 0·30 | ... | | ... | 0·50 | ... | 0·86 | ... | .. | 2·75 | 8 | 8·50 | 6·22 | 9·15 | 2·75 | 46·38 | 41·[illegible]2 | Sitamarhi | Muzaffarpur | |
| 0·76 | ... | 0·08 | ... | 2·09 | 0·23 | 0·25 | ... | ... | ... | 6 | 8·94 | 4·22 | 8·17 | 2·00 | 48·95 | 3[illegible]·3 | Muzaffarpur. | |
| 0·20 | 0·06 | 0·50 | 0·04 | 0·04 | 0·62 | 1·68 | ... | ... | 0·26 | 8 | 9·07 | 4·66 | 7·73 | 1·08 | 47·91 | 39·17 | Hajipur. | |
| 0·31 | ... | ... | ... | ... | 1·23 | | ... | ... | 1·00 | | 8·63 | | 8·91 | | | 41·60 | Paru. | |
| 0·36 | 0·06 | ... | ... | 0·25 | 0·86 | 0·72 | ... | ... | 0·16 | 9 | 7·79 | 4·53 | 7·58 | 0·97 | 47·62 | 41·45 | Mahua. | |
| 0·80 | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | 5 | 7·33 | 3·93 | 8·18 | 1·42 | 46·65 | 37·44 | Shiuhar. | |
| 0·65 | 0·13 | ... | ... | 0·26 | ... | ... | 0·08 | ... | 0·83 | 8 | 7·31 | 4·42 | 7·49 | 0·85 | 39·73 | 40·02 | Pupri. | |
| 0·95 | 0·55 | ... | 0·46 | 0·26 | 0·30 | 0·76 | ... | ... | 0·40 | 12 | ? | 8·51 | ? | 1·87 | | ? | Raghopur. | |
| | | | | | | | | | | | ? | | ? | | | ? | Mamne. | |
| | | | | | | | | | | | ? | | ? | | | ? | Minapore. | |
| | | | | | | | | | | | ? | | ? | | | ? | Katra. | |
| | | | | | | | | | | | ? | | ? | | | ? | Patipur. | |
| | | | | | | | | | | | ? | | ? | | | ? | Lalganj. | |
| | | | | | | | | | | | ? | | ? | | | ? | Sursand. | |
| | | | | | | | | | | | ? | | ? | | | ? | Sonbarsa. | |
| 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | 0·77 | 4 | ? | 2·70 | ? | 1·09 | | ? | Bairagnia. | |
| 0·33 | ... | ... | ... | ... | 0·94 | 0·30 | ... | 0·73 | 1·26 | 10 | 9·20 | 7·20 | 8·34 | 2·55 | 60·28 | 40·80 | Tajpur (Samastipur). | Darbhanga ... | |
| 0·29 | ... | ... | 0·23 | 0·70 | 0·09 | 1·48 | ... | 0·03 | 1·38 | 5 | 9·27 | 4·05 | 9·33 | 1·48 | 57·72 | 42·71 | Darbhanga. | | |
| 0·65 | 0·15 | ... | 0·08 | .. | 0·11 | 0·06 | 0·10 | ... | 0·74 | 8 | 9·40 | 3·25 | 9·8[illegible] | 0·89 | 51·48 | 43·83 | Madhubani. | | |
| ... | ... | ... | ... | ... | ... | 2·22 | ... | .. | ... | 2 | 8·81 | 5·09 | 12·16 | 2·24 | 51·50 | 48·72 | Bahera. | | |
| 0·55 | ... | ... | ... | ... | 0·36 | 0·41 | ... | 0·52 | 4·48 | 11 | 9·50 | 8·73 | 10·70 | 4·48 | 73·16 | 44·23 | Roseha. | | |
| ... | ... | 0·14 | 0·13 | 0·05 | ... | ... | ... | 0·65 | 0·40 | 9 | ? | 3·78 | ? | 0·80 | 40·58 | ? | *Khutahna.* | | |
| 1·02 | ... | ... | ... | .. | .. | ... | ... | ... | 0·70 | 4 | ? | 4·07 | ? | 1·02 | 52·09 | ? | *Ladania.* | | |
| 0·10 | ... | ... | 0·23 | 0·70 | ... | ... | ... | .. | 1·15 | 7 | ? | 3·63 | ? | 2·15 | 49·99 | ? | *Lankahi.* | | |
| 0·12 | ... | 0·06 | ... | 0·12 | ... | ... | ... | 0·54 | 0·55 | 9 | ? | 4·14 | ? | 1·34 | 55·83 | ? | *Khajouli.* | | |
| 0·32 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ? | 1·54 | ? | 0·90 | 40·20 | ? | *Bampatti.* | | |
| 0·75 | .. | ... | ... | ... | ... | 0·40 | ... | 0·18 | 3·03 | 6 | ? | 5·43 | ? | 3·02 | 54·23 | ? | *Madhupur.* | | |
| 0·30 | 0·06 | ... | 0·07 | 0·05 | 2·85 | 4·50 | .. | 0·40 | 3·35 | 18 | 9·29 | 13·36 | 7·65 | 4·50 | 60·30 | 38·61 | Begusarai | Monghyr ... | Bhagalpur. |
| 0·76 | ... | ... | 0·16 | 0·04 | ... | 1·06 | 0·93 | 0·41 | 3·55 | 10 | 10·52 | 9·27 | 8·71 | 3·55 | 53·00 | 40·73 | Monghyr. | | |
| 1·30 | 0·95 | 0·10 | 0·10 | 0·70 | 0·05 | 1·43 | 0·20 | 2·60 | 0·90 | 13 | 9·65 | 10·13 | 7·45 | 2·60 | 45·35 | 41·51 | Jamui. | | |
| 1·00 | ... | ... | 0·48 | ... | 0·88 | 0·58 | 0·09 | 2·76 | 2·56 | 10 | 9·06 | 12·90 | 11·30 | 2·76 | 58·57 | 48·72 | Gogri. | | |
| 0·77 | 0·08 | ... | 0·73 | ... | ... | 0·26 | 0·57 | 0·23 | 2·93 | 8 | 10·00 | 6·24 | 11·25 | 2·92 | 65·18 | 49·60 | Jamalpur. | | |
| 0·74 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 5·31 | 5·21 | 6·48 | 3·15 | 51·57 | 38·12 | Shaikhpura. | | |
| 0·82 | 0·36 | 0·14 | ... | ... | 0·09 | 0·20 | 1·72 | 3·13 | 0·88 | 12 | 10·89 | 11·50 | 9·92 | 3·13 | 37·80 | 47·24 | Chakai Bamda. | | |
| 1·40 | ... | ... | 0·12 | . | 0·12 | 0·92 | 0·45 | 0·11 | 2·31 | 11 | 9·13 | 7·30 | 12·25 | 2·31 | 57·12 | 42·87 | Chupreou. | | |
| 0·70 | 0·45 | ... | 0·60 | 1·43 | 0·12 | 0·30 | 0·94 | 0·67 | 0·70 | 15 | 10·57 | 8·09 | 9·67 | 1·43 | 41·08 | 40·38 | Gidhour. | | |
| 0·35 | 0·23 | ... | 0·20 | 0·41 | 0·30 | 0·20 | 0·16 | 1·36 | 3·80 | 13 | 10·33 | 10·50 | 11·05 | 3·80 | 62·70 | 45·46 | Kharagpur. | | |

BIHAR

## TABLE OF RAINFALL RECORDED AT

| Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bhagalpur—*concld.* | Bhagalpur | Madhipura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | ... | 2·65 | ... |
| | | Bangaon (Syfabad). | | | | | | | | | | | | | | | | | | | | |
| | | Supaul ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 | ... | ... | ... | ... | ... |
| | | Pratapganj ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | 0·42 | ... | ... | ... | 0·70 | 0·38 | ... | ... | ... | 0·20 | ... |
| | | Bhagalpur .. | ... | 0·03 | 0·02 | 0·24 | ... | ... | ... | ... | ... | ... | 0·73 | ... | ... | ... | 0·32 | ... | ... | ... | ... | ... |
| | | Banka ... | ... | 0·30 | 0·30 | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | 1·23 | ... | ... | ... | ... | ... |
| | | Colgong ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | ... | ... | ... | 0·29 | ... | ... | ... | ... | ... |
| | | Bansli ... | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·13 | ... | ... | ... | ... | ... |
| | Darjeeling ... | Siliguri .. | ... | 6·20 | 0·02 | 0·42 | ... | 1·26 | ... | 1·00 | 1·40 | 0·60 | 0·09 | ... | ... | 0·23 | 1·37 | ... | ... | ... | ... | ... |
| | | Darjeeling .. | | | | | | | | | | | | | | | | | | | | |
| | | Kalimpong . | ... | 1·45 | 0·78 | ... | 0·27 | 0·63 | 0·04 | 1·10 | 0·32 | ... | 0·03 | ... | ... | 0·05 | 1·30 | 0·53 | ... | ... | 0·04 | ... |
| | | Mongpoo ... | 0·02 | 0·83 | 1·53 | 0·07 | 0·11 | 0·28 | 0·02 | 1·25 | 0·43 | 0·02 | 0·07 | 0·13 | 0·06 | 0·75 | 1·0[illegible] | 0·30 | ... | 0·45 | 0·10 | 0·02 |
| | | Kurseong ... | ... | 1·34 | 0·21 | 0·25 | 4·31 | 0·04 | 0·02 | 5·01 | 0·06 | ... | 0·23 | 0·02 | 0·58 | 0·19 | [illegible] | 1·28 | ... | ... | 0·24 | 0·02 |
| | | Pedong .. | 0·02 | 0·43 | 2·61 | 0·13 | 0·79 | 0·85 | 1·70 | 1·58 | 0·59 | 0·01 | 0·55 | ... | 0·11 | 0·43 | [illegible] | 0·52 | ... | ... | 0·04 | 0·02 |
| | Purnea ... | Kishanganj ... | ... | 2·00 | 1·50 | ... | ... | ... | ... | ... | ... | 0·37 | 0·50 | ... | ... | ... | 1·47 | 0·12 | ... | ... | ... | ... |
| | | Araria ... | 0·03 | 0·05 | 0·39 | ... | ... | ... | ... | ... | ... | 0·22 | 0·60 | ... | ... | [illegible] | ... | 0·15 | ... | ... | ... | ... |
| | | Purnea ... | ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | ... | ... | [illegible] | 1·34 | ... | ... | ... | ... | 1·10 |
| | | Gondwara (*Korah*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·00 |
| | | Barsoe | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·43 | ... | ... | [illegible] | [illegible] | ... | ... | ... | ... | ... |
| | | Forbesganj | ... | 0·04 | 0·01 | 0·48 | ... | ... | ... | ... | ... | 0·15 | 1·35 | ... | ... | ... | 0·35 | 0·03 | ... | ... | ... | ... |
| | | Kaliaganj | 1·50 | 1·50 | ... | ... | ... | ... | ... | ... | ... | 1·00 | 1·10 | | | | | | | | | |
| | Sonthal Parganas. | Rajmahal .. | 0·09 | 0·04 | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | 1·38 | 0·18 | 0·30 | ... | ... | ... | 0·21 |
| | | Godda .. | 0·07 | .. | 0·34 | ... | ... | ... | ... | ... | ... | | | ... | ... | ... | 0·15 | ... | ... | ... | ... | .. |
| | | Pakaur | ... | ... | 4·02 | 0·77 | ... | ... | ... | ... | ... | 0·70 | 0·1[illegible] | ... | ... | 0·42 | 1·05 | 0·28 | ... | ... | ... | 0·07 |
| | | Naya Dumka | ... | ... | 2·32 | 0·04 | ... | ... | ... | ... | ... | 0·00 | 0·2[illegible] | ... | ... | 0·03 | 0·64 | 0·04 | ... | ... | ... | ... |
| | | Deoghur | ... | ... | 1·12 | 0·21 | ... | ... | ... | ... | ... | ... | [illegible] | ... | ... | 0·23 | 1·45 | 0·04 | ... | ... | ... | ... |
| | | Jamtara . | ... | 0·80 | 0·50 | 0·44 | ... | ... | ... | ... | ... | 0·04 | | ... | 0·01 | 0·15 | 0·50 | ... | ... | ... | ... | ... |
| | | *Mohagama* ... | 0·11 | ... | 0·71 | 0·07 | | | | | | | | ... | ... | ... | 0·60 | ... | ... | ... | ... | |
| | | Nanihat .. | 0·08 | 1·02 | ... | ... | ... | ... | ... | ... | 0·14 | ... | ... | ... | ... | ... | 1·07 | ... | ... | ... | ... | ... |
| | | Assenboni | 0·25 | ... | 0·80 | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | 0·85 | ... | ... | ... | |
| | | Katikund ... | ... | 0·45 | 1·02 | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | | 1·24 | ... | ... | ... | ... |
| | | Madhupur ... | ... | 0·80 | 0·43 | ... | ... | ... | ... | ... | | ... | ... | ... | ... | 0·50 | 0·50 | 0·70 | ... | ... | ... | ... |
| | | Sarwan . | 0·45 | 0·13 | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | 0·31 | 1·45 | ... | ... | ... | ... | ... | 0·03 |
| | | Sarath ... | ... | 0·70 | 0·31 | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | 0·27 | 0·05 | ... | ... | ... | ... | ... |
| | | Poorya . | ... | ... | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·11 | 0·23 | ... | ... | ... | 0·25 |
| | | Bhakya .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Mahespur . ... | ... | ... | 3·57 | 0·41 | ... | ... | ... | ... | 0·30 | 0·23 | 0·50 | ... | ... | 0·15 | 0·30 | 0·38 | ... | ... | ... | ... |
| | | *Hiranpur* ... | 0·30 | 1·40 | 0·94 | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | 0·86 | 1·01 | 0·30 | ... | ... | 0·58 | ... | 1·48 |
| | | Barnarwa .. | ... | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | 0·37 | ... | .. | ... | 0·98 | .. | ... | ... | 0·08 | ... |
| | | Sahibganj ... | .. | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | 1·45 | ... | ... | ... | 1·53 | 0·20 | ... | ... | ... | ... |
| | | *Bario* . | ... | ... | 0·44 | 0·07 | [illegible] | ... | .. | ... | ... | [illegible] | 0·04 | ... | ... | ... | 0·14 | 0·23 | ... | ... | ... | 0·03 |
| | | Amrapura ... | ... | ... | 2·52 | 0·76 | ... | ... | ... | ... | 1·00 | ... | ... | ... | ... | ... | 0·70 | ... | ... | ... | 0·90 | 0·85 |
| Orissa. | Sambalpur .. | Sambalpur ... | 0·03 | [illegible] | ... | 0·11 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·00 | ... | ... | ... | ... | ... |
| | | Bargarh ... | 0·36 | [illegible] | ... | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | . | 0·05 | ... | ... | ... | ... | ... | ... |
| | | *Padampur* (*Barasamber*). | 0·65 | ... | ... | 0·62 | 0·12 | [illegible] | ... | ... | ... | ... | ... | ... | 1·24 | 0·15 | ... | .. | ... | ... | ... | ... |
| | Uria Feudatory States. | Bhawanipatna | ... | ... | 0·43 | ... | ... | ... | .. | ... | ... | 0·07 | | 0·75 | 0·07 | ... | ... | ... | ... | 1·66 | ... | 1·42 |
| | | Bolangir ... | ... | ... | [illegible] | ... | ... | ... | ... | ... | ... | ... | 1·14 | ... | ... | 0·11 | ... | ... | ... | ... | ... | ... |
| | | Sonepur ... | 0·50 | ... | 0·92 | [illegible] | ... | ... | 0·63 | ... | ... | .. | 0·39 | ... | ... | 0·31 | ... | ... | ... | ... | ... | ... |
| | | Sambalpur ... | 0·01 | ... | 0·26 | [illegible] | 0·10 | 0·27 | ... | ... | ... | ... | 0·47 | ... | 0·15 | 0·63 | ... | ... | ... | ... | ... | 0·43 |
| | | Deoghur ... | 0·05 | 0·30 | 1·25 | [illegible] | ... | ... | ... | ... | ... | ... | 0·10 | 1·82 | 1·35 | 0·10 | 0·80 | ... | ... | ... | ... | 0·30 |
| | | Gangpur ... | 0·01 | ... | 0·52 | 0·47 | 0·54 | 0·09 | 0·05 | ... | ... | ... | 0·25 | .. | ... | 0·30 | 1·22 | 0·09 | ... | ... | 0·54 | ... |
| | | Bonaigurh ... | ... | ... | 0·75 | 0·20 | 0·05 | ... | ... | ... | ... | ... | 2·60 | 0·08 | ... | 0·27 | 2·25 | ... | ... | ... | ... | 0·22 |
| | Cuttack . | Jagatsingpur | ... | ... | 2·54 | 0·33 | 0·19 | 0·13 | 0·18 | ... | ... | ... | ... | .. | 3·40 | 1·46 | 0·80 | ... | ... | 0·20 | ... | 0·84 |
| | | Banki | ... | ... | 1·85 | 1·22 | 0·72 | 0·04 | 0·02 | ... | ... | 0·27 | 0·12 | 2·72 | 0·49 | 0·75 | 0·06 | ... | ... | ... | 0·04 | 0·06 |
| | | Cuttack ... | ... | ... | 1·97 | 0·25 | 0·14 | 0·70 | 0·12 | ... | .. | ... | 0·17 | 0·18 | 2·08 | 0·65 | 0·11 | ... | ... | 0·52 | ... | 1·35 |
| | | False Point ... | ... | ... | 0·85 | 0·20 | 0·22 | ... | ... | ... | ... | ... | ... | . | 1·04 | 2·42 | 0·98 | .. | ... | 0·52 | ... | 2·50 |
| | | Kendrapara . | ... | ... | 0·80 | 0·72 | 0·32 | 0·04 | . | 0·18 | ... | ... | ... | 1·27 | 1·55 | 2·20 | 0·60 | ... | ... | ... | ... | 0·28 |
| | | Jajpur . | 0·01 | ... | 1·47 | 0·27 | 0·20 | 0·07 | 0·35 | ... | ... | ... | ... | 1·55 | 0·25 | 2·21 | 0·78 | 0·15 | ... | ... | ... | 0·73 |
| | | Dharmsala .. | ... | 0·37 | 0·41 | 0·30 | 1·02 | ... | ... | ... | ... | ... | 0·11 | 0·20 | 1·30 | .. | ... | ... | ... | ... | 1·85 | 1·05 |
| | | Salepur .. | 0·37 | 0·32 | 1·50 | 0·56 | 0·11 | 0·40 | 0·06 | ... | ... | .. | ... | 0·28 | 0·26 | 1·80 | 0·56 | ... | ... | ... | ... | 0·60 |
| | Balasore | Akhyapada ... | ... | ... | 0·26 | 0·36 | 0·26 | 0·21 | 0·43 | ... | ... | .. | ... | 0·06 | 0·15 | 1·70 | 0·41 | ... | 0·12 | ... | ... | 0·55 |
| | | Chandbali | ... | ... | 0·90 | 1·95 | 0·58 | 0·30 | .. | 0·13 | ... | ... | ... | ... | 0·99 | 1·60 | 0·87 | ... | ... | ... | ... | 1·10 |
| | | Bhadrak | ... | ... | 0·15 | 0·09 | 0·21 | 0·16 | 0·58 | ... | ... | ... | ... | 0·03 | 2·31 | 2·21 | 0·76 | ... | ... | 0·09 | ... | 0·42 |
| | | Soro | ... | ... | 0·52 | 0·50 | 0·52 | 0·40 | ... | ... | ... | ... | .. | | 0·10 | 1·06 | 0·15 | ... | ... | ... | ... | 1·28 |
| | | Balasore .. | | | | | | | | | | | | | | | | | | | | |
| | | Jellasore . | ... | 0·02 | 0·12 | 0·39 | 0·55 | 0·07 | ... | ... | ... | 1·41 | ... | ... | 0·07 | 0·84 | 0·11 | ... | ... | 0·38 | ... | 0·45 |
| | | *Baliapal* .. | .. | 0·09 | 1·26 | 0·15 | 0·13 | 0·03 | ... | ... | ... | 0·75 | 1·86 | ... | 0·37 | 1·29 | 0·33 | ... | ... | ... | ... | 0·35 |
| | | *Eram* (Basudeohpur). | ... | 0·11 | 4·86 | 0·63 | 0·05 | 0·09 | 0·56 | ... | ... | ... | ... | ... | 0·67 | 1·07 | 0·04 | ... | ... | ... | ... | 0·50 |
| | | *Turigaria* .. | .. | 0·30 | 0·50 | 1·00 | 0·20 | 1·00 | 0·98 | ... | ... | 0·10 | ... | ... | .. | 1·72 | 0·29 | ... | ... | ... | ... | 0·45 |
| | | *Banuth* ... | 0·40 | ... | 0·20 | 0·50 | 0·46 | 0·50 | 0·10 | ... | ... | ... | ... | ... | ... | 1·26 | 0·55 | ... | ... | ... | ... | 0·85 |
| | Angul | Angul .. | ... | ... | 0·25 | 0·42 | 0·21 | ... | ... | ... | ... | ... | ... | ... | 0·16 | 0·08 | ... | .. | ... | ... | ... | 0·16 |
| | | Bissipara .. | 0·83 | ... | 1·30 | 0·66 | 0·18 | 0·01 | 0·11 | ... | ... | ... | 0·01 | 0·10 | ... | 0·34 | 0·30 | 0·01 | ... | ... | ... | 0·30 |
| | | *Chhendipada* | ... | 0·20 | 0·36 | ... | 0·35 | | ... | ... | ... | ... | ... | ... | ... | . | ... | ... | ... | 0·20 | 0·66 | 0·64 |
| | | *Tikerpara* .. | 0·14 | . | 1·74 | 0·88 | 0·47 | 0·24 | ... | ... | ... | ... | 0·22 | . | ... | 0·18 | 0·50 | ... | ... | ... | ... | 0·96 |
| | | *Balandapara* | 0·41 | 0·[illegible] | 0·69 | 0·22 | 0·04 | ... | 0·63 | 0·02 | ... | ... | 2·00 | 0·13 | 0·95 | 0·47 | 0·11 | 0·20 | ... | ... | ... | 0·25 |
| | Orissa Tributary Mahals | Baramba | .8 | ... | 0·70 | 3·47 | 0·73 | ... | ... | ... | ... | ... | ... | ... | 0·56 | 0·25 | 0·07 | ... | ... | ... | ... | ... |
| | | Kanjabongarh | ... | 0·08 | 0·13 | 0·76 | 0·01 | 0·38 | ... | ... | ... | ... | 0·39 | 0·41 | 0·18 | 0·03 | ... | ... | ... | ... | 0·38 | 0·82 |
| | | Dhenkanal ... | 0·48 | ... | 0·11 | 0·56 | 0·03 | 0·04 | ... | ... | ... | 0·34 | 0·03 | 1·70 | 0·59 | 0·29 | 0·50 | ... | ... | ... | ... | 0·30 |
| | | *Bazinga* . | 0·05 | 0·25 | 0·40 | 0·15 | 0·14 | ... | ... | ... | ... | ... | 2·04 | 1·70 | 0·28 | 0·22 | ... | ... | ... | ... | ... | 1·51 |
| | | Keonjhar ... | ... | 0·11 | 0·43 | 0·22 | 0·04 | ... | ... | ... | .. | ... | ... | 0·15 | 0·48 | 5·48 | ... | ... | ... | ... | 0·19 | 1·73 |
| | | Anandapur ... | ... | ... | 0·29 | 0·04 | 0·50 | 3·11 | ... | ... | ... | ... | 0·64 | ... | 0·06 | 1·41 | 0·14 | ... | ... | 0·03 | ... | 0·34 |
| | | Baripada ... | . | ... | 0·24 | 0·31 | 0·23 | ... | ... | ... | ... | 0·10 | ... | .. | 0·02 | 3·01 | 0·06 | 0·28 | 0·23 | ... | 0·02 | 1·62 |
| | | *Karanjia* ... | 0·30 | ... | 0·50 | 0·54 | 0·02 | 0·03 | 0·16 | ... | ... | ... | ... | ... | 0·60 | 0·75 | 4·55 | ... | ... | ... | ... | 0·05 |
| | | Narsingpur ... | 0·54 | ... | 0·27 | 0·34 | 0·57 | 0·97 | ... | .. | ... | ... | 0·11 | 0·04 | ... | ... | 0·30 | ... | ... | ... | ... | 0·36 |
| | | Nayagarh ... | ... | 1·60 | 0·65 | 1·16 | 0·03 | ... | .. | ... | ... | 1·35 | 3·00 | 0·05 | 0·12 | 0·05 | 0·06 | ... | ... | 2·32 | 0·43 | ... |
| | | Pal Lahera ... | ... | ... | 0·48 | ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | 0·60 | 1·03 | ... | ... | ... | ... | 1·80 |
| | | Ranpur ... | . | ... | 0·62 | 1·05 | 1·50 | 0·90 | 0·60 | ... | ... | ... | 0·54 | 0·30 | 0·20 | 0·30 | 0·08 | 0·23 | ... | 0·48 | ... | 0·13 |
| | | Talcher ... | 0·70 | .4 | 0·10 | 0·11 | 0·22 | 0·22 | ... | ... | ... | ... | 0·90 | ... | 0·05 | 0·20 | 0·05 | ... | ... | ... | ... | 0·90 |
| | | *Athmalik* .. | ... | ... | 1·88 | 0·26 | 0·31 | 0·35 | ... | ... | ... | ... | 0·10 | ... | ... | 0·19 | 0·06 | ... | ... | ... | ... | ... |
| | | *Hindol* ... | ... | 0·02 | 2·20 | 0·20 | 0·31 | ... | ... | ... | ... | 0·14 | 0·13 | 0·07 | 0·15 | 0·08 | ... | ... | ... | ... | 0·07 | 0·04 |
| | | *Boad* .. | ... | 0·65 | 0·28 | ... | 0·37 | ... | ... | ... | ... | 0·95 | ... | ... | 0·52 | ... | ... | ... | ... | ... | 0·00 | 0·33 |
| | | *Nilgiri* .. | 0·17 | ... | 3·00 | 0·50 | [illegible]92 | 0·07 | 0·14 | ... | ... | ... | ... | ... | 0·13 | 0·42 | 0·26 | 0·07 | ... | ... | 0·41 | 1·61 |
| | | *Athgarh* ... | 0·43 | ... | 1·64 | 0·92 | 0·32 | 0·14 | 0·73 | ... | ... | ... | 0·60 | 0·65 | 0·54 | 0·60 | 0·12 | ... | ... | ... | ... | 0·42 |

STATIONS IN BENGAL IN SEPTEMBER 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 30th Sept. 1909. | Average rainfall from 16th May to 30th Sept. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1·12 | ... | 0·15 | ... | ... | ... | 1·10 | ... | 1·45 | 4·50 | [illegible] | 0·81<br>7·42 | 11·32 | 11·07<br>9·90 | 4·50 | 59·92 | 46·53<br>43·52 | Madhipura ..<br>Banguon (Sylabad). | Bhagalpur ... | Bhagalpur—*concluded.* | Bihar—*concluded.* |
| 1·15 | ... | ... | ... | ... | ... | 2·20 | ... | 0·32 | 4·25 | 5 | 10·20 | 8·37 | 10·36 | 4·25 | 52·90 | 45·92 | Supaul | | | |
| 0·22 | ... | 0·45 | [illegible] | 0·35 | 1·95 | ... | ... | 0·32 | 2·50 | 11 | 9·44 | 7·74 | 11·08 | 2·50 | 49·83 | 52·94 | Pratapganj. | | | |
| 0·47 | ... | 0·02 | [illegible] | 1·78 | 0·14 | ... | ... | 0·41 | 3·77 | 10 | 9·39 | 8·63 | 8·48 | 3·77 | 50·77 | 41·95 | Bhagalpur. | | | |
| 0·34 | 0·15 | ... | ... | ... | ... | ... | 0·82 | 0·96 | 0·42 | 9 | 11·29 | 4·56 | 8·90 | 1·23 | 35·42 | 41·68 | Banka. | | | |
| 0·83 | ... | ... | ... | ... | 1·27 | ... | ... | ... | 1·90 | 5 | 10·50 | 4·52 | 10·46 | 1·90 | 43·49 | 44·98 | Colgong. | | | |
| 1·15 | 0·20 | 0·07 | ... | ... | 0·39 | 0·38 | ... | 0·90 | 2·05 | 8 | 11·00 | 6·46 | 10·33 | 2·05 | 42·20 | 42·26 | Bansil. | | | |
| 0·46 | 0·15 | 2·21 | ... | 0·[illegible] | ... | 2·90 | ... | ... | 4·70 | 13 | 15·61<br>17·71 | 22·33 | 20·66<br>18·34 | 6·20 | 88·95 | 107·13<br>105·60 | Siliguri<br>Darjeeling. | Darjeeling ... | | |
| 0·[illegible] | 0·15 | ... | ... | ... | ... | 0·92 | 0·08 | 0·04 | 1·37 | 11 | 13·65 | 9·12 | 13·52 | 1·45 | 78·99 | 77·10 | Kalimpong | | | |
| 0·31 | 0·02 | ... | ... | 0·09 | [illegible] | 0·50 | 0·70 | 0·07 | 1·52 | 12 | 15·18 | 11·33 | 17·41 | 1·53 | 104·01 | 108·25 | Mongpoo. | | | |
| 0·94 | 0·02 | 0·23 | ... | 2·60 | ... | 2·80 | 1·73 | 0·87 | 2·33 | 18 | 20·25 | 26·48 | 24·40 | 5·91 | 147·93 | 143·39 | Kurseong | | | |
| 0·11 | 2·32 | 0·10 | 0·01 | 0·30 | [illegible] | 1·70 | 0·06 | 0·75 | 1·36 | 20 | 10·63 | 17·88 | 15·01 | 2·64 | 77·33 | 84·58 | Pedong. | | | |
| 0·75 | 0·52 | ... | ... | 0·17 | ... | 1·90 | 1·00 | 0·66 | 2·26 | 13 | 12·30 | 13·22 | 15·90 | 2·26 | 76·19 | 70·23 | Kishanganj .. | Purnea ... | | |
| 1·18 | ... | 0·43 | ... | 0·29 | ... | 1·95 | 0·04 | 0·70 | 2·94 | 10 | 11·53 | 11·08 | 14·22 | 3·70 | 66·10 | 62·94 | Araria. | | | |
| ... | 2·41 | 1·11 | ... | ... | 1·92 | [illegible] | ... | 0·88 | [illegible] | 8 | 11·40 | 8·42 | 14·34 | 1·92 | 59·02 | 56·51 | Purnea. | | | |
| 0·27 | ... | ... | ... | ... | 7·40 | ... | 0·33 | 0·50 | 9·15 | 6 | 9·73 | 21·01 | 12·96 | 9·15 | 70·40 | 51·53 | Gondwara (*Korah*). | | | |
| 0·05 | ... | 0·12 | ... | ... | 0·72 | 1·50 | ... | 0·80 | 6·36 | 8 | 10·44 | 4·45 | 14·85 | 1·50 | 47·13 | 63·20 | Barsoe. | | | |
| 0·04 | ... | 0·44 | ... | [illegible] | ... | [illegible] | ... | 0·55 | 1·96 | 9 | 11·44<br>12·00 | 7·81 | 17·44<br>18·49 | 2·39 | 59·87 | 64·48<br>83·58 | Forbesganj.<br>Kaliaganj. | | | |
| 0·23 | ... | ... | ... | ... | ... | 1·58 | ... | 0·04 | 1·50 | 7 | 10·80 | 5·55 | 11·25 | 1·58 | 38·90 | 45·94 | Rajmahal . | Sonthal Parganas. | | |
| 1·35 | ... | ... | 0·13 | ... | 0·70 | 0·16 | 0·07 | 0·40 | 2·56 | 8 | 11·21 | 5·93 | 9·71 | 2·56 | 41·20 | 42·18 | Godda. | | | |
| 0·68 | 0·23 | 2·20 | 0·11 | ... | ... | ... | 1·10 | .. | 1·79 | 13 | 13·28 | 13·52 | 12·47 | 4·02 | 60·44 | 51·16 | Pakaur. | | | |
| 1·72 | 0·04 | 0·05 | ... | ... | 0·03 | ... | 0·20 | 0·09 | 3·28 | 7 | 13·30 | 9·29 | 10·01 | 3·28 | 50·57 | 49·68 | Naya Dumka | | | |
| 1·25 | 0·10 | ... | ... | 0·31 | ... | 0·10 | [illegible] | 0·49 | [illegible] | 10 | 12·23 | 6·30 | 8·71 | 1·45 | 44·83 | 44·90 | Deoghur. | | | |
| 1·13 | 0·14 | ... | ... | ... | 0·37 | 0·05 | 1·02 | 0·97 | [illegible] | 11 | 11·32 | 6·66 | 7·84 | 1·13 | 50·97 | 45·76 | Jamtara | | | |
| | | | | | | 1·17 | | 2·30 | 2·38 | | ? | | ? | | | | *Mohargama.* | | | |
| 2·00 | ... | ... | ... | ... | 0·40 | ... | 1·33 | ... | 2·65 | 7 | 8·87<br>12·00 | 8·09 | 7·32<br>10·87 | 2·65 | 47·74 | 37·65<br>48·82 | Nanihat.<br>Assanboni. | | | |
| 1·93 | ... | ... | ... | ... | 0·11 | ... | ... | ... | 3·33 | 7 | 10·71 | 8·36 | 12·88 | 3·93 | 58·13 | 55·31 | Katikund. | | | |
| 0·70 | 0·35 | ... | ... | ... | ... | ... | 0·45 | 1·35 | 1·00 | 10 | 10·14 | 6·80 | 8·53 | 1·35 | 47·79 | 45·63 | Madhupur. | | | |
| 0·80 | 0·03 | ... | ... | 0·32 | 0·04 | 0·15 | 0·35 | 0·70 | 0·25 | 12 | 9·57 | 5·71 | 9·19 | 1·45 | 44·84 | 43·99 | Sarwan. | | | |
| 1·92 | ... | 0·25 | ... | ... | ... | ... | 2·10 | 0·65 | 0·56 | 9 | 10·57 | 7·31 | 9·69 | 2·10 | | 44·58 | Sarath. | | | |
| ... | 0·20 | ... | ... | 0·10 | ... | 0·40 | ... | 0·20 | 1·50 | 9 | 12·50 | 4·49 | 14·74 | 1·50 | 45·88 | 46·97 | Poorya | | | |
| ... | ... | ... | 0·75 | ... | ... | 1·00 | ... | ... | 5·25 | 3 | 8·00 | 7·00 | 12·62 | 5·25 | 44·52 | 41·87 | Bhagya. | | | |
| 0·71 | 0·28 | ... | 0·25 | ... | ... | 1·75 | ... | ... | 2·25 | 13 | 11·14 | 11·13 | 11·55 | 3·57 | 54·81 | 47·07 | Mohespur. | | | |
| 0·10 | 1·41 | 0·09 | ... | 0·11 | ... | ... | ... | ... | ... | | ? | | ? | | | | *Hiranpur.* | | | |
| 0·54 | ... | 0·28 | 0·10 | ... | ... | 0·56 | ... | 0·24 | 2·13 | 8 | [illegible]·71 | 5·33 | 14·58 | 2·13 | 44·27 | 49·53 | Bathiawa | | | |
| 0·71 | .. | ... | ... | ... | ... | 1·05 | ... | 0·11 | 4·15 | 8 | [illegible]·14 | 9·95 | 16·79 | 4·45 | 53·03 | 53·34 | Sahibganj. | | | |
| 0·73 | ... | ... | 0·04 | ... | 0·06 | 1·42 | ... | .. | 3·99 | 7 | ? | 7·28 | ? | 3·99 | 50·36 | ? | *Bario* | | | |
| 1·07 | 0·22 | 0·33 | 0·07 | ... | ... | ... | ... | 1·55 | 3·10 | 11 | [illegible] | 13·47 | ? | 3·10 | 70·83 | ? | Amrapura. | | | |
| 3·61 | 5·62 | ... | ... | ... | ... | ... | 0·19 | 0·53 | 0·70 | 7 | [illegible] | [illegible] | 8·86 | 5·62 | 58·55 | 58·61 | Sambalpur .. | Sambalpur ... | Orissa. | Orissa. |
| 0·40 | 6·79 | ... | ... | 0·02 | 0·32 | 0·07 | 3·11 | 0·10 | ... | | | 11·34 | 7·75 | 6·79 | 57·19 | 49·19 | Bargarh. | | | |
| ... | ... | 3·72 | ... | .. | 0·18 | ... | 0·53 | 0·63 | [illegible] | | ? | 7·96 | ? | 3·72 | 40·47 | ? | *Padampur (Barasamber).* | | | |
| ... | 0·52 | ... | ... | 0·16 | 0·10 | 0·54 | 5·23 | [illegible] | ... | 10 | ? | 13·[illegible] | ? | [illegible] | 63·82 | ? | Bhawanipatna | Uria Feudatory States. | | |
| 0·08 | 1·65 | .. | ... | .. | 0·40 | 0·26 | 0·16 | 1·26 | ... | 7 | ? | 5·06 | ? | 1·[illegible] | 45·97 | ? | Bolangir. | | | |
| 0·05 | 2·40 | ... | ... | ... | ... | ... | 0·65 | 1·44 | [illegible] | 10 | ? | 7·43 | ? | 2·40 | [illegible]·11 | ? | Sonepur. | | | |
| 0·73 | 1·58 | ... | ... | | ... | 0·10 | 0·02 | 0·20 | 0·22 | 12 | ? | 6·21 | ? | 1·58 | [illegible] | ? | Rampur. | | | |
| 0·80 | 8·00 | 0·28 | 0·28 | 0·75 | ... | 0·10 | 0·83 | 0·30 | 0·55 | 20 | ? | 13·81 | ? | | | | Deoghur. | | | |
| 0·40 | 1·51 | ... | ... | ... | .. | 0·75 | 1·87 | 1·08 | 0·40 | 14 | 10·05 | 10·81 | 8·52 | [illegible] | [illegible] | 53·26 | Ganjpur | | | |
| 0·05 | 1·80 | 0·30 | ... | 0·08 | 0·37 | 2·30 | 0·05 | 1·00 | 2·10 | 12 | ? | 14·47 | ? | 2·60 | [illegible] | ? | Bonaigurh. | | | |
| 0·29 | ... | ... | ... | 0·41 | 0·07 | 0·14 | 2·44 | 0·30 | ... | 15 | 11·66 | 13·72 | 9·04 | 3·40 | 57·81 | 44·42 | Jagatsingpur | Cuttack ... | | |
| 0·05 | ... | ... | ... | ... | ... | ... | 0·59 | 0·31 | 1·77 | 12 | 12·94 | 11·18 | 10·02 | 2·22 | 41·21 | 43·92 | Banki. | | | |
| 0·26 | 0·10 | ... | ... | 0·40 | ... | ... | ... | 2·30 | 0·02 | 16 | 13·00 | 11·33 | 10·48 | 2·30 | 52·77 | 48·6[illegible] | Cuttack. | | | |
| 1·65 | ... | ... | 0·24 | ... | ... | 0·24 | 0·17 | 0·41 | ... | 13 | 12·90 | 11·44 | 11·17 | 2·50 | 50·64 | 51·17 | Kalsa Point | | | |
| 1·44 | ... | ... | ... | 0·43 | 0·03 | 0·85 | 0·50 | 0·10 | 0·44 | [illegible] | 12·20 | 12·65 | 10·24 | 2·20 | 52·75 | 47·75 | Kendrapara | | | |
| 1·89 | 0·03 | 0·13 | ... | 0·12 | ... | 0·12 | 0·09 | 0·14 | [illegible] | [illegible] | 12·45 | 11·76 | 10·19 | 2·21 | 53·53 | 48·01 | Jajpur . | | | |
| 0·07 | ... | ... | ... | 0·51 | ... | 0·15 | ... | ... | ... | 11 | 10·09 | 7·43 | 10·04 | 1·85 | 45·71 | 48·4[illegible] | Dharmsala. | | | |
| 0·40 | 0·30 | ... | ... | 0·20 | ... | ... | ... | 0·52 | 0·20 | 16 | 11·09 | 8·44 | 9·47 | 1·80 | 55·34 | 47·[illegible] | Salepur. | | | |
| 1·48 | 0·05 | ... | ... | ... | ... | ... | 0·06 | ... | ... | 11 | 12·59 | 6·10 | 10·02 | 1·70 | 51·76 | 46·65 | Akhyapada . | Balasore . | | |
| 3·56 | | ... | ... | 0·13 | ... | ... | ... | 0·15 | ... | 12 | 12·14 | 12·06 | 11·44 | 3·56 | 61·21 | 47·02 | Chandbali. | | | |
| 1·05 | 0·26 | ... | 0·06 | ... | 3·56 | ... | ... | 0·22 | .. | 13 | 12·29 | 13·06 | 10·39 | 3·56 | 46·80 | 47·52 | Bhadrak. | | | |
| 2·88 | ... | 0·27 | 0·10 | 0·22 | ... | ... | ... | 0·20 | 0·35 | 14 | 12·04<br>13·[illegible]7 | 8·55 | 11·02<br>12·95 | 2·88 | 44·11 | 45·[illegible]5 | Soro. | | | |
| 3·42 | 2·12 | 0·48 | ... | ... | ... | 0·21 | 0·03 | 0·06 | 0·22 | 13 | 12·00 | 10·65 | 10·99 | 3·42 | 41·80 | 50·53<br>44·14 | Balasore.<br>Jellasore. | | | |
| 2·95 | 0·55 | 0·46 | 0·06 | ... | ... | ... | ... | 0·15 | ... | 13 | ? | 11·18 | ? | | 41·[illegible] | ? | *Baliapal.* | | | |
| 2·05 | ... | 0·04 | ... | 2·06 | ... | ... | 0·09 | 0·23 | ... | 10 | ? | 13·05 | ? | 4·86 | 44·97 | ? | *Oram* (Basudeopur). | | | |
| 2·18 | 0·05 | ... | ... | ... | ... | ... | ... | 0·20 | 1·15 | 13 | ? | 10·12 | ? | 2·18 | 46·39 | ? | *Tarsgaria.* | | | |
| 1·11 | 0·20 | ... | 0·28 | ... | ... | ... | 0·25 | 0·09 | 0·35 | 14 | ? | 7·10 | ? | 1·26 | 38·65 | ? | *Basuth.* | | | |
| 0·08 | 0·38 | ... | ... | ... | 0·08 | 0·15 | 0·77 | ... | 0·16 | 9 | 11·60 | 3·00 | 8·57 | 0·77 | 31·57 | 41·10 | Angul .. | Angul ... | | |
| 0·26 | 1·37 | ... | ... | ... | ... | 0·01 | 0·24 | 0·28 | 0·02 | 13 | 12·75 | 6·27 | 10·56 | 1·37 | 37·80 | 45·73 | Bisipara. | | | |
| 0·26 | .. | ... | ... | ... | ... | 0·03 | 1·83 | 0·96 | ... | 9 | ? | 6·49 | ? | 1·83 | 40·08 | ? | *Chhendipada.* | | | |
| 0·07 | 1·02 | 0·19 | ... | 0·05 | 0·04 | ... | 0·22 | 0·48 | 0·33 | 14 | ? | 7·82 | ? | 1·74 | 36·49 | ? | *Tikerpara.* | | | |
| 0·02 | 2·77 | ... | ... | ... | ... | 0·02 | 0·25 | 4·10 | 0·12 | 15 | ? | 13·45 | ? | 4·10 | 60·51 | ? | *Balandapara.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 0·90 | 7 | 12·83 | 6·98 | 8·93 | 3·47 | 36·87 | 42·95 | Baramba ... | Orissa Tributary Mahals. | | |
| ... | 0·07 | ... | ... | ... | ... | 1·26 | 0·02 | 0·34 | 0·31 | 12 | 11·17 | 6·47 | 9·57 | 1·26 | 44·04 | 40·87 | Kunjabongarh. | | | |
| 0·13 | ... | ... | 0·51 | ... | 0·04 | 0·50 | 0·51 | 0·03 | 0·25 | 15 | 12·50 | 7·41 | 10·86 | 1·70 | 37·40 | 47·91 | Dhenkanal | | | |
| 0·18 | 0·87 | ... | ... | ... | ... | ... | ... | ... | 1·02 | 12 | ? | 8·81 | ? | 2·04 | | | *Baisinga.* | | | |
| 2·56 | 0·15 | 0·21 | 0·19 | ... | 0·02 | 0·29 | 0·17 | 1·19 | 0·03 | 15 | 10·11 | 13·04 | 6·50 | 6·48 | 66·15 | 32·65 | Keonjar. | | | |
| 1·36 | 0·19 | 0·05 | ... | ... | ... | ... | 0·09 | 0·83 | 0·88 | 12 | 11·89 | 10·77 | 9·70 | 3·11 | 40·50 | 45·29 | Anandapur. | | | |
| 3·45 | 0·63 | 0·80 | ... | ... | ... | 0·82 | 0·21 | 0·17 | 0·14 | 15 | 12·77 | 12·34 | 11·81 | 3·45 | 45·32 | 50·27 | Baripada. | | | |
| 1·90 | 2·00 | ... | ... | ... | ... | ... | 1·30 | 0·75 | 1·30 | 11 | ? | 14·25 | ? | 4·55 | 47·09 | ? | *Karanjia.* | | | |
| 0·03 | ... | ... | ... | ... | ... | 0·40 | 1·47 | ... | 0·75 | 11 | 10·53 | 6·15 | 7·39 | 1·47 | 37·58 | 36·97 | Narsingpur. | | | |
| 0·18 | ... | ... | ... | ... | 0·20 | ... | 0·10 | ... | 1·00 | 13 | 9·75 | 13·19 | 10·33 | 3·00 | 52·95 | 48·00 | Nayagarh. | | | |
| 0·25 | 1·25 | 0·25 | .. | ... | ... | 1·27 | ... | 0·20 | 0·27 | 10 | 12·00 | 6·95 | 8·80 | 1·30 | 60·92 | 60·96 | Pal Lahera. | | | |
| ... | 0·03 | ... | 0·04 | ... | ... | 0·85 | .. | ... | 0·48 | 14 | 12·75 | 8·33 | 9·75 | 1·50 | 48·05 | 45·17 | Ranpur. | | | |
| 0·15 | 0·09 | ... | 0·50 | ... | ... | 0·22 | 1·30 | 0·05 | 0·30 | 13 | 10·60 | 6·59 | 8·04 | 1·30 | 45·98 | 43·96 | Talcher. | | | |
| 1·43 | ... | ... | 0·46 | ... | ... | ... | 1·32 | 0·50 | ... | 10 | ? | 6·86 | ? | 1·88 | | ? | *Athmalik.* | | | |
| 0·20 | ... | ... | ... | ... | ... | 0·60 | 0·44 | 0·70 | ... | 11 | ? | 6·31 | ? | 2·20 | 37·90 | ? | *Hindol.* | | | |
| 2·50 | ... | ... | ... | ... | ... | ... | ... | 0·17 | ... | 9 | ? | 6·27 | ? | 2·50 | 30·22 | ? | *Boad.* | | | |
| 2·37 | 0·15 | 0·09 | ... | ... | ... | 2·38 | ... | 0·61 | 0·88 | 15 | ? | 14·18 | ? | 3·00 | 47·17 | ? | *Nilgiri.* | | | |
| 0·11 | ... | ... | ... | ... | ... | ... | ... | 0·45 | 0·40 | 15 | ? | 8·07 | ? | 1·64 | 36·20 | ? | *Athgarh.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa—concld. | Orissa—concld. | Puri | Puri | 0·34 | .. | 1·90 | 1·05 | 0·52 | 0·29 | ... | ... | ... | ... | 3·04 | 0·87 | 2·55 | 0·59 | 0·14 | ... | ... | ... | ... | 1·66 |
| | | | Khurda | ... | ... | 0·84 | 0·66 | 0·64 | 0·24 | 0·46 | ... | ... | ... | 0·46 | ... | 0·80 | 0·40 | 0·22 | 0·47 | ... | ... | ... | 0·12 |
| | | | Bhanpur | ... | 0·10 | 0·30 | 2·06 | 1·02 | 0·04 | 0·02 | ... | ... | ... | 2·30 | 1·73 | 0·18 | 0·10 | 0·14 | 1·20 | ... | 0·23 | ... | 0·69 |
| | | | Gop | ... | 3·60 | 2·24 | 1·16 | ... | ... | ... | ... | ... | ... | ... | ... | 3·60 | 0·75 | 0·40 | ... | ... | ... | ... | 1·04 |
| | | | Satpara | ... | | | | | | | | | | | | | | | | | | | |
| | | | *Kanas* | ... | ... | 0·56 | 0·36 | 0·05 | 0·11 | ... | ... | 1·10 | 1·15 | 0·35 | ... | 0·11 | 0·15 | 0·30 | 2·23 | ... | ... | ... | ... |
| | | | Tanghi | ... | ... | 0·58 | 1·40 | 0·80 | 0·40 | ... | ... | ... | ... | 1·05 | 1·20 | 0·40 | 0·10 | 0·02 | 0·75 | ... | 0·03 | 0·33 | 0·32 |
| Chota Nagpur. | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | ... | ... | 0·69 | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | 2·10 | ... | 0·35 | 0·35 | 0·06 | 0·29 |
| | | | Hazaribagh | .. | ... | 0·46 | 0·07 | ... | .. | ... | ... | 0·16 | 0·03 | ... | ... | ... | 0·21 | 5·12 | 0·21 | 0·03 | ... | .. | ... |
| | | | Barhi | ... | ... | 0·31 | 0·23 | ... | ... | ... | ... | ... | ... | ... | ... | .. | 0·06 | 2·[illegible] | 0·12 | 0·11 | ... | 0·21 | ... |
| | | | Chatra | 0·66 | ... | 0·80 | 0·18 | ... | ... | .. | 0·44 | ... | ... | 0·06 | ... | ... | 0·20 | [illegible] | 1·45 | 0·02 | 0·13 | 0·78 | ... |
| | | | Kharagdiha | ... | ... | ... | ... | ... | ... | ... | . | 0·40 | ... | ... | ... | ... | 0·40 | 53·[illegible] | .. | ... | ... | ... | ... |
| | | | Ramgar | ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | 0·36 | ... | ... | ... | .. | 0·30 | 0·85 | ... | ... | .. | ... |
| | | | *Koderma* | ... | ... | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 1·50 | 0·11 | ... | ... | 1·00 | ... |
| | | | *Bagodar* | 0·32 | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | 4·04 | 0·58 | ... | 1·08 | 0·44 | ... |
| | | Ranchi | Lohardaga | ... | ... | 0·43 | ... | ... | ... | ... | ... | ... | ... | 0·58 | ... | ... | 1 ... | 0·05 | 0·86 | ... | ... | 0·62 | ... |
| | | | Ranchi | 0·02 | 0·04 | 0·22 | 0·26 | 0·01 | 0·03 | ... | ... | ... | ... | 0·06 | ... | ... | 0·47 | 1·77 | 1·15 | [illegible] | ... | 0·74 | ... |
| | | | Silli | ... | | 0·31 | 0·94 | ... | ... | ... | ... | ... | ... | 0·97 | ... | ... | 0·61 | [illegible] | [illegible] | ... | ... | 0·52 | ... |
| | | | Palkot | ... | 1·55 | 0·70 | ... | 0·10 | ... | ... | ... | ... | 0·10 | 0·10 | ... | ... | [illegible] | | | | | | |
| | | | *Bano* | 0·14 | 1·61 | 0·07 | ... | ... | ... | .. | ... | ... | 0·10 | 0·50 | ... | 1·17 | 0·71 | 1·40 | ... | ... | 0·57 | ... | 1·00 |
| | | | Tamar | ... | | | | ... | ... | ... | ... | 0·19 | ... | 0·23 | 0·[illegible] | 0·02 | 1·08 | 0·14 | ... | ... | ... | 0·85 | 0·56 |
| | | | *Kurdeg* | ... | 2·26 | 2·74 | ... | ... | ... | ... | ... | ... | ... | 0·72 | ... | .. | 0·66 | 0·43 | ... | ... | 0·34 | ... | ... |
| | | | *Gumla* | 0·11 | 0·02 | 1·05 | 0·69 | 0·02 | 0·02 | ... | ... | ... | 0·05 | 0·48 | ... | ... | ... | 0·61 | 1·58 | ... | ... | 0·04 | ... |
| | | | Chainpur | 0·03 | ... | ... | 0·94 | 0·02 | ... | ... | ... | ... | ... | ... | 0·35 | ... | ... | 1·70 | 0·80 | ... | ... | 0·90 | ... |
| | | | Khunti | ... | 0·70 | 1·00 | 0·40 | 0·04 | 0·05 | 0·48 | ... | ... | ... | ... | ... | ... | 0·41 | 1·53 | 0·48 | ... | ... | ... | ... |
| | | Palamau | Palamau (*Daltonganj*). | | | | | | | | | | | | | | | | | | | | |
| | | | Balumath | ... | ... | 0·20 | 0·22 | ... | .. | ... | .. | ... | ... | ... | ... | ... | ... | 3·40 | 0·61 | ... | ... | 0·02 | ... |
| | | | Husainabad | | | | | | | | | | | | | | | | | | | | |
| | | | Garhwa | ... | ... | 0·45 | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·81 | ... | 0·02 | ... | ... | ... |
| | | | *Mahuadanr* | 0·12 | ... | 0·45 | 0·80 | ... | . | ... | 0·72 | .. | ... | ... | ... | ... | 0·35 | 2·00 | ... | ... | ... | 1·72 | ... |
| | | | *Panki* | 1·25 | 0·30 | 0·70 | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·95 | 1·40 | 0·60 | ... | ... | ... |
| | | | *Latehar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·40 | 0·25 | 0·55 | ... | 3·50 | ... |
| | | | *Nagarutari* | ... | 0·10 | 0·40 | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·25 | 0·80 | ... | ... | ... | ... |
| | | | *Ranka* | — | ... | 0·30 | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·21 | .. | ... | ... | ... | ... |
| | | | *Chattarpur* | ... | 0·35 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·80 | 3·80 | ... | ... | ... | 0·15 |
| | | | *Bhaonathpur* | 0·30 | ... | 0·20 | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·40 | 1·61 | ... | ... | ... | ... |
| | | | *Patan* | ... | ... | .. | 0·55 | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | 3·40 | 0·50 | ... | | | ... |
| | | | *Monatu* | 0·12 | 0·90 | 1·40 | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·00 | 0·50 | ... | ... | ... | 0·35 | ... |
| | | | *Lesliganj* | ... | ... | 0·40 | | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3·05 | 0·20 | ... | ... | ... | ... | 0·30 |
| | | | *Kerh* | ... | ... | 0·85 | 0·[illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·72 | 0·03 | 0·02 | ... | 0·10 | ... |
| | | | *Garu* | 0·50 | 0·20 | 0·10 | 0·50 | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·12 | 1·10 | ... | ... | 0·50 | ... |
| | | | Chandwa | ... | ... | 0·40 | 0·70 | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | 2·10 | 0·30 | ... | 0·40 | 1·05 | 1·25 |
| | | | Harihargunj | ... | ... | 0·89 | 0·19 | . | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·53 | 0·12 | ... | ... | ... | ... |
| | | | Bhandaria | ... | 0·15 | 0·20 | 0·83 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·38 | 0·45 | ... | ... | ... | ... |
| | | | Bisrampur | ... | ... | 1·20 | ... | ... | ... | ... | .. | ... | ... | ... | ... | ... | 0·20 | 3·20 | 1·00 | ... | ... | ... | 3·40 |
| | | Manbhum | Purulia | ... | 0·02 | ... | ... | ... | ... | ... | .. | ... | 2·15 | 0·03 | ... | ... | 7·20 | 3·80 | 0·43 | ... | .. | 0·08 | 0·07 |
| | | | Jobindpur | ... | ... | 0·30 | ... | ... | ... | ... | ... | ... | 0·41 | ... | ... | ... | 0·45 | 0·67 | 0·13 | ... | ... | 0·19 | 0·07 |
| | | | Raghunathpur | ... | | 0·22 | 0·12 | ... | ... | ... | ... | ... | 0·57 | 0·19 | ... | ... | 1·86 | 6·11 | 0·17 | ... | ... | 0·71 | ... |
| | | | Barahabhum | ... | 0·90 | ... | [illegible] | [illegible] | ... | ... | ... | ... | 1·50 | .. | ... | ... | 4·23 | 1·25 | 0·15 | ... | ... | ... | ... |
| | | | Jhalda | ... | ... | 0·[illegible] | [illegible] | 0·01 | ... | ... | ... | ... | 0·33 | 0·06 | ... | ... | 2·40 | 3·31 | 2·35 | ... | ... | 0·26 | ... |
| | | | Chas | ... | ... | .. | .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·00 | 3·50 | ... | ... | ... | 0·50 | 1·25 |
| | | | Pandra | ... | 0·09 | [illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·26 | 0·24 | ... | ... | 0·27 | ... |
| | | | *Manbazar* | 0·70 | 0·24 | 0·59 | | ... | ... | ... | ... | ... | 1·80 | .. | ... | ... | 6·40 | 1·05 | 0·60 | ... | ... | ... | 0·19 |
| | | | Kalapal | .. | 0·23 | .. | 0·21 | ... | ... | ... | ... | 2·10 | ... | ... | ... | 6·27 | 0·80 | 0·11 | .. | ... | ... | ... | 3·63 |
| | | | Dhanbad | 1·01 | 0·22 | 0·19 | 0·12 | ... | ... | ... | ... | .. | 0·27 | ... | ... | ... | 0·58 | 2·60 | 0·07 | ... | ... | 0·17 | 0·08 |
| | | Singhbhum | Chaibassa | 0·07 | 0·11 | 0·54 | 0·06 | 0·12 | 0·50 | ... | ... | ... | ... | 0·58 | 0·13 | 0·23 | 0·97 | 1·38 | ... | ... | ... | ... | .. |
| | | | Dhakrudharpur | 0·02 | 4·90 | 0·13 | 0·32 | 0·45 | .. | ... | ... | ... | 4·73 | 2·26 | 0·81 | 0·32 | 0·36 | 0·16 | ... | ... | ... | ... | 1·50 |
| | | | Ghatsila | 0·05 | [illegible] | 1·22 | ... | 0·50 | ... | ... | ... | ... | 1·76 | ... | ... | ... | 4·26 | 0·50 | 0·09 | ... | ... | ... | ... |
| | | | Baharagura | ... | [illegible] | 0·32 | 0·28 | .. | ... | ... | ... | ... | 1·44 | 0·09 | ... | ... | 2·36 | 0·15 | 0·12 | 0·20 | ... | | |
| | | | Gailkura | 0·38 | ... | 0·92 | 0·44 | 0·10 | ... | ... | ... | ... | ... | ... | 1·25 | ... | 1·30 | 1·65 | ... | ... | ... | ... | ... |
| | | | Kalikapur | 0·80 | ... | 0·18 | .. | ... | ... | ... | ... | ... | 0·65 | ... | ... | ... | 4·40 | 2·66 | ... | ... | ... | ... | ... |
| | | | Manoharpur | ... | .. | 1·83 | 0·40 | .. | ... | ... | ... | ... | ... | ... | 0·04 | 0·14 | 1·50 | 4·74 | 0·20 | ... | ... | ... | 0·53 |
| | | | Chaibari | ... | ... | 1·82 | .. | 0·42 | ... | ... | ... | .. | 1·13 | ... | ... | ... | 2·55 | 3·45 | 0·12 | ... | ... | ... | ... |
| | | | Seraikella | 0·04 | ... | 0·33 | 0·20 | ... | ... | ... | ... | ... | 0·40 | 0·02 | 0·52 | 0·10 | 2·65 | 1·15 | 0·04 | ... | ... | ... | ... |
| | | | *Kharsawan* | 0·04 | ... | 0·28 | 0·25 | ... | ... | 0·10 | ... | ... | 0·96 | 0·02 | ... | 0·09 | 2·12 | 0·65 | 2·72 | ... | ... | ... | ... |
| | | | *Jaintgarh* | 0·46 | 0·39 | 0·58 | 0·43 | ... | ... | ... | ... | ... | ... | ... | 0·13 | 0·14 | 0·23 | 4·13 | 0·16 | ... | ... | ... | ... |
| | | | *Jaganathpur* | 0·25 | 0·12 | 2·70 | 0·90 | ... | ... | 0·06 | ... | ... | ... | ... | ... | ... | 0·62 | 1·75 | 0·50 | ... | ... | ... | ... |

## STATIONS IN BENGAL IN SEPTEMBER 1909—concluded.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | [illegible] | [illegible] | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Aver. age rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th May to 30th Sept 1909. | Average rainfall from 16th May to 30th Sept. | Station. | DISTRICT. | DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0·04 | 0·05 | ... | 1·55 | ... | ... | ... | 0·08 | 0·30 | ... | 13 | 12·18 | 14·97 | 9·91 | 3·04 | 47·01 | 40·92 | Puri | Puri ... | Orissa—concld. |
| ... | ... | ... | ... | ... | ... | ... | 0·32 | 0·19 | ... | 13 | 13·65 | 5·62 | 10·56 | 0·84 | 39·48 | 47·84 | Khurda. | | |
| ... | 0·57 | ... | 0·19 | ... | ... | ... | 0·16 | ... | 0·03 | 15 | 13·41 | 12·05 | 9·64 | 2·30 | 51·05 | 40·79 | Bhanpur. | | |
| 0·20 | ... | ... | ... | ... | 0·02 | 1·24 | ... | ... | ... | 9 | 11·50 | 14·21 | 9·91 | 3·60 | 50·99 | 43·58 | Gop. | | |
| | | | | | | | | | | | 10·36 | | 8·96 | | | 31·67 | Satpara. | | |
| ... | ... | ... | ... | ... | ... | ... | 0·60 | 0·40 | ... | 12 | ? | 7·47 | ? | 2·23 | | ? | *Kanas.* | | |
| ... | 0·03 | 0·[illegible] | ... | ... | ... | ... | 0·25 | 0·04 | ... | 12 | ? | 7·74 | ? | 1·40 | | ? | Tanghi. | | |
| 0·85 | 0·46 | 0·30 | ... | ... | ... | 0·08 | 0·58 | 3·71 | 0·03 | 12 | 12·77 | 11·25 | 8·53 | 3·71 | 47·90 | 43·96 | Pachamba (*Giridih*). ... | Hazaribagh | |
| 0·46 | 0·55 | ... | ... | ... | ... | 2·17 | 0·56 | 0·14 | 1·63 | 11 | 11·97 | 11·81 | 8·26 | 5·13 | 46·56 | 44·67 | Hazaribagh | | |
| 0·26 | 0·61 | ... | ... | ... | 0·99 | [illegible] | 2·40 | 0·22 | 0·97 | 12 | 9·88 | 9·21 | 7·82 | 2·57 | 54·94 | 41·45 | Barhi. | | |
| 0·18 | 0·47 | ... | ... | ... | 0·26 | 0·28 | 0·09 | ... | 0·39 | 13 | 10·69 | 9·03 | 7·57 | 3·34 | 40·46 | 45·45 | Chatra. | | |
| 1·00 | 0·11 | 0·05 | ... | ... | ... | ... | ... | ... | ... | | 10·00 | | 9·59 | | | 48·12 | Kharagdiha. | | |
| 2·30 | 0·20 | ... | ... | ... | ... | 0·90 | 0·68 | 1·27 | 0·67 | 9 | 9·69 | 8·16 | 8·48 | 2·30 | 40·61 | 46·26 | Ramgar. | | |
| 0·55 | 0·10 | ... | ... | ... | ... | [illegible] | 1·00 | 0·25 | 3·00 | 10 | ? | 9·32 | ? | 3·00 | 55·21 | ? | *Koderma.* | | |
| [illegible] | 0·52 | ... | ... | ... | [illegible] | 0·08 | 0·30 | 1·05 | 0·13 | 12 | ? | 11·16 | ? | 4·04 | 55·84 | ? | *Bagodar.* | | |
| ... | ... | ... | 0·25 | ... | ... | ... | ... | ... | ... | | 12·41 | | 9·19 | | | 44·60 | Lohardaga ... | Ranchi ... | |
| 0·91 | 2·32 | 0·31 | ... | ... | ... | ... | 0·62 | 0·28 | 0·55 | 13 | 13·06 | 10·69 | 8·62 | 2·32 | 51·90 | 43·61 | Ranchi | | |
| 2·07 | 1·03 | 0·11 | ... | ... | ... | ... | 1·29 | 1·05 | 1·30 | 14 | 7·73 | 15·24 | 7·76 | 3·29 | 47·23 | 44·66 | Silli. | | |
| | | | | | | | | | | | 8·86 | | 8·83 | | | 37·41 | Palkot. | | |
| 1·14 | 0·20 | 0·11 | ... | 0·21 | 0·40 | 0·14 | [illegible]·06 | 1·46 | ... | 15 | ? | 10·00 | ? | 1·61 | 71·87 | ? | *Bano.* | | |
| 0·34 | 0·27 | 1·10 | ... | ... | | | | | | | 9·43 | | 9·06 | | | 48·40 | Tamar. | | |
| 0·46 | 0·34 | 0·13 | 0·52 | 1·73 | 1·36 | ... | ... | ... | ... | 12 | ? | 11·11 | ? | 2·74 | 95·31 | ? | *Kurdeg.* | | |
| 0·75 | 0·38 | 0·62 | 0·25 | ... | ... | 0·05 | 0·02 | ... | ... | 10 | ? | 6·76 | ? | 1·58 | 51·85 | ? | *Gumla.* | | |
| 1·35 | 0·25 | 0·40 | ... | ... | 0·16 | 0·06 | 0·03 | | ... | 9 | 8·86 | 6·77 | 6·36 | 1·70 | 40·02 | 41·19 | Chainpur. | | |
| 0·80 | 0·67 | 0·21 | ... | 0·18 | 0·55 | ... | 1·04 | [illegible] | 2·20 | 15 | ? | 11·03 | ? | 2·20 | 60·11 | ? | Khunti. | | |
| | | | | | | | | | | | 10·48 | | 7·54 | | | 39·09 | Palamau (*Daltonganj*). | Palamau ... | Chota Nagpur. |
| 0·32 | 0·20 | 0·12 | ... | ... | 0·08 | 0·76 | 0·03 | 0·65 | 0·22 | 10 | 9·50 | 6·83 | 8·54 | 3·40 | 38·64 | 46·44 | Balumath. | | |
| | | | | | | | | | | | 7·69 | | 7·55 | | | 43·68 | Husainabad | | |
| 0·16 | 0·70 | 0·05 | ... | ... | 0·08 | 0·92 | 0·14 | 0·10 | 0·20 | 9 | 8·56 | 5·78 | 6·95 | 2·81 | 41·56 | 40·70 | Garhwa. | | |
| 2·30 | 0·80 | 0·10 | ... | ... | ... | 0·60 | ... | ... | 0·16 | 11 | ? | 9·57 | ? | 2·30 | 52·62 | ? | *Mahuadanr.* | | |
| ... | ... | ... | ... | ... | 0·10 | 0·30 | 1·10 | ... | ... | 11 | ? | 8·55 | ? | 1·95 | 41·20 | ? | *Panki.* | | |
| 0·40 | 0·60 | ... | ... | ... | ... | 1·40 | 0·35 | ... | 0·05 | 8 | ? | 10·50 | ? | 3·50 | 44·61 | ? | *Latehar.* | | |
| 0·10 | ... | ... | ... | 2·00 | 0·10 | 2·25 | ... | ... | ... | 9 | ? | 7·30 | ? | 2·60 | 54·45 | ? | *Nagarutari.* | | |
| 0·20 | 0·07 | ... | ... | ... | | | | | | | ? | | ? | | | ? | *Ranka.* | | |
| 0·32 | ... | ... | ... | ... | ... | 0·08 | ... | 0·10 | 0·70 | 8 | ? | 8·90 | ? | 3·80 | 53·76 | ? | *Chattarpur.* | | |
| 0·20 | 0·70 | 0·30 | ... | 2·40 | 1·30 | ... | ... | ... | ... | 10 | ? | 8·70 | ? | 2·40 | 45·47 | ? | *Bhaonathpur.* | | |
| ... | ... | ... | ... | ... | ... | 0·15 | ... | 0·30 | 0·90 | [illegible] | ? | 6·30 | ? | 3·40 | 38·62 | ? | *Patan.* | | |
| 0·20 | 0·60 | ... | ... | ... | 0·20 | 0·40 | ... | ... | 1·20 | 12 | ? | 8·86 | ? | 4·00 | 45·64 | ? | *Monatu.* | | |
| 0·37 | ... | ... | ... | 0·30 | 0·08 | 0·70 | 1·90 | 0·05 | ... | [illegible] | ? | 7·35 | ? | 3·05 | 46·20 | ? | *Lesliganj.* | | |
| 0·09 | 0·02 | 0·06 | 0·02 | ... | 0·21 | 0·14 | 0·92 | 0·34 | [illegible] | [illegible] | ? | 7·42 | ? | 2·72 | | ? | *Kerh.* | | |
| 3·22 | ... | ... | ... | ... | ... | 0·60 | ... | 0·04 | ... | [illegible] | ? | 11·58 | ? | 3·22 | 43·69 | ? | *Garu.* | | |
| ... | 0·25 | ... | ... | ... | 0·15 | 1·05 | 0·25 | [illegible] | [illegible] | 11 | ? | [illegible] | ? | 2·10 | | ? | Chandwa. | | |
| 0·08 | 0·41 | ... | 0·44 | 0·5[illegible] | ... | 0·24 | ... | ... | 3·80 | 9 | ? | 10·[illegible] | ? | 3·80 | | ? | Hariharganj. | | |
| 0·08 | 1·30 | 0·10 | ... | ... | 0·06 | 0·04 | 0·13 | 0·22 | 0·85 | 10 | | 6·7[illegible] | ? | 2·38 | | ? | Bhandaria. | | |
| 0·65 | ... | ... | 0·07 | ... | ... | ... | 0·50 | ... | 0·12 | | ? | | [illegible] | | | ? | Bisrampur. | | |
| 2·50 | 0·40 | 0·05 | ... | ... | ... | ... | 0·54 | 0·18 | 0·33 | 9 | 11·61 | 17·[illegible] | 8·14 | [illegible]·30 | 50·16 | 44·72 | Purulia | Manbhum ... | |
| 2·22 | 0·33 | ... | 0·01 | ... | ... | ... | 0·12 | 1·17 | 0·85 | 11 | 11·00 | 6·92 | [illegible]·92 | [illegible] | [illegible] | 4·30 | Gobindpur. | | |
| 3·29 | 1·58 | 0·12 | ... | ... | ... | ... | 2·69 | 0·61 | ... | 13 | 10·69 | 18·24 | [illegible] | [illegible] | 48·34 | 43·41 | Raghunathpur | | |
| 2·50 | 1·24 | 0·26 | ... | ... | ... | ... | 0·44 | 0·48 | ... | 10 | 11·19 | 12·95 | 9·3[illegible] | [illegible] | 49·74 | 40·79 | Barahabhum | | |
| 2·16 | 1·06 | ... | ... | ... | ... | 1·16 | 1·30 | 0·09 | ... | 10 | 9·31 | 1[illegible]·26 | 7·96 | [illegible] | 50·40 | 47·41 | Jhalda. | | |
| ... | ... | 1·00 | 0·50 | ... | ... | ... | 0·50 | 0·30 | 0·50 | 9 | 11·53 | 12·05 | 8·34 | 4·00 | 47·76 | 42·92 | Onas. | | |
| 1·96 | 0·40 | 0·15 | ... | ... | 0·54 | ... | 2·16 | 1·62 | 1·17 | 12 | 10·89 | 10·53 | 8·94 | 2·16 | 50·65 | 45·84 | Pandra. | | |
| ... | 1·00 | 0·80 | 0·40 | ... | ... | ... | ... | 1·00 | 0·50 | 13 | ? | 15·36 | ? | 6·40 | 59·82 | ? | *Manbazar.* | | |
| 0·84 | 0·43 | ... | ... | ... | ... | 3·55 | 2·13 | 0·27 | 0·10 | 13 | ? | 21·67 | ? | 6·27 | 60·76 | ? | Kotlapal. | | |
| 1·71 | 1·53 | 0·03 | ... | ... | ... | ... | 1·42 | 0·45 | 0·91 | 13 | ? | 11·34 | ? | 2·69 | | ? | Dhanbad. | | |
| 3·00 | 0·74 | 1·60 | 0·32 | ... | ... | ... | 3·11 | 1·53 | 1·25 | 16 | 12·00 | 16·24 | 8·30 | 3·11 | 53·99 | 45·38 | Chaibassa | Singhbhum | |
| 2·00 | 0·97 | ... | 0·92 | 0·11 | 0·50 | 0·12 | 1·10 | 0·06 | ... | 18 | 11·94 | 21·25 | 8·18 | 4·00 | 6[illegible]·8[illegible] | 45·29 | Chakradharpur | | |
| 3·74 | 0·57 | ... | ... | ... | ... | ... | 0·72 | 0·58 | ... | 9 | 10·25 | 13·99 | 8·74 | 4·26 | 53·[illegible] | 49·53 | Ghatsila. | | |
| | | | | | | | | | | | 11·31 | | 9·42 | | | 45·69 | Baharagura. | | |
| 1·75 | 2·62 | ... | ... | 0·63 | ... | ... | 2·53 | 0·37 | 0·43 | | 9·88 | | 8·07 | | | 52·61 | Gailkura. | | |
| 3·98 | 0·43 | 0·38 | ... | ... | ... | ... | 0·10 | 2·02 | ... | 10 | 11·38 | 15·75 | 9·54 | 4·45 | 47·45 | 55·[illegible] | Kalikapur. | | |
| 1·25 | 2·75 | 0·12 | 0·02 | 1·18 | 0·38 | 0·59 | 0·64 | 0·25 | 2·32 | | 5·86 | | 5·09 | | | 50·17 | Monoharpur. | | |
| 3·89 | 4·50 | 0·17 | ... | ... | ... | 0·40 | 1·04 | 0·56 | 1·00 | 13 | ? | 21·95 | ? | 4·50 | [illegible]6·22 | ? | *Katbari.* | | |
| 3·00 | 0·30 | ... | ... | 0·17 | ... | 0·36 | 0·26 | 0·44 | 0·19 | 14 | ? | 10·17 | ? | 3·00 | 30·04 | ? | *Seraikilla.* | | |
| 1·29 | 0·58 | 0·46 | 0·13 | ... | 0·11 | 0·21 | 0·65 | 0·71 | 0·48 | 16 | ? | 11·82 | ? | 2·73 | 47·96 | ? | *Kharsawan.* | | |
| 1·54 | 3·26 | ... | ... | ... | 0·36 | 1·50 | 0·54 | 1·50 | ... | 15 | ? | 15·25 | ? | 4·13 | 54·97 | ? | *Jaintigarh.* | | |
| 2·05 | 3·40 | ... | ... | ... | ... | 0·55 | 0·50 | 1·15 | 0·45 | 13 | ? | 15·00 | ? | 3·40 | 38·34 | ? | *Jaganathpur.* | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of September 1909.

| Meteorological Division. | Division. | District. | District Observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th May 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 11·37 | 8·40 | +2·97 | 14·00 | 11·01 | 60·76 | 45·53 | +15·23 | 70·[illegible] | 56·84 |
| | | Birbhum ... | 8·66 | 10·39 | —1·73 | 11·17 | 12·01 | 56·16 | 47·39 | + 8·77 | 6[illegible]·36 | 58·81 |
| | | Bankura ... | 11·49 | 8·70 | +2·79 | 13·00 | 10·95 | 55·68 | 46·38 | + 9·30 | [illegible]·30 | 56·88 |
| | | Midnapore ... | 9·32 | 9·61 | —0·29 | 10·57 | 11·[illegible]1 | 52·37 | 46·99 | + 5·38 | [illegible]3·61 | 56·91 |
| | | Hooghly ... | 10·75 | 8·83 | +1·92 | 11·83 | 11·96 | 53·44 | 46·70 | + 6·74 | [illegible]68·65 | 61·60 |
| | | Howrah ... | 9·02 | 9·45 | —0·43 | 11·00 | 12·20 | 60·32 | 46·18 | +14·1[illegible] | 73·67 | 62·98 |
| | Presidency ... | 24-Parganas ... | 9·06 | 10·04 | —0·98 | 9·88 | 12·35 | 55·88 | 5[illegible]·20 | [illegible]5·68 | 67·88 | 62·23 |
| | | Calcutta ... | 9·29 | 10·40 | —1·11 | 12·00 | 13·88 | 60·12 | 4[illegible]·39 | 10·73 | 79·00 | 67·[illegible] |
| | | Nadia ... | 6·96 | 8·48 | —1·52 | 10·80 | 11·02 | 54·17 | 4[illegible] | 10·66 | [illegible] | [illegible]8·65 |
| | | Murshidabad ... | 10·30 | 9·35 | +0·95 | 12·38 | 11·58 | 58·19 | 4[illegible] | [illegible] | [illegible]2·83 | 57·53 |
| | | Jessore ... | 8·34 | 8·45 | —0·11 | 10·25 | 11·07 | 65·77 | 4[illegible] | +20·55 | 72·25 | 60·84 |
| | | Khulna ... | 9·41 | 9·55 | —0·14 | 10·40 | 11·87 | 62·92 | 51·24 | +11·68 | 76·00 | 64·68 |
| Bihar. | Patna ... | Patna ... | 9·71 | 7·20 | +2·51 | 8·80 | 8·79 | [illegible]·36 | 39·69 | +8·67 | 49·36 | 45·66 |
| | | Gaya ... | 8·46 | 6·55 | +1·91 | 8·67 | 8·37 | [illegible]·16 | 38·03 | +8·13 | 50·23 | 45·00 |
| | | Shahabad ... | 5·92 | 6·96 | —1·04 | 9·09 | 8·37 | [illegible]3·21 | 38·13 | +0·08 | 46·08 | 43·91 |
| | Tirhut ... | Saran ... | 3·07 | 8·20 | —5·13 | 5·83 | 7·96 | 43·32 | 39·72 | +3·60 | 48·10 | 42·43 |
| | | Champaran ... | 3·48 | 9·89 | —6·41 | 5·00 | 8·78 | 47·40 | 47·33 | +0·07 | 55·84 | 47·69 |
| | | Muzaffarpur ... | 4·00 | 8·70 | —4·70 | 6·29 | 8·22 | 45·55 | 40·05 | +5·50 | 51·15 | 43·37 |
| | | Darbhanga ... | 5·66 | 10·06 | —4·40 | 7·20 | 9·24 | 59·23 | 44·03 | +15·20 | 65·20 | 46·95 |
| | Bhagalpur ... | Monghyr ... | 9·51 | 9·57 | —0·06 | 10·40 | 9·48 | 53·28 | 43·16 | +10·12 | 56·90 | 47·66 |
| | | Bhagalpur ... | 7·37 | 10·90 | —3·53 | 7·86 | 9·88 | 48·06 | 44·97 | +3·09 | 50·75 | 50·10 |
| | | Darjeeling ... | 17·38 | 18·22 | —0·84 | 15·80 | [illegible]7·00 | 113·81 | 104·34 | +9·47 | 97·47 | 92·51 |
| | | Purnea ... | 11·15 | 15·44 | —4·29 | 9·00 | [illegible]·6 | 65·26 | 64·64 | +0·62 | 58·23 | 59·77 |
| | | Southal Parganas. | 7·62 | [illegible]·10 | —3·48 | 9·00 | [illegible]5 | 49·36 | 46·79 | +2·57 | 57·64 | 56·53 |
| Orissa. | Orissa ... | Sambalpur ... | 9·95 | 8·30 | +[illegible]·65 | 9·5[illegible] | 11·1[illegible] | [illegible]·57 | 50·52 | +7·55 | 65·00 | 57·25 |
| | | Angul ... | 4·64 | 9·57 | —4·93 | 11·00 | 12·18 | 34·70 | 43·04 | —8·34 | 57·50 | 60·12 |
| | | Cuttack ... | 10·92 | [illegible] | +0·7[illegible] | 14·38 | 12·19 | 51·22 | 47·52 | +3·70 | 65·39 | 55·65 |
| | | Balasore ... | 10·08 | 11·13 | —1·[illegible] | 12·60 | 12·59 | 49·15 | 47·34 | +1·81 | 61·73 | 56·51 |
| | | Puri ... | 11·71 | 9·82 | +1·89 | 12·50 | 12·25 | 45·48 | 42·30 | +3·18 | 57·55 | 51·73 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | [illegible] | 8·37 | +1·52 | 11·40 | 10·83 | 45·33 | 45·00 | +0·33 | 55·73 | 55·92 |
| | | Ranchi ... | 10·98 | 8·30 | +2·68 | 12·75 | 10·16 | 49·64 | 46·64 | +3·00 | 59·98 | 57·11 |
| | | Palamau ... | 6·30 | 7·65 | —1·35 | 9·50 | 9·06 | 37·39 | 42·48 | —5·09 | 54·00 | 49·25 |
| | | Manbhum ... | 13·87 | 8·52 | +5·35 | 10·33 | 10·90 | 49·70 | 45·49 | +4·21 | 61·05 | 57·17 |
| | | Singhbhum ... | 16·81 | 8·19 | +9·62 | 13·25 | 10·37 | 57·26 | 50·47 | +6·79 | 65·29 | 59·39 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF SEPTEMBER 1909.

During the month of September, the rainfall was above the average in Burdwan, Bankura, Hooghly and Murshidabad in South-West Bengal, in Patna and Gaya in Bihar, in Sambalpur, Cuttack and Puri in Orissa, in Hazaribagh, Ranchi, Manbhum and Singhbhum in Chota Nagpur. The defect is greatest in Champaran where the departure from the normal was —6·41 inches.

On an average South-West Bengal received 9·23, Bihar 7·01, Orissa 10·69 and Chota Nagpur 8·55 inches of rain. The departure from the normal was —0·03 in South-West Bengal, —2·39 in Bihar, +0·33 in Orissa and +0·30 in Chota Nagpur.

The following table compares the rainfall in the four divisions during the month of with the normal fall, the actual being given as a percentage of the normal. The table also shows the actual falls for each of the previous months of the year expressed in the same way, and the last column of the table shows the total rainfall of the past months of the year 1909 :—

| Meteorological Divisions. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October | Actual rainfall of first months of 1909 expressed as a percentage of the normal fall for the period. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... | 61 | 17 | 1 | 308 | 82 | 126 | 76 | 180 | 100 | 119 | |
| Bihar ... | 41 | 44 | 0 | 457 | 39 | 180 | 75 | 112 | 76 | 104 | |
| Orissa ... | 81 | 179 | 10 | 411 | 95 | 130 | 116 | 80 | 103 | 106 | |
| Chota Nagpur ... | 208 | 182 | 7 | 369 | 45 | 96 | 68 | 95 | 104 | 93 | |

PERCENTAGE TABLE FOR SEPTEMBER 1909.

| Division. | District. | Normal district rainfall for Sept. | Actual district rainfall for Sept. 1909. | Percentage of actual to normal rainfall. | Percentage excess (+), deficit (—). |
|---|---|---|---|---|---|
| South-West Bengal. | Bu[illegible] ... ... | 8·40 | 11·37 | 135 | + 35 |
| | [illegible] ... ... | 10·39 | 8·66 | 83 | — 17 |
| | Bankura ... ... | 8·70 | 11·49 | 132 | + 32 |
| | Midnapore ... ... | 9·61 | 9·32 | 97 | — 3 |
| | Hooghly ... ... | 8·83 | 10·75 | 122 | + 22 |
| | Howrah ... ... | 9·45 | 9·02 | 95 | — 5 |
| | 24-Parganas ... ... | 10·04 | 9·06 | 90 | — 10 |
| | Calcutta ... ... | 10·40 | 9·29 | 89 | — 11 |
| | Nadia ... | 8·48 | 6·96 | 82 | — 18 |
| | Murshidabad ... ... | 9·35 | 10·30 | 110 | + 10 |
| | Jessore ... ... | 8·45 | 8·34 | 99 | — 1 |
| | Khulna ... ... | 9·55 | 9·41 | 99 | — 1 |
| Bihar ... | Patna ... ... | 7·20 | 9·71 | 135 | + 35 |
| | Gaya ... ... | 6·55 | 8·46 | 129 | + 29 |
| | Shahabad ... ... | 6·96 | 5·92 | 85 | — 15 |
| | Saran ... ... | 8·20 | 3·07 | 37 | — 63 |
| | Champaran ... ... | 9·89 | 3·48 | 35 | — 65 |
| | Muzaffarpur ... ... | 8·17 | 4·00 | 49 | — 51 |
| | Darbhanga ... ... | 10·06 | 5·66 | 56 | — 44 |
| | Monghyr ... ... | 9·57 | 9·51 | 99 | — 1 |
| | Bhagalpur ... ... | [illegible]·19 | 7·37 | 72 | — 28 |
| | Darjeeling ... ... | 18·[illegible] | 17·38 | 95 | — 5 |
| | Purnea ... ... | 15·41 | 11·15 | 72 | — 28 |
| | Sonthal Parganas ... | 11·10 | [illegible] | 69 | — 31 |
| Orissa ... | Sambalpur ... ... | 8·30 | 9·95 | 120 | + 20 |
| | Angul ... ... | 9·57 | [illegible] | 49 | — 51 |
| | Cuttack ... ... | 10·19 | 10·9[illegible] | 107 | + 7 |
| | Balasore ... ... | 11·13 | 10·08 | 91 | — 9 |
| | Puri ... ... | 9·82 | 11·71 | 119 | + 19 |
| Chota Nagpur | Hazaribagh ... ... | 8·37 | 9·89 | 118 | + 18 |
| | Ranchi ... ... | 8·30 | 10·98 | 132 | + 32 |
| | Palamau ... .. | 7·65 | 6·30 | 82 | — 18 |
| | Manbhum ... ... | 8·52 | 13·87 | 163 | + 63 |
| | Singhbhum ... ... | 8·19 | 16·81 | 207 | + 107 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of September 1909 :—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Since 16th May 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation | Average number in month. | Normal average number in month | Variation. | Average. | Normal average. |
| South-West Bengal ... | 9·23 | 9·26 | —0·03 | 10·94 | 11·58 | —0·64 | 53·14 | 46·79 |
| Bihar ... ... | 7·01 | 9·40 | —2·39 | 9·28 | 9·41 | —0·13 | 41·96 | 44·04 |
| Orissa ... ... | 10·69 | 10·36 | +0·33 | 13·45 | 12·33 | +1·12 | 48·97 | 45·89 |
| Chota Nagpur ... | 8·55 | 8·25 | +0·30 | 8·07 | 10·37 | —2·30 | 39·60 | 46·36 |

CALCUTTA,
*The 12th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of August 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilised. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system... ... ... | 1,342 | 968 | 771 | 3,280 | 72,136 | 63,137 | 143 | ... | ... | ... | 143 | 63,280 | 7·85 | 51·39 | 21·93 | 60·03 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 1,360 | 1,153 | 97,[illegible] | 96,790 | 89,660 | 9,816 | ... | ... | 49 | 9,865 | 99,525 | 10·25 | 54·65 | 19·41 | 45·70 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 322 | 256 | 26,740 | 27,660 | 26,721 | 19 | ... | ... | ... | 19 | 26,740 | 9·93 | 49·92 | 23·03 | 43·79 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 728 | 45 | 27 | 5,434 | [illegible] | 5,434 | ... | ... | ... | ... | ... | 5,434 | 7·98 | 53·08 | 18·80 | 28·91 | Average rainfall of Jenapur and Akhoyapada, Jajpur. |
| | | Jajpur Canal ... ... ... ... | 700 | 322 | 323 | 18,084 | 21[illegible] | [illegible]038 | 70 | ... | 5 | 6 | 81 | 18,119 | 11·68 | 49·96 | 18·41 | 49·49 | |
| | Balasore | Dudhai Canal ... ... ... | ... | ... | ... | ... | [illegible]90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 248 | 159 | 34,911 | | 34,498 | ... | ... | 372 | 6 | 378 | 34,876 | 8·95 | 52·59 | 17·45 | 34·19 | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 245,936 | [illegible],276 | 237,488 | 10,048* | ... | 377 | 61 | 10,486 | 247,974 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 257,554 | 5,132 | ... | 463 | 29 | 5,624 | 263,178 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 156 | 93 | 60,896 | 38,897 | 47,223 | 16,057 | ... | ... | ... | [illegible] | 63,280 | 20·56 | 51·30 | 13·40 | 49·39 | |
| | Howrah | Panchkura ... ... ... | 522 | 13 | 4 | 5,349 | 1,368 | 5,031 | 612 | ... | ... | ... | 612 | 5,643 | 17·45 | 46·26 | 11·63 | 44·35 | |
| | | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 22·25 | 59·18 | 8·74 | 57·81 | |
| | | Total Midnapore Canal ... | ... | ... | ... | 66,245 | 40,265 | 52,254 | 16,669† | ... | ... | ... | 16,669 | 68,92[illegible] | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 53,802 | ... | ... | ... | ... | ... | 53,802 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... ... | 1,030 | 268 | 268 | 18,493 | 19,832 | 17,651 | 841 | 1 | ... | ... | 842 | 18,493 | 27·83 | 74·[illegible] | 9·56 | 59·52 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 20,026 | 264 | ... | ... | ... | [illegible] | 20,290 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,850 | 561 | 224 | 21,698 | 23,038 | 15,685 | 6,108 | ... | ... | 884 | 6,6[illegible] | 22,377 | 10·19 | 37·93 | [illegible] | 27·08 |
| | | Buxar | | 1,038 | 761 | 112,330 | 107,346 | 87,419 | 17,565 | ... | ... | 10,053 | 27,6[illegible] | 115,027 | | | | |
| | | Arrah | 2,650 | 2,094 | 1,602 | 178,687 | 175,801 | 134,935 | 29,055 | ... | ... | 15,830 | 44,8[illegible] | 179,820 | 7·44 | 31·7[illegible] | 15·22 | 23·31 |
| | Patna and Gaya | Eastern Main | | | | 3,787 | 3,809 | 2,970 | 899 | ... | ... | .. | [illegible] | 3,869 | | | | |
| | | Patna | 1,850 | 1,738 | 1,438 | 120,094 | 110,333 | 85,296 | 27,382 | ... | ... | 9,169 | 3[illegible]1 | 121,847 | 14·24 | [illegible]·23 | 6·13 | 12·97 |
| | | Total Sone Canals | ... | ... | ... | 436,596 | 420,527 | 326,305 | 80,999 | ... | ... | 35,636 | 11[illegible]35 | 442,940 | | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 327,496 | 83,131 | ... | ... | 21,753 | 10[illegible]83 | 432,3[illegible] | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | ... | ... | 115 | 826 | ... | ... | ... | ... | 66 | [illegible] | 66 | 19·34 | 54·82 | 5·29 | 20·26 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 451 | ... | ... | 233 | 684 | 684 | ... | ... | ... | ... |
| | | Dhaka | 300 | 2 | 2 | 831 | 5[illegible] | ... | 695 | ... | [illegible] | 240 | 935 | 935 | 18·72 | 53·69 | 5·53 | 20·14 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | [illegible] | 5,330 | ... | ... | 335 | 5,665 | 5,665 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 768,216 | 48,578 | 633,698 | 109,252 | 1 | 377 | 36,003 | 145,633 | 779,331 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 658,578 | 94,308 | ... | 463 | 22,349 | 117,120 | 775,998 | ... | ... | ... | ... |

* Of which 10,016 acres are provisional lease.
† Covering lease.

CALCUTTA,
*The 11th October 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 9th October 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 9th October 1909. | | | Week ending Saturday, the 10th October 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | [illegible] | [illegible] | 1,020 | 656 | 82,155 | 1,301 |
| Jute ... ... | 302 | 79,438* | 1,216 | 144 | 47,645† | 721 |
| Firewood ... ... | 26 | 19,775 | 304 | 87 | 77,910 | 1,192 |
| Other articles ... ... | 687 | 164,327 | 1,781 | 722 | 178,001 | 2,067 |
| Total ... | 1,635 | 322,947 | 4,321 | 1,609 | 385,711 | 5,281 |

* Weight by canal measurement, 94,587½ maunds.
† Ditto ditto 50,287½ do.

CALCUTTA,
*The 12th October 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

*Vital Statistics of the districts of Bengal for the month of August 1909*

| Divisions. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other diseases. Number registered. | Other diseases. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan ... ... ... | 1,532,716 | 4,177 | 32·76 | 96 | ·72 | 22 | ·19 | ... | ... | 2,120 | 16·56 | 67 | ·48 | 10 | ·07 | 50 | ·36 | 706 | 5·52 | 3,071 | 24·00 | [illegible] | 27·96 | |
| | Birbhum ... ... ... | 922,281 | 2,774 | 54·27 | 110 | 1·44 | 11 | ·12 | ... | ... | 2,626 | 24·24 | 13 | ·12 | [illegible] | [illegible] | 30 | ·36 | 264 | 3·48 | 2,259 | 30·00 | [illegible] | 35·04 | |
| | Bankura ... ... ... | 1,175,[illegible] | 3,008 | 52·64 | 89 | ·84 | 14 | ·12 | ... | ... | 2,008 | 17·28 | 40 | ·36 | [illegible] | ·02 | 39 | ·36 | 540 | 5·76 | 2,324 | 24·96 | 2,020 | 31·32 | |
| | Burdwan ... ... ... | 2,[illegible],114 | [illegible] | 39·00 | 97 | ·12 | 91 | ·36 | ... | ... | 1,[illegible]64 | 14·52 | 97 | ·36 | 15 | ·06 | 121 | ·48 | 1,[illegible] | 4·92 | 4,899 | 21·[illegible] | 5,771 | 24·72 | |
| | Hooghly, including Serampore. | [illegible] | [illegible] | 30·12 | 32 | ·36 | 45 | ·48 | ... | ... | [illegible] | 15·36 | 118 | 1·32 | 41 | ·48 | 79 | ·84 | 469 | 5·28 | 2,136 | 24·[illegible] | 2,269 | 26·28 | |
| Presidency | Howrah ... ... | [illegible] | 2,2[illegible]0 | 31·68 | 23 | ·24 | 23 | ·36 | 1 | ·01 | [illegible] | [illegible] | 164 | 2·28 | [illegible] | ·60 | 68 | ·84 | 579 | 7·08 | 1,459 | 20·52 | 1,625 | 22·92 | |
| | 24-Parganas ... ... | 2,[illegible],359 | 6,550 | 37·80 | 61 | ·24 | 60 | ·24 | 3 | ·01 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | ·60 | 215 | 1·20 | 932 | 5·28 | 3,647 | 21·00 | 3,705 | 21·36 | |
| | Calcutta ... ... | 847,796 | 1,605 | 22·68 | 26 | ·36 | 4 | ·04 | 57 | ·72 | 2,[illegible] | 2·64 | 157 | 2·16 | 338 | 4·68 | 34 | ·48 | 923 | 12·84 | 1,742 | 24·36 | 1,759 | 24·84 | |
| | Nadia ... ... ... | 1,667,491 | 6,581 | 47·28 | 13 | ·08 | 16 | ·10 | ... | ... | [illegible]194 | 15·72 | 11 | ·07 | 5 | ·02 | 96 | ·60 | 721 | 5·16 | 3,056 | 21·96 | 3,670 | 26·40 | |
| | Murshidabad ... ... | 1,333,194 | 6,0[illegible] | 54·72 | 64 | ·48 | 7 | ·06 | ... | ... | 1,872 | 16·80 | 11 | ·09 | 2 | ·01 | 93 | ·72 | 767 | 6·84 | 2,826 | 25·32 | 3,544 | 31·80 | |
| | Jessore ... ... | 1,813,155 | 3,515 | 23·16 | 1 | ·006 | 17 | ·10 | ... | ... | 2,360 | 15·60 | 6 | ·03 | 7 | ·03 | 92 | ·60 | 379 | 2·40 | 2,653 | 18·84 | 3,114 | 20·52 | |
| | Khulna ... ... | 1,253,043 | 4,[illegible]67 | 38·52 | 18 | ·12 | 14 | ·12 | ... | ... | 2,312 | 22·08 | 14 | ·12 | 5 | ·03 | 66 | ·60 | 846 | 8·04 | 3,275 | 31·32 | 2,773 | 26·52 | |
| Patna | Patna ... ... ... | 1,624,742 | 5,620 | 41·40 | 722 | 5·28 | 44 | ·36 | 56 | [illegible] | 3,951 | 29·16 | 417 | 3·00 | 146 | ·96 | 167 | 1·32 | 2,064 | 15·24 | 7,592 | 56·04 | 7,785 | 57·48 | |
| | Gaya ... ... | 2,089,933 | 6,753 | 39·24 | 131 | ·72 | 26 | ·12 | ... | ... | 5,194 | 30·24 | 68 | ·36 | 10 | ·04 | 253 | 1·44 | 1,126 | 6·48 | 6,8[illegible]8 | 39·60 | 10,532 | 61·32 | |
| | Shahabad ... ... | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | Return not received. |
| Tirhut | Saran ... ... ... | 3,408,814 | 8,968 | 44·64 | 184 | ·84 | 52 | ·24 | 59 | ·24 | 4,712 | 18·48 | 179 | ·84 | 87 | ·36 | 288 | 1·32 | 2,774 | 13·80 | 7,333 | 36·48 | 7,113 | 35·40 | |
| | Champaran ... ... | 1,790,463 | 5,899 | 59·40 | 474 | 3·12 | 11 | ·07 | ... | ... | 3,278 | 21·96 | 11 | ·07 | 2 | ·01 | 187 | 1·20 | 1,443 | 9·60 | 5,406 | 36·12 | 5,189 | 34·68 | |
| | Muzaffarpur ... ... | 2,756,130 | 10,390 | 45·12 | 576 | 2·40 | 36 | ·12 | 2 | 0·08 | 6,187 | 26·88 | 52 | ·12 | 5 | ·01 | 322 | 1·32 | 1,470 | 6·36 | 8,950 | 37·52 | 7,510 | 32·64 | |
| | Darbhanga ... ... | 2,912,611 | 8,507 | 35·04 | 254 | ·96 | 6 | ·02 | 3 | ·01 | 7,765 | 31·92 | 262 | ·96 | 5 | ·01 | 364 | 1·20 | 1,[illegible] | 5·28 | 9,899 | 40·68 | 7,038 | 28·92 | |
| | Monghyr ... ... | 2,068,804 | 8,717 | 50·40 | 493 | 2·76 | 4 | ·01 | ... | ... | 4,784 | 27·72 | 12 | ·06 | 9 | ·04 | 214 | 1·20 | 1,208 | 7·32 | 6,[illegible]84 | 39·24 | 6,[illegible] | 36·96 | |
| Bhagalpur | Bhagalpur ... ... | 2,088,983 | 6,222 | 35·64 | 659 | 3·72 | 35 | ·12 | ... | ... | 4,958 | 28·44 | 22 | ·12 | 5 | ·02 | 158 | ·84 | 598 | 3·36 | 6,434 | 36·84 | 6,325 | 36·24 | |
| | Purnea ... ... | 1,874,794 | 6,281 | 39·72 | 168 | ·96 | 29 | ·12 | ... | ... | 3,704 | 23·64 | 3 | ·01 | 1 | ·006 | 131 | ·72 | 202 | 1·20 | 4,237 | 27·00 | 4,275 | 27·36 | |
| | Darjeeling ... ... | 249,117 | 773 | 37·20 | ... | ... | ... | ... | ... | ... | 597 | 28·68 | 86 | 4·08 | 1 | ·04 | 4 | ·12 | 162 | 7·80 | 850 | 40·92 | 892 | 42·96 | |
| | Sonthal Parganas ... | 1,809,737 | 5,805 | 38·08 | 574 | 3·72 | 37 | ·24 | ... | ... | 3,057 | 24·36 | 32 | ·12 | 4 | ·02 | 85 | ·48 | 391 | 2·52 | 4,[illegible]8 | 31·80 | 6,715* | 44·52 | |
| Orissa | Cuttack ... ... | 2,092,758 | 6,634 | 38·52 | 85 | ·48 | 11 | ·06 | ... | ... | 2,039 | 11·76 | 677 | 3·84 | 60 | ·24 | 212 | 1·20 | 1,339 | 7·68 | 4,423 | 25·68 | 6,765 | 39·24 | |
| | Balasore ... ... | 1,971,197 | 3,266 | 36·48 | 22 | ·24 | 41 | ·36 | ... | ... | 947 | 10·56 | 119 | 1·32 | ... | ... | 96 | ·96 | 1,365 | 14·16 | 2,410 | 27·84 | 2,953 | 33·36 | |
| | Puri ... ... | 1,017,254 | 3,114 | 36·72 | 54 | ·60 | 7 | ·07 | ... | ... | 610 | 7·08 | 489 | 5·76 | 155 | 1·80 | 77 | ·84 | 862 | 10·08 | 2,254 | 26·52 | 3,541 | 41·64 | |
| | Sambalpur ... ... | 636,850 | 2,599 | 48·96 | ... | ... | ... | ... | ... | ... | 593 | 11·16 | 145 | 2·64 | 48 | ·84 | 28 | ·36 | 473 | 8·88 | 1,252 | 24·12 | 2,135* | 40·20* | * For three years. |
| | Angul and Khondmals ... | | | | | | | | | | | | | | | | | | | | | | | | Not under registration. |
| Chota Nagpur. | Hazaribagh ... ... | 1,177,961 | 5,676 | 57·60 | 44 | ·36 | 27 | ·24 | ... | ... | 2,536 | 25·80 | 26 | ·24 | ... | ... | 98 | ·96 | 597 | 6·00* | 3,328 | 33·84 | 5,077 | 51·60 | |
| | Ranchi ... ... | 1,157,925 | 7,181 | 71·52 | ... | ... | 57 | ·48 | ... | ... | 2,581 | 26·04 | 260 | 2·52 | 13 | ·12 | 55 | ·48 | 1,049 | 10·56 | 4,015 | 40·44 | 4,443 | 44·88 | |
| | Palamau ... ... | 619,[illegible] | 2,911 | 56·28 | ... | ... | 17 | ·24 | ... | ... | 1,262 | 24·96 | 13 | ·24 | ... | ... | 62 | 1·20 | 372 | 7·20 | 1,756 | 33·96 | 2,408 | 46·56 | |
| | Manbhum ... ... | 1,361,9[illegible] | 6,182 | 56·88 | 57 | ·48 | 12 | ·10 | ... | ... | 2,0[illegible] | 20·28 | 13 | ·10 | 1 | ·008 | 49 | ·36 | 549 | 5·04 | 2,882 | 26·52 | 3,648 | 33·60 | |
| | Singhbhum ... ... | 613,579 | 1,821 | 35·52 | 5 | ·09 | 3 | ·04 | ... | ... | 717 | 13·92 | 5 | ·09 | 1 | ·01 | 29 | ·48 | 128 | 2·40 | 8[illegible]8 | 17·28 | 1,409 | 27·48 | |
| | Total ... | 48,565,750 | 16[illegible],[illegible]40 | 41·52 | 5,073 | 1·20 | 775 | ·12 | 181 | ·03 | 83,327 | 20·52 | 3,708 | ·84 | 1,146 | ·24 | 3,812 | ·84 | 27,613 | 6·72 | 125,635 | 30·96 | 139,551 | 34·44 | |
| | Average of corresponding months of previous five year ... ... | ... | 144,766 | 35·76 | 14,499 | 3·48 | 792 | ·12 | 546 | ·12 | 86,601 | 21·36 | 4,898 | 1·20 | 988 | ·24 | 3,705 | ·84 | 27,522 | 6·72 | 139,551 | 34·44 | ... | ... | |
| | Difference + or — ... | ... | +23,274 | +5·76 | −9,426 | −2·28 | −17 | Equal | −365 | −·09 | −3,274 | −·84 | −1,190 | −·36 | +158 | Equal. | +107 | Equal | +63 | Equal. | −13,916 | −3·48 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 9th October 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of August 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... | 1. Burdwan ... ... | 35,268 | 26 | 8·76 | ... | ... | ... | ... | ... | ... | 28 | 9·48 | 5 | 1·68 | 1 | ·24 | 1 | ·24 | 6 | 2·04 | 41 | 13·92 | 67 | 22·68 | |
| Bankura ... | 2. Bankura ... ... | 20,737 | 45 | 26·04 | ... | ... | ... | ... | ... | ... | 18 | 10·32 | 7 | 3·96 | ... | ... | 1 | ·48 | 9 | 5·16 | 35 | 20·16 | 49 | 28·32 | |
| Midnapore ... | 3. Midnapore ... ... | 33,140 | 80 | 28·92 | 4 | 1·44 | ... | ... | ... | ... | 44 | 15·84 | 10 | 3·60 | ... | ... | 2 | ·72 | 11 | 3·96 | 71 | 25·68 | 95 | 34·32 | |
| Hooghly ... | 4. Hooghly and Chinsura | 29,383 | 73 | 29·76 | 2 | ·72 | ... | ... | ... | ... | 28 | 11·40 | 18 | 7·32 | 1 | ·36 | 1 | ·36 | 19 | 7·68 | 69 | 28·08 | 72 | 29·40 | |
| | 5. Serampore ... ... | 44,451 | 82 | 22·08 | 6 | 1·56 | 4 | ·96 | ... | ... | 37 | 9·96 | 15 | 3·96 | ... | ... | 4 | ·96 | 30 | 8·04 | 96 | 25·80 | 93 | 25·08 | |
| Howrah ... | 6. Howrah ... ... | 157,594 | 298 | 22·68 | 4 | ·24 | 1 | ·07 | 1 | ·07 | 136 | 10·32 | 31 | 2·28 | 19 | 1·44 | 9 | ·60 | 74 | 5·52 | 275 | 20·88 | 378 | 28·68 | |
| 24-Parganas | 7. Cossipore-Chitpur ... | 40,750 | 66 | 19·32 | ... | ... | ... | ... | ... | ... | 5 | 1·44 | 15 | 4·32 | 36 | 10·56 | 5 | 1·44 | 35 | 10·56 | 97 | 28·56 | 25 | 7·32 | |
| | 8. Maniktala ... ... | 32,387 | 59 | 21·84 | 1 | ·36 | 1 | ·36 | ... | ... | 21 | 7·68 | 8 | 2·88 | 9 | 3·24 | ... | ... | 58 | 20·64 | 96 | 35·52 | 20 | 7·32 | |
| | 9. South Suburban ... | 26,374 | 10 | 4·44 | ... | ... | ... | ... | ... | ... | 5 | 2·16 | 1 | ·36 | 2 | ·84 | 1 | ·36 | 5 | 2·16 | 14 | 6·36 | 46 | 20·88 | |
| | 10. Garden Reach ... | 28,211 | 31 | 14·44 | 1 | ·36 | ... | ... | ... | ... | 19 | 8·04 | 15 | 6·36 | 11 | 4·56 | 4 | 1·68 | 19 | 8·04 | 69 | 29·28 | 29 | 12·24 | |
| | 11. Baranagore ... ... | 25,432 | 34 | 15·96 | 1 | ·36 | ... | ... | ... | ... | 21 | 7·34 | 6 | 2·76 | 2 | ·84 | 1 | ·36 | 8 | 3·72 | 39 | 18·36 | 50 | 23·52 | |
| | 12. Bhatpara ... ... | 21,540 | 56 | 31·08 | 19 | 10·56 | 2 | 1·08 | 3 | 1·8 | 45 | 24·96 | 3 | 1·56 | ... | ... | 2 | 1·08 | 18 | 5·52 | 84 | 46·68 | 39 | 21·72 | |
| Calcutta ... | 13. Calcutta ... ... | 847,796 | 1,605 | 22·68 | 26 | ·36 | 4 | ·04 | 57 | ·72 | 193 | 2·64 | 157 | 2·16 | 338 | 4·68 | 34 | ·48 | 913 | 12·84 | 1,722 | 24·36 | 1,759 | 24·84 | |
| Nadia ... | 14. Krishnagar ... ... | 24,547 | 64 | 31·20 | ... | ... | ... | ... | ... | ... | 17 | 8·28 | 1 | ·48 | ... | ... | 2 | ·96 | 6 | 2·84 | 28 | 13·68 | 39 | 18·96 | |
| | 15. Santipur ... ... | 26,898 | 87 | 38·76 | ... | ... | ... | ... | ... | ... | 31 | 13·80 | ... | ... | ... | ... | 1 | ·36 | 6 | 2·64 | 38 | 16·92 | 66 | 29·40 | |
| Murshidabad | 16. Berhampore ... ... | 24,397 | 97 | 47·64 | 1 | ·48 | ... | ... | ... | ... | 33 | 16·20 | 2 | ·96 | ... | ... | ... | ... | 16 | 7·80 | 52 | 25·56 | 65 | 31·92 | |
| Patna ... | 17. Patna City ... ... | 123,691 | 345 | 33·60 | 62 | 6·00 | ... | ... | ... | ... | 138 | 13·44 | 44 | 4·20 | 12 | 1·08 | 10 | ·96 | 168 | 16·32 | 484 | 42·24 | 642 | 62·52 | |
| | 18. Bihar ... ... | 45,063 | 63 | 16·68 | 3 | ·72 | ... | ... | ... | ... | 26 | 6·24 | 2 | ·48 | 1 | ·24 | 9 | 2·28 | 20 | 5·28 | 61 | 16·20 | 129 | 34·32 | |
| | 19. Dinapore Nizamut ... | 33,699 | 63 | 21·96 | ... | ... | ... | ... | ... | ... | 13 | 4·56 | 4 | 1·32 | 3 | ·96 | 4 | 1·32 | 20 | 7·08 | 44 | 15·60 | 73 | 25·92 | |
| Gaya ... | 20. Gaya ... ... | 71,416 | 236 | 39·60 | 12 | 1·92 | ... | ... | ... | ... | 204 | 34·20 | 31 | 5·16 | 1 | ·12 | 13 | 2·16 | 80 | 13·44 | 341 | 57·24 | 485 | 81·48 | |
| Shahabad ... | 21. Arrah ... ... | | | | | | | | | | | | | | | | | | | | | | | | Return not received. |
| | 22. Sasaram ... ... | | | | | | | | | | | | | | | | | | | | | | | | |
| Saran ... | 23. Chapra ... ... | 45,901 | 158 | 41·28 | 26 | 6·72 | ... | ... | ... | ... | 52 | 13·56 | 19 | 4·92 | 7 | 1·80 | 6 | 1·56 | 55 | 14·28 | 165 | 43·08 | 180 | 47·04 | |
| Champaran... | 24. Bettiah ... ... | 24,696 | 80 | 38·76 | ... | ... | ... | ... | ... | ... | 10 | 4·80 | 3 | 1·44 | 1 | ·48 | 4 | 1·92 | 24 | 11·64 | 42 | 20·52 | 66 | 32·04 | |
| Muzaffarpur | 25. Muzaffarpur ... ... | 45,617 | 138 | 36·24 | 7 | 1·80 | ... | ... | ... | ... | [illegible] | 15·96 | 6 | 1·56 | 1 | ·24 | 10 | 2·52 | 68 | 17·88 | 153 | 40·20 | 102 | 26·76 | |
| | 26. Hajipur ... ... | 21,398 | 70 | 39·24 | ... | ... | ... | ... | ... | ... | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 1 | ·48 | 23 | 12·84 | 41 | 22·92 | 72 | 40·32 | |
| Darbhanga ... | 27. Darbhanga ... ... | 66,244 | 220 | 39·84 | 1 | ·12 | ... | ... | ... | ... | [illegible] | [illegible] | 15 | 2·64 | ... | ... | 4 | ·72 | 108 | 19·56 | 196 | 35·40 | 142 | 25·68 | |
| Monghyr ... | 28. Monghyr ... ... | 35,880 | 120 | 40·08 | 15 | 4·92 | ... | ... | ... | ... | [illegible] | [illegible] | 5 | 1·56 | ... | ... | 4 | 1·32 | 68 | 22·68 | 136 | 45·48 | 149 | 49·80 | |
| Bhagalpur ... | 29. Bhagalpur ... ... | 75,760 | 112 | 17·64 | 20 | 3·12 | 4 | ·60 | ... | ... | [illegible] | 7·56 | 10 | 1·56 | 3 | ·36 | 7 | 1·08 | 27 | 4·20 | 119 | 18·5[illegible] | 200 | 31·56 | |
| Cuttack ... | 30. Cuttack ... ... | 51,364 | 112 | 26·16 | ... | ... | ... | ... | ... | ... | [illegible] | 10·68 | 15 | 3·48 | 2 | ·36 | 4 | ·84 | 16 | 3·72 | 83 | 19·32 | 208 | 48·48 | |
| Balasore ... | 31. Balasore ... ... | 20,880 | 44 | 25·20 | ... | ... | ... | ... | ... | ... | 3 | 1·68 | 3 | 1·68 | ... | ... | ... | ... | 21 | 12·00 | 27 | 15·48 | 29 | 16·56 | |
| Puri ... | 32. Puri ... ... | 49,334 | 73 | 17·64 | 6 | 1·44 | ... | ... | ... | ... | 48 | 11·64 | 27 | 6·48 | [illegible] | [illegible] | 3 | ·72 | 48 | 11·64 | 136 | 33·00 | 23 | 5·24 | |
| Ranchi ... | 33. Ranchi ... ... | 23,810 | 123 | 61·92 | ... | ... | 1 | ·48 | ... | ... | 22 | 11·04 | 2 | ·96 | ... | ... | 1 | ·48 | 20 | 9·96 | 46 | 23·16 | 9 | 39·72 | |
| | Total of all towns with a population of 20,000 and over ... ... ... | 2,153,036 | 4,719 | 26·28 | 217 | 1·20 | 17 | ·08 | 61 | ·34 | 1,490 | 8·16 | 481 | 2·64 | 414 | 2·52 | [illegible] | [illegible] | 1,992 | 11·04 | 4,850 | 27·00 | 5,671 | 31·56 | |
| | Average of corresponding month of previous five years ... ... ... | ..... | 3,999 | 22·20 | 773 | 4·20 | 38 | ·12 | 166 | ·84 | 1,680 | 9·36 | 586 | 3·24 | 413 | 2·28 | 12[illegible] | [illegible] | 1,890 | 10·44 | 5,671 | 31·56 | ... | ... | |
| | Difference + or − | ..... | +720 | +4·08 | −556 | −3·00 | −21 | −·04 | −105 | −·60 | −230 | −1·20 | −105 | −·60 | +41 | +·24 | +23 | +·12 | + | +·60 | −821 | −4·56 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 9th October 1909.*

F. C. CL[illegible]SON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th October 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | | | | Inches | |
| Oct. | 3rd | [illegible]0·9 | 3·8 | 29·795 | 52·6 | 88·4 | 10·6 | 77·8 | 77·5 | 0 922 | 76 8 | 89 | SE and WSW ... | 78 | 0·01 | Partially cloudy, o, d, p. |
| ,, | 4th | 145[illegible] | 5·1 | ·723 | 81·1 | 87·7 | 12·2 | 75·5 | 77 8 | ·936 | 77·2 | 90 | W by S and WSW | 69 | 0·19 | Partially cloudy, o, g. |
| ,, | 5th | 143·6 | [illegible]3 0 | ·709 | 83·1 | 90·0 | 12·8 | 77 2 | 79·9 | ·991 | 78·9 | 86 | WSW and NW by W. | 64 | Nil | Partially cloudy. |
| ,, | 6th | 141·4 | 0[illegible] | ·734 | 84·[illegible] | 91·7 | 12·[illegible] | 79 0 | 79·9 | ·959 | 78 0 | 79 | NW by W and WNW. | 77 | Nil | Partially cloudy. |
| | 7th | 142·4 | 6·1 | 7[illegible] | 84[illegible] | 91·7 | 13·8 | 77·9 | 78·7 | ·911 | 76·4 | 77 | WNW and W ... | 80 | Nil | Chiefly clear. |
| ,, | 8th | 131[illegible] | [illegible] | [illegible] | [illegible] | 91·4 | 14·4 | 77·0 | 78·7 | ·914 | 76·5 | 78 | W and W by S | 64 | Nil | Partially cloudy. |
| ,, | 9th | 140·6 | 8·7 | ·710 | 83·5 | 90·7 | [illegible]3·5 | 77·2 | 77·4 | ·862 | 74·7 | 75 | W by S and WNW. | 70 | Nil | Chiefly clear. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·736 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·771 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 48·1 |
| The maximum possible number of hours of sunshine ... ... ... | 82·5 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 83·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 83·1 |
| The extreme variation of temperature ... ... ... ... | 16·2 |
| The maximum temperature ... ... ... ... | 91·7 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 9 |
| | % |
| The mean relative humidity ... ... ... ... ... | 82 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 81 |
| | Inches. |
| The total fall of rain from 3rd to 9th October 1909 ... ... ... | 0·20 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 1·87 |
| The total fall from 1st January to 9th October 1909 ... ... ... | 67·89 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 61·03 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast ; d, drizzling rain ; g, dark gloomy ; p, passing temporary showers.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 11th October 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY

*Approximate Return of Traffic for week ended 25th September 1909 on 3,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 491,488 | (a)4,03,086 0 0 | 56,15,649 0 | (b)9,04,241 0 0 | 40,254 0 0 | 13,47,581 0 0 | 158,980 | 162,947 | 321,933 |
| Or per mile of railway ... | ... | 175 13 1 | ... | 394 6 6 | 17 8 11 | 587 12 6 | ... | ... | ... |
| For previous 11? weeks of half-year | 5,611,934* | 47,30,003 0 0* | 6,44,11,139 0† | 1,00,04,729 0 0† | 5,10,893 0 ‡ | 1,52,51,625 0 0 | 1,826,848 | 1,892,586§ | 3,719,434 |
| Total for 12? weeks ... | 6,103,422 | 51,33,089 0 0 | 7,00,26,788 0 | 1,09,08,970 0 0 | 5,51,147 0 0 | 1,65,99,206 0 0 | 1,985,8[illegible] | 2,055,533 | 4,041,367 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 498,824 | 4,71,377 15 1 | 68,54,953 0 | 10,47,923 5 7 | 46,688 4 4 | 15,65,989 9 0 | [illegible]0,995 | 213,351 | 374,346 |
| Per mile of railway corresponding week of previous year ... | .. | 205 10 1 | ... | 457 2 2 | 20 5 10 | 683 2 1 | .. | ... | . |
| Total for corresponding 12? weeks of previous year ... | 6,305,926 | 53,61,653 7 4 | 9,04,74,672 30 | 1,31,57,315 12 0 | 5,39,804 2 11 | 1,90,58,773 6 [illegible] | 2,016,275 | 2,732,848 | 4,749,123 |

(a) The decrease is due to "*Pitripukha Mela*" and Durga Puja holiday concession in the corresponding period of 1908.
(b) The decrease is chiefly in coal.

* Deducted No. of passengers 32,789 and added Rs. 11,045
† Added Mds. 2,85,528 and ,, 2,09,293
‡ Deducted ,, 27,441
} On account of difference between the Approximate and Audited figures for the month of July 1909.

§ Audited figures up to July 1909.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
| 2,292·65 | For the month of July .. | 2,235,290 | 19,[illegible]52 | 2,27,83,647 | 41,98,948 | 1,78,265 | 62,43,615 | 2,723 | 1,463,513 | 4 4 3 |
| 2,292·37 | Week ended 7th Aug. | 591,544 | [illegible]37,830 | 59,70,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,586 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,146 | 53,97,875 | 8,18,985 | 47,157 | 13,64,6[illegible]8 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | 477,568 | 3,98,881 | 52,28,932 | 7,81,204 | 47,157 | 12,27,302 | 535 | 318,408 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | 463,001 | 3,86,319 | 60,37,455 | 8,79,913 | 47,157 | 13,13,389 | 573 | 340,[illegible] | 3 15 7 |
| 2,292·65 | ,, ,, 4th Sept. | 457,154 | 3,86,277 | 54,74,654 | 7,58,688 | 48,000 | 11,92,965 | 520 | 316,835 | 3 12 3 |
| 2,292·65 | ,, ,, 11th ,, ... | 468,257 | 3,81,830 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, ... | 473,912 | 3,71,938 | 59,92,172 | 9,19,116 | 48,000 | 13,39,054 | 584 | 341,004 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, .. | 491,488 | 4,03,086 | 56,15,649 | 9,04,241 | 40,254 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| | Totals up to date ... | 6,103,422 | 51,30,089 | 7,00,26,788 | 1,09,08,970 | 5,51,147 | 1,65,99,206 | 583 | 4,041,367 | 4 1 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908

| | | No. of passengers. | Rs. | Mds | Rs. | Rs. | Rs | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July .. | 2,359,512 | 19,51,778 | 3,12,67,198 | 46,57,933 | 1,30,144 | 67,89,855 | 2,903 | 1,687,563 | 4 0 5 |
| 2,292·38 | For 1 day of Aug. ... | 71,077 | 59,060 | 9,88,224 | 1,56,049 | 6,036 | 2,21,295 | 96 | 54,412 | 4 1 1 |
| 2,292·38 | Week ended 8th .. .. | 507,181 | 4,48,391 | 67,89,455 | 10,53,817 | 45,093 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,92,335 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 493,462 | 3,89,030 | 94,46,451 | 10,49,897 | 41,727 | 14,80,654 | 646 | 374,683 | 3 15 8 |
| 2,292·38 | ,, ,, 29th ,, ... | 444,837 | 3,61,590 | 75,35,936 | 10,80,206 | 45,859 | 14,87,505 | 649 | 382,512 | 3 14 3 |
| 2,292·38 | ,, ,, 5th Sept. ... | 455,189 | 3,84,177 | 77,38,151 | 11,07,784 | 42,307 | 15,34,328 | 669 | 380,529 | 4 0 6 |
| 2,292·38 | ,, ,, 12th ,, . | 530,581 | 4,24,069 | 69,17,422 | 9,99,084 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, ... | 486,167 | 4,36,699 | 69,90,083 | 10,12,368 | 50,054 | 15,00,041 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 2 th .. ... | 498,824 | 4,71,378 | 68,54,953 | 10,47,923 | 46,688 | 15,65,980 | 683 | 374,346 | 4 2 11 |
| | Totals up to date ... | * 6,305,926 | 53,61,653 | 9,04,74,673 | 1,31,57,316 | 5,39,804 | 1,90,58,773 | 661 | 4,749,123 | 4 0 3 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 25th September 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 18,128 | 3,777 0 0 | 10,372 0 | 405 0 0 | 14 0 0 | 4,196 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 170 0 11 | ... | 18 3 9 | 0 10 1 | 188 14 9 | ..... | ..... | ..... |
| For previous 11½ weeks of half-year ... | 241,133* | 54,988 0 0* | 1,89,981 0† | 5,727 0 0† | 159 0 0‡ | 60,874 0 0 | 15,292§ | 1,822§ | 17,114 |
| Total for 12½ weeks .. | 259,261 | 58,765 0 0 | 2,00,353 0 | 6,132 0 0 | 173 0 0 | 65,070 0 0 | 16,629 | 1,981 | 18,610 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 20,298 | 4,490 1 0 | 48,437 10 | 709 15 0 | 3 15 3 | 5,193 15 3 | 1,379 | 115 | 1,494 |
| Per mile of railway corresponding week of previous year. | ..... | 201 11 5 | ..... | 31 15 5 | 0 2 10 | 233 13 8 | ..... | ..... | ..... |
| Total for corresponding 12½ weeks of previous year. | 281,942 | 64,662 10 0 | 4,70,079 0 | 6,174 1 0 | 84 0 9 | 70,920 11 9 | 17,157 | 2,084 | 19,241 |

* Added No. of passengers 1,368 and Rs. 1,377
† Do. Mds. 25,039 4 ... and ... „ 266
‡ Do. ... „ 15
§ Audited figures up to July 1909.

} On account of difference between the approximate and audited figures for the month of July 1909.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July ... | 105,236 | 24,305 | 77,616 | 2,293 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | Week ended 7th Aug. ... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,196 | 3 9 3 |
| 22·21 | „ „ 14th „ ... | 18,326 | 4,077 | 8,344 | 319 | [illegible] | 4,499 | 196 | 1,[illegible] | 2 15 [illegible] |
| 22·21 | „ „ 21st „ ... | 17,075 | 3,652 | 12,780 | 541 | [illegible] | 4,206 | 189 | 1,496 | 2 13 0 |
| 22·21 | „ „ 28th „ ... | 17,599 | 3,343 | 8,694 | 357 | 13 | 3,718 | 167 | 1,496 | 2 7 9 |
| 22·21 | „ „ 4th Sept. ... | 16,886 | 5,270 | 6,613 | 231 | 14 | 5,515 | 248 | 1,496 | 3 11 0 |
| 22·21 | „ „ 11th „ ... | 22,819 | 4,838 | 30,935 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | „ „ 18th „ ... | 22,817 | 4,068 | 33,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | „ „ 25th „ ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| | Totals up to date ... | 259,261 | 58,765 | 2,00,353 | 6,132 | 173 | 65,070 | 256 | 18,610 | 3 7 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July .. ... ... | 119,291 | 27,165 | 102,559 | 2,093 | 30 | 29,988 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | One day of Aug. ... ... | 2,821 | 640 | 2,724 | 51 | 1 | 692 | 31 | 214 | 3 3 9 |
| 22·21 | Week ended 8th Aug. ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | „ „ 15th „ ... | 23,856 | 5,600 | 14,402 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | „ „ 22nd „ ... | 16,105 | 3,729 | 6,289 | 269 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | „ „ 29th „ ... | 17,754 | 3,824 | 9,790 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | „ „ 5th Sept. ... | 18,609 | 4,855 | 46,891* | 552 | 5 | 5,412* | 244 | 1,678 | 3 [illegible] 7 |
| 22·21 | „ „ 12th „ ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101* | 230 | 1,[illegible] | 3 5 8 |
| 22·21 | „ „ 19th „ ... | 19,896 | 4,015 | 1,43,289 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | „ „ 26th „ ... | 20,293 | 4,490 | 48,447 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| | Totals up to date ... | 281,942 | 64,662 | 4,70,079 | 6,174 | 85 | 70,921 | 254 | 19,241 | 3 11 0 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 25th September 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 25,512 | 17,462 0 0 | 170,107 0 | 13,582 0 0 | 130 0 0 | 31,174 0 0 | 10,086 | 2,924 | 13,010 |
| Or per mile of railway ... ... | ... | 107 8 10 | ... | 83 10 5 | 0 12 10 | 192 0 1 | ... | ... | ... |
| For previous 11¾ weeks of half-year. | *333,793 | *2,67,350 0 0 | †1,810,112 0 | †1,34,091 0 0 | ‡1,389 0 0 | 4,02,830 0 0 | §116,014 | 33,707 | 149,721 |
| Total for 12¾ weeks ... | 359,305 | 2,84,812 0 0 | 1,980,219 0 | 1,47,673 0 0 | 1,519 0 0 | 4,34,004 0 0 | 126,100 | 36,631 | 162,731 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 20,910 | 17,423 5 8 | 239,810 10 | 16,249 9 0 | 72 13 9 | 33,745 12 0 | 11,[illegible]57 | 4,410 | 15,947 |
| Per mile of railway corresponding week of previous year .. | ... | 107 5 0 | ... | 100 1 4 | 0 7 2 | 207 13 6 | | ... | ... |
| Total for corresponding 12¾ weeks of previous year . | 344,159 | 2,56,008 0 10 | 2,661,724 10 | 1,83,301 15 5 | 508 7 6 | 4,39,819 0 9 | 146,832 | 55,469 | 202,301 |

* Added No. of passengers 5,318 and deducted Rs. 450
† Do. Mds. 194,066 and ,, 8,929
‡ Do. ,, 8
} On account of difference between the approximate and audited figures for the month of July 1909.
§ Audited figures up to July 1909.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July ... | 131,940 | 1,09[illegible] | 7,22,057 | 51,085 | 576 | 1,54,846 | 954 | 57,654 | 2 11 0 |
| 162·36 | Week ended 7th Aug. ... | 30,164 | [illegible],024 | 1,66,953 | 11,701 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | ,, ,, 14th ,, ... | 30,2[illegible] | 24,153 | 1,60,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | ,, ,, 21st ,, ... | 29,763 | 22,010 | 1,71,359 | 13,207 | 114 | 35,421 | 218 | 13,279 | 2 10 8 |
| 162·36 | ,, ,, 28th ,, .. | 27,948 | 22,032 | 1,39,319 | 10,699 | 114 | 32,845 | 202 | 13,254 | 2 7 8 |
| 162·36 | ,, ,, 4th Sept. ... | 26,510 | 21,019 | 1,56,082 | 11,218 | 119 | 32,356 | 199 | 12,989 | 2 7 10 |
| 162·36 | ,, ,, 11th ,, .. | 32,553 | 28,913 | 1,79,808 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 1,34,563 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 25,512 | 17,462 | 1,70,107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| | Totals up to d. ... | 359,305 | 2,84,812 | 19,80,219 | 1,47,673 | 1,519 | 4,34,004 | 215 | 162,731 | 2 10 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 9,90,656 | 63,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | 1 day of August ... | 3,876 | 2,872 | 32,636 | 2,237 | 4 | 5,113 | 31 | 2,331 | 2 3 3 |
| 162·36 | Week ended 8th ,, ... | 31,133 | 22,623 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | ,, ,, 15th ,, ... | 31,051 | 22,462 | 1,73,774 | 13,198 | 32 | 35,692 | 220 | 15,581 | 2 4 8 |
| 162·36 | ,, ,, 22nd ,, ... | 25,944 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | ,, ,, 29th ,, ... | 26,843 | 18,800 | 2,47,267 | 15,761 | 38 | 34,689 | 214 | 16,218 | 2 2 3 |
| 162·36 | ,, ,, 5th Sept. ... | 27,370 | 21,632 | 1,56,469 | 12,405 | 58 | 34,095 | 210 | 13,118 | 2 1 10 |
| 162·36 | ,, ,, 12th ,, ... | 22,701 | 19,224 | 1,94,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 2,36,042 | 15,188 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 2,34,810 | 16,250 | 73 | 33,746 | 208 | 15,947 | 2 1 10 |
| | Totals up to date ... | 344,159 | 2,56,009 | 26,61,734 | 1,83,302 | 508 | 4,39,819 | 215 | 202,301 | 2 2 9 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 25th September 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 60,000 | 30,000 0 0 | 497,000 0 | 75,000 0 0 | 10,000 0 0 | 1,21,000 0 0 | 13,655 | 23,704 | 37,3 |
| Or per mile of railway ... ... | 78·13 | 46·88 | 644 62 | 97·28 | 12 97 | 157·13 | 17·78 | 30 74 | |
| For previous 11 weeks of half-year ... ... ... ... | 611,500 | 4,02,500 0 0 | 3,293,000 0 | 15,43,000 0 0 | 47,000 0 0 | 9,93,500 0 0 | 163,144 | 222,062 | 385,1 |
| Total for 12 weeks ... | 671,500 | 4,38,500 0 0 | 3,790,000 0 | 6,18,000 0 0 | 57,000 0 0 | 11,13,500 0 0 | 176,799 | 245,756 | 422,1 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 66,078 | 39,567 0 0 | 326,761 0 | 54,146 0 0 | 11,309 0 0 | 1,05,022 0 0 | 15,260 | 21,629 | 36 |
| Per mile of railway corresponding week of previous year ... | 8[illegible]·04 | 51·52 | 423 81 | 70 23 | 14 67 | 136·42 | 19·87 | 28·05 | |
| Total to corresponding date of previous year ... ... ... | 63[illegible]383 | 3,75,599 0 0 | 3,613,884 0 | 5,95,817 0 0 | 63,791 0 0 | 10,34,917 0 0 | 196,621 | 250,675 | 447,1 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 25th September 1909. | | | Receipts for week ending 26th September 1908. | | | Total receipts from 1st April 1909 to 25th September 1909. | | | Total receipts from 1st April 1908 to 26th September 1908. | | | Total increase in 1909. | Total decrease in 1909 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. | | | Rs |
| 771 | 1,21,000 | 157·13 | 771 | 1,05,022 | [illegible]2 | 771 | 23,57,465 | ... | 771 | 21,36,936 | ... | 1,20,529 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 25th September 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 301,010 | 1,05,690 (a) | 694,660 | 84,806 (b) | 23,440 | 2,10,030 | 58,370 | 31,527 (d) | |
| Or per mile of railway .. | 161·23 | 56·61 | 372 07 | 48·13 | 12 55 | 117·31 | ..... | ..... | |
| For previous 11¾ weeks of half-year (d) .. ... . .. | 3,698,755 | 13,12,363 | 9,119,332 | 10,35,634 | 1,98,428 | 25,46,425 | 652,080 | 405,579 | 1,( |
| Total for 12¾ weeks ... | 3,999,765 | 14,18,053 | 9,813,992 | 11,25,524 | 2,21,868 | 27,65,445 | 710,450 | 437,106 | 1,1 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... .. . | 309,425 | 1,17,529 | 791,856 | 82,051 | 23,398 | 2,22,078 | 61,176 | (c) 35,507 | |
| Per mile of corresponding week of previous year ... ... ... | 172 77 | 65·62 | 442·13 | 45 81 | 12 90 | 124 33 | ..... | ..... | |
| Total to corresponding date of previous year ... ... ... | 4,029,350 | 15,47,548 | 11,164,479 | 12,39,672 | 2,86,287 | 30,63,507 | 750,685 | 482,992 | 1,[illegible] |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 1·81 | | 2·85 | ·26 | 2·41 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1·92 | | 2 31 | ·24 | 2·30 | | | |

(a) Decrease under passengers mainly due to longer lead traffic last year.
(b) Decrease in weight with increased amount due to long lead traffic under foreign outward.
(c) Includes 6,576 miles of ballast trains.
(d) Includes audited figures for the month of July 1909.
(e) Includes 8,534 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 2nd October 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| tal traffic for the week ... | 486,200 | 1,94,100 0 0 | 2,402,060 0 | 4,84,210 0 0 | 24,350 0 0 | 7,[illegible] 0 0 | 77,181 | (d)59,443 | 136,622 |
| per mile of railway ... ... | (a)361 | (a)144 0 0 | 1,605 0 | 323 0 0 | (c)2 0 0 | (c)5 0 0 | ... | ... | ... |
| r previous 13 weeks of half-ear(e) ... ... ... .. | (e)5,497,726 | 20,84,591 0 0 | 27,087,971 0 | 42,35,294 0 0 | 4,18,462 0 0 | 67,38,347 0 0 | 955,763 | 737,027 | 1,692,790 |
| Total for 14 weeks ... | 5,983,926 | 22,78,691 0 0 | 29,490,031 0 | 47,19,504 0 0 | 4,42,812 0 0 | 74,41,007 0 0 | 1,032,884 | 796,530 | 1,829,414 |
| COMPARISON. | | | | | | | | | |
| al for corresponding week previous year ... .. | 612,407 | (a) 2,33,316 0 0 | 1,851,915 0 | 4,02,134 0 0 | 24,355 0 0 | 6,59,807 0 0 | 78,276 | 56,757 | 135,033 |
| mile of railway correspond-g week of previous year 1,274 miles) ... .. ... | (b)523 | (b)190 0 0 | 1,454 0 | 316 0 0 | 1 0 0 | 500 0 0 | ... | ... | ... |
| al to corresponding date of evious year ... ... | 6,308,519 | 24,42,513 0 0 | 29,677,815 0 | 42,55,449 0 0 | 4,44,108 0 0 | 70,42,070 0 0 | 1,014,634 | 732,896 | 1,747,530 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 22,100.
(d) Includes ballast train-miles 9,112.
(e) Audited up to July 1909.
(f) Increase is chiefly due to jute traffic.
(g) Includes abnormal earnings during Durga Poojah holidays.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 2nd October 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| traffic for the week ... | 43,650 | 12,080 0 0 | 104,710 0 | 9,570 0 0 | [illegible] | 22,480 0 0 | 5,308 | (a)1,961 | 7,269 |
| er mile of railway ... | 508 | 147 0 0 | 1,218 0 | 111 0 0 | 3 0 0 | [illegible] | ... | ... | ... |
| previous 13 weeks of half-r (b) ... ... ... ... | 519,640 | 1,39,[illegible] 0 0 | 946,988 0 | [illegible]58,861 0 0 | 2,321 0 0 | 2,00,774 0 0 | 67,480 | 20,979 | 88,459 |
| Total for 14 weeks ... | 563,290 | 1,52,252 0 0 | 1,051,[illegible] 0 | 68,431 0 0 | 2,571 0 0 | 2,23,254 0 0 | 72,788 | 22,940 | 95,728 |
| COMPARISON. | | | | | | | | | |
| for corresponding week previous year ... ... | 56,793 | (c) 16,715 0 0 | 95,173 0 | 8,539 0 0 | 90 0 0 | 25,344 0 0 | 5,656 | 1,990 | 7,646 |
| ile of railway correspond-week of previous year ... | 660 | 195 0 0 | 1,107 0 | 99 0 0 | 1 0 0 | 295 0 0 | ... | ... | ... |
| to corresponding date of vious year ... | 660,555 | 1,78,468 0 0 | 1,155,896 0 | 77,539 0 0 | 3,612 0 0 | 2,59,619 0 0 | 76,830 | 22,315 | 99,145 |

(a) Excluding ballast train-miles, 700.
(b) Audited up to July 1909.
(c) Includes abnormal Traffic owing to Durga Puja holidays.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 2nd October 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| affic for the week ... | 3,166 | 1,410 0 0 | 16,690 0 | 1,650 0 0 | 10 0 0 | 3,070 0 0 | 567 | (a)761 | 1,328 |
| mile of railway ... ... | 94 | 42 0 0 | 497 0 | 49 0 0 | ..... | 91 0 0 | ... | ... | ... |
| evious 13 weeks of half-(b) ... ... ... ... | 43,024 | 16,075 0 0 | 242,461 0 | 19,293 0 0 | 224 0 0 | 35,592 0 0 | 5,949 | 24,592 | 30,541 |
| Total for 14 weeks ... | 46,184 | 17,485 0 0 | 259,151 0 | 20,943 0 0 | 234 0 0 | 38,662 0 0 | 6,516 | 25,353 | 31,869 |
| COMPARISON. | | | | | | | | | |
| for corresponding week evious year ... ... | 3,250 | 1,532 0 0 | 15,322 0 | 1,670 0 0 | 8 0 0 | 3,260 0 0 | 567 | 829 | 1,396 |
| ile of railway correspond-week of previous year ... | 97 | 47 0 0 | 456 0 | 50 0 0 | ..... | 97 0 0 | ... | ... | ... |
| to corresponding date of ious year ... ... ... | 50,713 | 19,610 0 0 | 307,177 0 | 25,939 0 0 | 158 0 0 | 45,707 0 0 | 6,251 | 23,901 | 30,152 |

(a) Excluding ballast train-miles, 1,639.
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Returns of Traffic and Mileage for the Week ending 2nd October 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 13,970 | [illegible] 0 0 | 82,750 0 | 4,720 0 0 | 40 0 0 | 8,430 0 0 | 1,540 | (a) 751 | 2,291 |
| Or per mile of railway | 259 | [illegible] 0 0 | 1,532 0 | 87 0 0 | 1 0 0 | 156 0 0 | ... | ... | — |
| For previous 13 weeks of half-year (b) ... ... ... | 148,645 | 42,814 0 0 | 604,214 0 | 35,044 0 0 | 315 0 0 | 78,173 0 0 | 23,550 | 7,260 | 30,810 |
| Total for 14 weeks ... | 162,615 | 46,484 0 0 | 686,964 0 | 39,764 0 0 | 355 0 0 | 86,603 0 0 | 24,090 | 8,011 | 32,101 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 14,560 | 4,865 0 0 | 95,007 0 | 4,988 0 0 | 54 0 0 | 9,907 0 0 | 1,977 | 1,005 | 2,982 |
| Per mile of railway corresponding week of previous year ... | 270 | 90 0 0 | 1,771 0 | 92 0 0 | 1 0 0 | 183 0 0 | .. | — | .. |
| Total to corresponding date of previous year ... ... ... | 188,281 | 55,917 0 0 | 675,802 0 | 39,578 0 0 | 463 0 0 | 95,958 0 0 | 26,063 | 9,098 | 36,061 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 2nd October 1909 ... | Coaching ... | 7,765 0 0 | 19,181 0 0 |
| | Goods ... | 11,320 0 0 | |
| | Other earnings ... | 95 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 15,420 0 0 | 23,752 0 0 |
| | Goods .. | 8,234 0 0 | |
| | Other earnings ... | 98 0 0 | |
| | Decrease ... | | 4,571 0 0 |
| Receipts per mile for the week ending 2nd October 1909 ... ... ... ... | | | 376 1 7 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 465 11 7 |
| | Decrease ... | | 89 10 0 |
| Receipts from 1st July to 2nd October 1909 ... ... ... ... ... | | | 2,29,599 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 2,28,956 0 0 |
| | Increase ... | | 643 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 13th October 1909.

REGISTERED No. C 209.]

No. 42 of 1909.

# SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, OCTOBER 20, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Second Report on the Cotton Crops of Bengal, October 1909 | 1595—1601 |
| First Forecast of the Winter Rice Crop of Bengal, 1909 | 1602—1615 |
| Weather and Crop Report for the week ending the 16th October 1909 | 1615—1620 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th October 1909 | 1621 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the four months of April to July 1909 | 1622—1628 |
| Railway Returns | 1629—1637 |

## SECOND REPORT ON THE COTTON CROPS OF BENGAL, OCTOBER 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 16th October 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### SECOND REPORT ON THE COTTON CROPS OF BENGAL, OCTOBER 1909.

(On an average of the five years ending 1907-08, the area under the cotton crop in the territory to which this forecast relates has represented some 0·35 per cent. of the total area under cotton in India).

*Explanatory.*—The present forecast deals with the progress of sowings since the publication of the August report and with the condition of the standing crops.

*Character of the season.*—The early variety is chiefly grown in the Sonthal Parganas, Manbhum, Singhbhum, Angul, Ranchi and Sambalpur, and the late variety is mostly cultivated in North Bihar and Singhbhum; Saran alone comprises almost half of the total late cotton area. It is sown partly before and partly after the rainy season. Since the publication of the first report in August last the weather has been favourable. The condition of the crops is good except in Bankura and in parts of Shahabad where damage has been done by excessive rain and floods. Sowings of the late variety have not yet commenced in Bankura, Cuttack, Balasore and Angul.

*Area sown.*—The total area sown with the early crop is estimated at 34,118 acres against 31,230 acres of last year.

The area sown with the late cotton up to now is reported to be 27,980 acres. The area as shown in the final cotton forecast of last year was 32,[illegible]69 acres.

N. N. BANERJEI,

For *Offg. Director of Agriculture, Bengal, on tour.*

CALCUTTA,

*The 9th October 1909.*

## *Second Report on the Cotton Crops of Bengal, October 1909.*

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Average area in acres under cotton of preceding— | | Figures from the Cadastral Survey. | | | | | |
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | Date at which the sowing of the crops was begun this year. | Remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Land Records, Bengal. |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Bankura | Early cotton | 300 | 200 | 332* | 332* | 16,348 | 1889 to 1902 and 1906-07. | ..... | 10th May | Owing to heavy rain, the general condition of the crop is not good. The sowing of late cotton has not yet begun. The date of sowing of the early crop was normal this year. | |
| | Late cotton | ..... | 1,400 | 1,660 | 1,680 | | | | | | |
| Midnapore | Early cotton | 1,700 | 1,700 | 1,780 | 1,810 | 35,342 | 1893 to 1898 | 338 | Latter part of May and middle of July in the Sadar Subdivision, March in Contai and latter part of August in Tamluk. | The general condition of the crop is fair. The date of sowing of the early variety of the crop was early and that of the late variety normal. | |
| | Late cotton | 550 | 620 | 1,620 | 1,850 | | | | | | |
| Patna | Early cotton | ..... | ..... | ..... | ..... | 73,164 | 1900 to 1901 | 5 | 3rd week of June. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal this year. | |
| | Late cotton | 1,000 | 1,000 | 1,280 | 1,350 | | | | | | |
| Shahabad | Early cotton | 500 | 620 | 201† | 201† | ..... | ..... | ..... | July | The general condition of the crop is good. The weather has been favourable. In the Arrah sub-division, the crops have been damaged to a certain extent by floods. The date of sowing was normal. | |
| | Late cotton | 560 | 565 | 856‡ | 856‡ | | | | | | |

* Average of two preceding years only.
† " three " "
‡ " four " "

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Average area in acres under cotton of preceding— | | Figures from the Cadastral Survey. | | | Date at which the sowing of the crops was begun this year. | Brief remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
| | | | | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | | | |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Saran ... | Early cotton ... | 900 | 900 | 542* | [illegible] * | 1,633,435 | 1893 to 1901 | 14,830 | 10th June ... | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal. | |
| | Late cotton ... | 13,400 | 12,900 | 13,635 | 17,957 | | | | | | |
| Champaran ... | Early cotton ... | 141 | 163 | 167† | 1167† | 2,259,840 | 1892 to 1899 | 2,094 | 1st week of April. 15th May. | The weather has been favourable and the general condition of the crop is good. The date of sowing was normal. | |
| | Late cotton ... | 161 | 237 | 1,357 | 1,808 | | | | | | |
| Muzaffarpur ... | Early cotton .. | ... | ... | ... | ... | 42,400 | 1891 to 1892 and 1899 to 1900. | 6,100 | 1st week of June. | The weather is seasonable. The general condition of the crop is good. The date of sowing was normal. | |
| | Late cotton ... | 4,000 | 4,000 | [illegible] | 5,268 | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Darbhanga .. | Early cotton . | 155 | 137 | 87* | 7* | 2,142,690 | 1896 to 1903 | 2,360 | February and March in the Madhubani Subdivision, March, May and June in the Sadar Subdivision and June in the Samastipore Subdivision. | The weather has been favourable. The general condition of the crops is good. The date of sowing was normal this year. |
| | Late cotton ... | 3,890 | 5,927 | 2,397 | 3,898 | | | | | |
| Monghyr ... | Early cotton ... | 140 | 135 | 114 | 247 | 985,552 | 1901 to 1904 | Not [illegible] | [illegible]ne ... | The weather has been very favourable. The general condition of the crop is good. The date of sowing was normal. |
| | Late cotton ... | 248 | 150 | 268 | 564 | | | | | |
| Bhagalpur ... | Early cotton ... | 220 | 320 | 324 | 4,722 | 2,403,764 | 1902 to 1904 | 482 | June and September. | The weather and general condition of the crops are fair. There has been a decrease in the area under early cotton as on account of favourable weather cultivators have grown food crops in preference to cotton. The date of sowing was normal. |
| | Late cotton ... | 82 | 80 | 163 | 1,191 | | | | | |
| Sonthal Parganas. | Early cotton ... | 10,500 | 10,500 | 10,620 | 10,840 | 3,272,000 | 1889 to 1903-1904. | 16,902 | From May | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal. |
| | Late cotton ... | ..... | ..... | ..... | | ..... | | | | |
| Cuttack ... | Early cotton ... | 400 | 400 | 1,300 | 2,190 | 2,058,437 | 1887 to 1895 and 1899 to 1907. | 2,604 | 1st to 23rd June. | The weather and general condition of the crop appear favourable. The date of sowing was normal this year. The sowing of the late variety has not yet begun. |
| | Late cotton ... | ... | 2,800 | 3,300 | 3,750 | | | | | |
| Balasore ... | Early cotton ... | 63 | 63 | 88 | 384 | 1,095,778 | 1891 to 1892 and 1894 to 1895. | 111 | 1st week of June. | The general condition of the crop is good. The sowing of late cotton has not yet begun. The date of sowing was normal. |
| | Late cotton ... | ..... | 200 | 200 | 170 | | | | | |

* Average of three preceding years only.
† Figures for 1907 only.

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Nature of the crop, early or late. | Area in acres sown in the current year (1909-1910). | Area in acres of the previous year (1908-1909). | Average area in acres under cotton of preceding— | | Figures from the cadastral survey. | | | Date at which the sowing of the crops was begun this year. | Brief remarks regarding the weather and general condition of the crops, and whether the date of sowing this year was early, normal or late. | Remarks by the Director of Agriculture, Bengal. |
| | | | | Five years. | Ten years. | Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | | | |
| | | Acres. | Acres. | Acres. | Acres. | Acres. | | Acres. | | | |
| Angul ... | Early cotton ... | 3,300 | 1,500 | 2,000 | 2,[illegible] | 579,328 | 188 to 1889 and 1905 to 1908. | | Middle of June. | The date of sowing was normal. The weather is favourable and the general condition of the crop is good. | |
| | Late cotton ... | ... | 500 | 1,414* | 1,414* | | | | | | |
| Pural ... | Early cotton ... | 130 | 208 | 644 | 1,922 | 1,274,790 | 1890 to 1900 ... | 422 | June and July. | The date of sowing was normal. The condition of the crops is fair. The weather has been favourable. | |
| | Late cotton ... | 289 | 290 | 342 | 1,560 | | | | [illegible]ber 1908 and January 1909. | | |
| Sambalpur ... | Early cotton ... | 2,200 | 2,216 | 7,378 | 6,389 | 2,44[illegible]360 | 1884 to 1887 and 1891 to 1897. | 30,631 | 5th June .. | The [illegible] well. The date of sowing was normal. | |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Hazaribagh ... | Early cotton ... | 969 | 918 | 1,310 | 3,556 | ..... | ..... | ..... | June ... | The weather and general condition of the crop is good. The date of sowing was early this year. |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | |
| Ranchi ... | Early cotton ... | 2,800 | 2,800 | 2,220 | 3,130 | The district is being cadastrally surveyed | | | Latter part of June. | The weather and general condition of the crop have so far been favourable. The date of sowing was normal. |
| | Late cotton ... | ..... | ..... | ..... | ..... | | | | | |
| Palamau ... | Early cotton ... | 600 | 560 | 1,680 | 4,180 | 187,820 | 1896 to 1897 | 1,434 | Second half of June. | The weather and general condition of the crop is favourable. The date of sowing was early. |
| | Late cotton . | ..... | ..... | ..... | ..... | | | | | |
| Manbhum ... | Early cotton ... | 5,100 | 4,000 | 4,640 | 6,660 | Not cadastrally surveyed | | | 1st part of June. End of June and beginning of July. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal this year. The area under late cotton has been revised. |
| | Late cotton ... | 800 | 1,210 | 1,040 | 1,210 | | | | | |
| Singbhum ... | Early cotton ... | 4,000 | 4,000 | 4,000 | 4,550 | 1,761,987 | 1895 to 1897 and 1900 to 1902. | 1,813 | May and June. July. | The condition of the crop is fair. The date of sowing was normal. |
| | Late cotton ... | 3,000 | 3,000 | 3,000 | 2,650 | | | | | |
| Total ... ... | Early cotton ... | 34,118 | 31,230 | 39,427 | 54,028 | ..... | ..... | ..... | | |
| | Late cotton ... | 27,980 | 32,869 | 37,859 | 47,176 | | | | | |

* Average for 7 years.

## FIRST FORECAST OF THE WINTER RICE CROP OF BENGAL, 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 16th October 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FIRST FORECAST OF THE WINTER RICE CROP OF BENGAL, 1909.

(On an average of five years ending 1907-08, the area under winter rice in the territory to which the forecast relates has represented some 27·7 per cent. of the total area under winter rice in British India.)

*Character of the season.*—The season has been a very favourable one for the rice crop. There was little rain during the winter, but the fall in April and May was sufficient for ploughing, and ample rain fell when it was required in June. Sowings in many districts commenced earlier than usual. In a few districts, particularly Burdwan, Nadia and Jessore, transplantation was retarded through absence of rain in July. Portions of Burdwan, Howrah, Jessore, and the Ghatal subdivision of Midnapore suffered from floods in August. The condition of the crop in the province as a whole is excellent.

*Area sown.*—The normal area under winter rice is 20,690,500 acres. The district returns show that this year there is 21,179,200 acres under the crop. The figures for 1908-09 were close upon 18 million acres, so that there is an increase of three million acres since last year. The increase is due mainly to the seasonable rainfall, but is partially accounted for in Central Bengal in some districts by the decrease in the area under jute.

*Outturn.*—Everything depends on the October rainfall but in the meantime a crop above the average is expected from the province. The District Officers estimate for Muzaffarpur 114 per cent., for Monghyr, Champaran and Manbhum 110 per cent., for 24-Parganas 107 per cent., Sambalpur 104 per cent, and the Sonthal Parganas 102 per cent. The District Officers of Khulna, Patna, Gaya, Bhagalpur, Balasore, Ranchi and Palamau anticipate a normal crop of 100 per cent. Sixteen districts anticipate a crop between 80 and 100 per cent. of the normal, and only three districts—Nadia, Jessore and Burdwan—anticipate less. The provincial outturn, calculated on these figures, comes to 96 per cent. of the normal; but if the season continues favourable, as it promises to do, there is no doubt that a crop considerably above the normal will be reaped.

W. R. GOURLAY,
*Offg. Director of Agriculture Bengal.*

DARJEELING,
*The 2nd October 1909.*

## APPENDIX I.

*First Forecast of the Winter Rice Crop of Bengal, 1909.*

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISTRICT. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908), in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much represent this year's outturn (1909)? | FIGURES FROM THE CADASTRAL SURVEY. Total area in district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during cadastral survey. | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
| Burdwan... | Sadar ... ... | 1,721,990 | 636,500 | 388,700 | 382,700 | 350,000 | 80 | 80 | Acres. 85,226 | 1889—92, & 1903-04 to 1907-08. | Acres. 61,272 | June & July. | The rainfall was insufficient in some parts of the district at the beginning of the sowing season and very heavy throughout at the end of August. The general condition of the crop is therefore not satisfactory. The date of sowing was normal in some parts and late in others. Unfavourable weather and the recent floods account for the decrease in the area and the low outturn. | |
| | Kalna ... ... | | 224,000 | 110,000 | 110,000 | 110,000 | 60 | 60 | | | | | | |
| | Katwa ... ... | | 170,000 | 140,000 | 140,000 | 140,000 | 80 | 85 | | | | | | |
| | Asansol ... ... | | 254,700 | 266,100 | 266,100 | 240,000 | 80 | 80 | | | | | | |
| | District Total ... | 1,721,990 | 1,284,200 | 874,800 | 878,800 | 840,000 | 83 | 79 | 85,226 | ... | 61,272 | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISTRICT. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908), in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | FIGURES FROM THE CADASTRAL SURVEY. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
| | | | | | | | | | Acres. | | Acres. | | | |
| Birbhum... | Sadar ... ... | 708,480 | 486,800 | 393,000 | 393,000 | 393,000 | 95 | 95 | 46,382 | 1889 to 1891 and 1903—06. | ... | Beginning of July. | The weather has been favourable. The general condition of the crop is good. The date of sowing was early. | |
| | Rampur Hât ... | 412,800 | 299,900 | 211,600 | 170,000 | 196,000 | [illegible] | 94 | | | | | | |
| | District Total ... | 1,121,280 | 786,700 | 604,600 | 563,000 | 589,000 | 85 | 95 | 46,382 | ... | ... | | | |
| Bankura... | Sadar ... ... | 1,229,440 | 428,800 | 346,600 | 350,000 | 350,000 | 100 | 100 | 16,466 | 1890 to 1903 and [illegible] | Not available. | 20th June | For want of rain, the crop could not be transplanted in time, hence a low outturn is expected. The date of sowing was also late. | |
| | Vishnupur ... | 448,000 | 214,000 | 160,400 | 190,000 | 190,000 | 100 | 75 | | | | | | |
| | District Total ... | 1,677,440 | 642,800 | 507,000 | 540,000 | 540,000 | 100 | 91 | 16,466 | ... | ... | | | |
| Midnapore | Sadar ... ... | 3,319,040 | 1,249,300 | 717,500 | 708,000 | 717,500 | 80 | 80 | 35,342 | 1893—98 | 25,260 | June and July. | The weather and the general condition of the crop have been good in the subdivisions Ghatal [illegible] where there has [illegible] been high floods. The extent of the damage is not yet known. The date of sowing was normal in the Sadar and Contai subdivisions early in Tamluk and late in the Ghatal subdivision. | |
| | Contai ... ... | | 440,100 | 356,700 | 392,500 | 394,900 | 90 | 90 | | | | June. | | |
| | Tamluk ... ... | | 389,600 | 230,200 | 200,000 | 200,000 | 80 | 90 | | | | April. | | |
| | Ghatal ... ... | | 171,600 | 111,600 | 110,800 | 111,600 | [illegible] | 80 | | | | June. | | |
| | District Total ... | 3,319,040 | 2,190,600 | 1,406,000 | 1,411,300 | 1,424,000 | 83 | 84 | 35,342 | ... | 25,260 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hooghly ... | Sadar ... ... | 761,210 | 445,900 | 108,800 | 112,200 | 111,100 | 81 | 87 | Not cadastrally surveyed | | | July ... | Owing to seasonable rainfall, the condition of the crop is fair. The date of sowing was normal in the Sadar and Serampore subdivisions and late in the Arambagh subdivision. |
| | Serampore ... | | | 89,000 | 85,000 | 88,000 | 87 | 100 | | | | July. | |
| | Arambagh ... | | | 78,900 | 78,700 | 78,900 | 80 | 75 | | | | August. | |
| | District Total ... | 761,210 | 445,900 | 276,700 | 275,900 | [illegible] | 83 | 84 | ... | ... | ... | | |
| Howrah ... | Sadar ... ... | 110,720 | 80,600 | 49,600 | 44,200 | 47,400 | 75 | 85 | ... | ... | .. | Middle of June. | The weather was favourable in the beginning. The general condition of the crop [illegible] good. The sowing was this year [illegible] Sadar subdivision and normal in the [illegible] subdivision. Some damage to the crop [illegible] recent heavy flood is apprehended, [illegible] the extent of damage cannot be ascertained until the flood subsides. |
| | Ulubaria ... ... | 215,680 | 170,000 | 75,600 | 66,100 | 72,500 | 77 | 86 | ... | ... | ... | | |
| | District Total ... | 326,400 | 250,600 | 125,200 | 110,300 | 119,900 | 76 | 85 | ... | ... | ... | | |
| 24-Parganas | Sadar ... ... | 3,100,533 | 439,600 | 392,000 | 346,000 | 392,000 | 110 | [illegible] | ... | ... | ... | June ... | The increase in the estimated area sown this year, is due to some fallow lands having been brought under cultivation. The weather has been favourable everywhere in the district and the general condition of the crop is good. The date of sowing was generally normal except in the Diamond Harbour subdivision where it was early. |
| | Barasat ... ... | | 164,900 | 103,000 | 103,000 | 103,000 | 90 | [illegible] | | | | | |
| | Barrackpore ... | | 33,200 | 17,400 | 18,000 | 18,000 | 110 | [illegible] | | | | | |
| | Basirhat ... ... | | 185,700 | 141,000 | 148,100 | 151,100 | 100 | 100 | | | | | |
| | Diamond Harbour | | 265,900 | 246,300 | 184,000 | 246,000 | 110 | 125 | | | | | |
| | District Total ... | 3,100,533 | 1,088,700 | 899,700 | 799,100 | 910,100 | 106 | 107 | ... | ... | ... | | |
| Nadia ... | Sadar ... ... | 1,787,520 | 217,200 | 15,000 | 24,400 | 23,800 | 48 | 64 | Not cadastrally surveyed | | | April ... | The weather was generally favourable. The condition of the crop is fair. For want of rain in July, transplantation was retarded, hence the decrease in the estimated outturn. The date of sowing was normal. |
| | Kushtia ... ... | | 161,800 | 33,800 | 19,000 | 25,000 | 50 | 75 | | | | | |
| | Meherpur ... ... | | 294,700 | 43,500 | 28,400 | 34,000 | 40 | 71 | | | | | |
| | Chuadanga ... | | 170,900 | 12,400 | 26,200 | 33,900 | 43 | 75 | | | | | |
| | Ranaghat ... .. | | 199,200 | 29,600 | 15,700 | 15,[illegible] | 62 | 80 | | | | | |
| | District Total .. | 1,787,520 | 1,043,[illegible] | 136,800 | 114,200 | 132,400 | 47 | 73 | ... | ... | ... | | |
| Murshidabad | Sadar ... ... | 481,280 | 392,300 | 67,600 | 65,500 | 67,700 | 87 | 71 | ... | ... | ... | April ... | The weather has been favourable. The general condition of the crop is good. The sowing was normal. |
| | Lalbagh ... ... | 236,800 | 142,700 | 43,900 | 94,200 | 95,900 | 72 | 99 | ... | ... | .. | 1st April. | |
| | Kandi ... ... | 327,680 | 225,300 | 138,600 | 129,700 | 136,500 | 82 | 100 | ... | ... | ... | 15th June. | |
| | Jangipur ... ... | 325,760 | 224,600 | 27,000 | 25,200 | 35,300 | 30 | 75 | ... | ... | ... | June. | |
| | District Total ... | 1,371,520 | 985,300 | 277,100 | 316,600 | 333,400 | 65 | 91 | ... | ... | ... | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908) in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represents the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
| | | | | | | | | | Acres. | | Acres. | | | |
| Jessore ... | Sadar ... ... | 1,872,153 | 239,800 | 116,300 | 129,300 | 134,700 | 65 | 75 | ... | ... | ... | April and May. | The floods have not subsided in the lowlands yet. The Subdivisional Officers are being asked to submit further estimates of the crop. The date of sowing was normal. | |
| | Magura ... ... | | 171,500 | 82,000 | 90,000 | 90,000 | 50 | 80 | ... | ... | ... | | | |
| | Bongaon ... ... | | 249,000 | 113,000 | 87,000 | 90,000 | 60 | 75 | ... | ... | ... | | | |
| | Narail ... ... | | 249,300 | 150,300 | 174,100 | 175,000 | 60 | 75 | ... | ... | ... | | | |
| | Jhenidah ... ... | | 251,400 | 92,000 | 66,000 | 75,000 | 45 | 75 | ... | ... | ... | | | |
| | District Total ... | 1,872,153 | 1,191,000 | 583,600 | 546,400 | 564,700 | 58 | [illegible] | ... | ... | ... | | | |
| Khulna ... | Sadar ... ... | 3,049,016 | 293,400 | 224,900 | 252,600 | 252,700 | 70 | 100 | 176,535 | 1903-04 to 1908-09 | 118,572 | 27th May | The weather was seasonable. The general condition of the crop is good. The sowing was normal this year. | |
| | Bagerhat ... ... | | 277,100 | 234,000 | 201,700 | 201,700 | 75 | | | | | 1st June | | |
| | Satkhira ... ... | | 299,500 | 196,500 | 196,800 | 196,900 | 100 | | | | | 22nd May. | | |
| | District Total ... | 3,049,016 | 870,000 | 655,700 | 651,100 | 651,200 | 81 | 100 | 176,535 | ... | 118,572 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patna ... | Sadar ... ... | 213,760 | 193,400 | 109,[illegible] | 37,900 | 1[illegible],000 | 14 | 100 | 73,164 | 1900-01 | 7,243 | July .. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal this year. |
| | Barh ... ... | 336,640 | 285,100 | 99,900 | 33,500 | 100,[illegible] | 20 | 100 | | | | | |
| | Bihar ... ... | 506,240 | 376,100 | 237,300 | [illegible] | 240,00[illegible] | 44 | 100 | | | | | |
| | Dinapore ... ... | 271,360 | 225,500 | 92,600 | 23,800 | [illegible] | 36 | 100 | | | | | |
| | District Total .. | 1,328,000 | 1,082,100 | 538,800 | 195,500 | 543,500 | 33 | 100 | 73,164 | ... | 7,243 | | |
| Gaya ... | Sadar ... ... | 1,212,200 | 822,300 | 497,500 | 435,300 | 497,500 | 40 | 100 | 517,900 | 1893-95 1900-02 & 1907-08. | 148,063 | 1st week of July. Middle of July. 1st week of July. End of June. | The condition of the crop up to date could hardly have been more favourable. There was early and abundant rain with timely breaks of sunshine. In some parts, the full area was not sown. The date of sowing was normal. |
| | Nawada ... ... | 611,200 | 482,200 | 360,000 | 260,000 | 360,000 | 35 | 100 | | | | | |
| | Jehanabad ... | 387,840 | 327,400 | 210,000 | 96,100 | 210,000 | 78 | 100 | | | | | |
| | Aurangabad ... | 797,440 | 449,200 | 241,900 | 60,500 | 241,900 | 25 | 100 | | | | | |
| | District Total ... | 3,015,680 | 2,118,100 | 1,309,400 | 851,900 | 1,3[illegible]400 | 42 | 100 | 517,900 | ... | 148,063 | | |
| Shahabad | Sadar ... . | 586,443 | 489,200 | 280,000 | 251,500 | 280,000 | 60 | 100 | ... | ... | ... | 15th June | The prospects of the crop appear to be favourable so far and a good crop is expected. The date of sowing was early this year owing to early rain. |
| | Buxar ... ... | 428,160 | 340,000 | 194,200 | 88,000 | 88,000 | 75 | 100 | ... | ... | ... | | |
| | Bhabua ... ... | 832,640 | 470,000 | 161,000 | 120,000 | 140,[illegible] | 30 | 75 | ... | ... | ... | | |
| | Sasaram ... ... | 953,600 | [illegible],400 | 250,000 | 139,000 | 214,000 | 35 | 89 | ... | ... | ... | | |
| | District Total ... | 2,800,843 | 1,943,600 | 795,200 | 598,500 | 722,000 | 50 | 92 | ... | ... | ... | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908), in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under this crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture Bengal. |
| | | | | | | | | | Acres. | | Acres. | | | |
| Saran | Sadar ... ... | 675,700 | 547,500 | 141,200 | 33,200 | 1. ,500 | 12 | 87 | | | 141,229 | June | The date of sowing was early in the Sadar and Siwan subdivisions and normal in the Gopalganj subdivision. The weather was seasonable, and the general condition of the crop is good. | |
| | Siwan ... ... | 542,146 | 423,300 | 142,000 | 116,300 | 134,500 | 32 | 93 | 1,633,435 | 1893—1901 | 141,996 | 5th June | | |
| | Gopalganj ... | 493,440 | 386,400 | 90,600 | 82,700 | 79,300 | 31 | 87 | | | 2nd 15 | June | | |
| | District Total ... | 1,711,286 | 1,357,200 | 373,800 | ...,700 | 338,30 | 29 | 89 | 1,633,435 | ... | 373,848 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Champaran | Sadar ... | 971,520 | 760,900 | 257,000 | 220,000 | 237,000 | 50 | 110 | 2,259,840 | 1892 to 1899 | 550,000 | End of June and beginning of July. | Owing to seasonable rainfall, the whole of the normal area has been cultivated this year. The weather has bee[illegible] favourable. The general condition o[illegible] the crop is good. The date of sow[illegible] ing was normal. |
| | Bettiah ... ... | 1,288,320 | 686,700 | 293,000 | 244,000 | 293,000 | 60 | 110 | | | | | |
| | District Total ... | 2,259,840 | 1,447,600 | 550,000 | 464,000 | 550,000 | 55 | 110 | 2,259,840 | ... | 550,000 | | |
| Muzaffarpur. | Sadar ... ... | 780,647 | 654,800 | 216,000 | 162,000 | 280,000 | 23 | 110 | 1,942,400 | 1892-93 to 1898-99 | 216,618 | From April to July. | [illegible] ier than usual. The weather has bee[illegible] the general condition of [illegible] good. |
| | Hajipur ... ... | 511,196 | 399,200 | 105,100 | 105,100 | 105,100 | 22 | 100 | | | 337,499 | | |
| | Sitamarhi ... | 650,557 | 573,000 | 337,500 | 266,000 | 355,500 | 39 | 120 | | | 105,202 | | |
| | District Total | 1,942,400 | 1,627,000 | 658,600 | 533,100 | 770,600 | 31 | 114 | 1,942,400 | ... | [illegible] | | |
| Darbhanga | Sadar ... .. | 2,142,690 | 617,400 | 382,000 | 169,400 | 392,800 | 3 | [illegible] | 2,142,690 | 1896 to 1903. | 382,000 | April and June. | The weather has been favourable. The general condition of the crop is good. The date of sowing was early and normal in the Sadar subdivision and normal in the other two subdivisions. |
| | Samastipur ... | | 392,200 | 123,500 | 72,600 | 151,000 | 25 | [illegible] | | | [illegible] | | |
| | Madhubani ... | | 668,400 | 462,400 | 245,500 | 470,400 | 10 | 100 | | | 462,400 | July | |
| | District Total ... | 2,142,690 | 1,678,000 | 967,900 | 487,500 | 1,014,200 | 10 | 99 | 2,142,690 | ... | 967,900 | | |
| Monghyr... | Sadar ... ... | 1,206,420 | 698,300 | 202,900 | 108,000 | 213,700 | 45 | 113 | 985,552 | 1901 to 1904. | 3,347 | Latter part of June and beginning of July. | The weather has been very favourable. The general condition of the crop is very good. The date of sowing was normal in the Begusarai subdivision, early in the Jamui subdivision and normal in the Sadar subdivision. The outturn is expected to be considerably above the average. |
| | Begusarai ... ... | 492,160 | 369,300 | 38,400 | 27,500 | 29,400 | 25 | 100 | | | 38,379 | | |
| | Jamui ... ... | 811,500 | 515,300 | 108,000 | 30,000 | 60,[illegible] | 20 | 106 | | | Survey not completed. | | |
| | District Total ... | 2,510,080 | 1,582,900 | 349,300 | 165,500 | 302,100 | 37 | 110 | 985,552 | ... | 41,726 | | |
| Bhagalpur | Sadar ... ... | 597,760 | 464,000 | 250,000 | 50,000 | 50,000 | 25 | 100 | 2,403,764 | 1902—04 | 131,417 | Broadcast commenced in June and transplantation in August. | Owing to sufficient and timely rainfall the weather has been very favourable to this crop and its general condition is excellent. The date of sowing was normal. |
| | Madhipura ... | 752,640 | 574,300 | 237,000 | 180,000 | 237,000 | 36 | 100 | | | 212,693 | | |
| | Banka ... ... | 756,480 | 426,100 | 248,800 | 130,000 | 248,800 | 25 | 100 | | | 238,022 | | |
| | Supaul ... ... | 597,760 | 447,000 | 217,000 | 32,500 | 217,000 | 41 | 100 | | | 201,133 | | |
| | | | | | | | | | | | 62,442 within Srinagar and Banaili Raj. | | |
| | District Total ... | 2,704,640 | 1,911,400 | 952,800 | 392,500 | 952,800 | 31 | 100 | 2,403,764 | ... | 845,707 | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908), in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
| | | | | | | | | | Acres. | | Acres. | | | |
| Purnea | Sadar ... ... | 1,646,073 | 790,000 | 314,000 | 280,000 | 300,000 | 25 | 75 | | | | | | |
| | Kishanganj ... | 861,440 | 635,000 | 350,000 | 340,000 | 350,000 | 28 | 90 | 2,506,346 | 1901-02 & 1904-05. | 576,000 | Middle of April. | The weather has been favourable and the general condition of the crop is good. The increase in area under this crop is due to timely rainfall. One or two heavy showers are still required for the completion of the transplantation operations and for the general improvement of the crop. The date of sowing was early this year. | |
| | Araria ... ... | 668,640 | 269,400 | 130,000 | 75,000 | 190,000 | 4 | 75 | | | | | | |
| | District Total . | 3,196,153 | 1,694,400 | 794,000 | 695,000 | 840,000 | 28 | 81 | 2,506,346 | | 576,000 | | | |
| Darjeeling | Sadar ... ... | 201,600 | 43,200 | 7,600 | 7,600 | 7,600 | 87 | 75 | ... | ... | | ...e June | The weather was favourable except in the Sadar and Kurseong subdivisions, where it was unsatisfactory. The general condition of the crop is good in the Siliguri and Kalimpong subdivisions and unsatisfactory in the Sadar and Kurseong subdivisions. The date of sowing was normal. | |
| | Kurseong ... | 111,360 | 4,200 | ... | ... | ... | ... | ... | ... | ... | ... | | | |
| | Siliguri ... ... | 168,316 | 70,900 | 52,700 | 17,800 | 24,100 | 70 | 90 | 147,170 | 1,897 | 46,160 | Broadca... May and transplanted in June. | | |
| | Kalimpong .. | 263,680 | 48,200 | 4,900 | 4,900 | 4,900 | 75 | 75 | 114,216 | 1,903 | 4,904 | 1st week of May. | | |
| | District Total ... | 744,956 | 166,600 | 65,200 | 30,300 | 36,600 | 75 | 85 | 261,386 | ... | 51,064 | | | |
| Sonthal Parganas | Sadar ... | 914,560 | 269,300 | 92,100 | 92,100 | 92,100 | 60 | 100 | Separate figures not available | | | Early part of June. | The weather has been favourable. The general condition of the crop is good. The date of sowing was early in the Dumka, Pakour and Rajmahal subdivisions and normal in the Deoghur, Godda and Jamtara subdivisions. | |
| | Deoghar ... ... | 610,560 | 234,100 | 49,700 | 43,600 | 49,700 | 70 | 100 | | | | | | |
| | Godda ... .. | 618,880 | 285,000 | 99,000 | 71,000 | 99,000 | 45 | 100 | | | | | | |
| | Jamtara ... ... | 445,440 | 170,100 | 55,800 | 55,800 | 55,800 | 70 | 100 | | | | | | |
| | Pakour ... ... | 437,120 | 265,400 | 133,000 | 133,000 | 133,000 | 62 | 110 | | | | | | |
| | Rajmahal ... ... | 474,240 | 325,900 | 150,000 | 150,000 | 148,400 | 50 | 100 | | | | | | |
| | District Total .. | 3,500,800 | 1,549,800 | 579,600 | 495,500 | 578,000 | 58 | 102 | ... | ... | ... | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cuttack ... | Sadar ... | 840,960 | 1,223,500 | 929,500 | 369,300 | 369,900 | 77 | 88 | 2,088,437 | 1886—1895 to 1901—1907. | 904,039 | From the beginning to the end of May. | The weather has been favourable. The general condition of the crop is good. The sowing was normal this year. The decrease in the area sown in the Kendrapara subdivision is due to transplantation being not completed. |
| | Jajpur ... ... | 704,640 | | | 262,400 | [illegible] | 62 | 90 | | | | | |
| | Kendrapara ... | 643,200 | | | [illegible] | [illegible] | 75 | 100 | | | | | |
| | Banki (including Dompara). | 149,760 | | | [illegible] | [illegible] | 75 | 100 | | | | | |
| | District Totals.. | 2,338,560 | 1,223,500 | 929,500 | 961,300 | 894,[illegible]00 | 72 | 92 | 2,088,437 | ... | 904,039 | | |
| Balasore ... | Sadar ... ... | 739,110 | 496,200 | 422,700 | 446,000 | 446,000 | 75 | 100 | 616,043 | 1891-92 to 1894-95. | [illegible] | 2nd week of May. | The weather and general condition of the crop are up to date satisfactory. The date of sowing was normal. |
| | Bhadrak ... ... | 595,258 | 436,000 | 372,300 | 339,000 | 372,300 | [illegible] | 100 | 479,735 | | 329,578 | Last week of May. | |
| | District Total ... | 1,334,368 | 932,200 | 796,000 | 785,000 | 818,300 | 75 | 100 | 1,095,778 | ... | 70,83,69 | | |
| Angul ... | Angul ... ... | 579,328 | 163,000 | 74,600 | 70,000 | 70,000 | 85 | 90 | 579,328 | 1888-89 & 1905-1908. | ... | End of May. | The date of sowing was early in Angul and normal in the Khondmals subdivision. |
| | Khondmals ... | 512,000 | 100,000 | 47,000 | 47,000 | 47,000 | [illegible] | 75 | Khondmals subdivision has not yet been surveyed. | | | 15th June | |
| | District Total ... | 1,091,328 | 263,000 | 121,600 | 117,000 | 117,000 | 79 | 84 | 579,328 | ... | ... | | |
| Puri ... | Sadar ... ... | 951,210 | 435,800 | 279,100 | 382,400 | 390,200 | 69 | 83 | 655,777 | 1890-1900 | 365,571 | 15th May | The weather has been favourable. The prospects of the crop are good. The date of sowing was early. |
| | Khurda ... ... | 648,150 | 314,400 | 269,600 | 258,700 | 273,100 | 75 | 93 | 619,013 | ... | 238,770 | | |
| | District Total ... | 1,599,360 | 750,200 | 548,700 | 641,100 | 663,300 | 71 | 87 | 1,274,790 | ... | 604,341 | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| District. | Subdivision. | Total area of subdivision, in acres. | Total area estimated to be under cultivation, in acres. | Approximate normal area under winter rice, in acres. | Approximate area under winter rice last year (1908), in acres. | Estimated area under winter rice this year (1909), in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under this crop during the cadastral survey. | Date at which the sowing of the crop was begun this year. | Remarks by District Officers. | Remarks by the Director of Agriculture, Bengal. |
| | | | | | | | | | Acres. | | Acres. | | | |
| Sambalpur | Sadar ... ... | 2,447,360 | 302,500 | 92,300 | 86,200 | 5,500 | 113 | 113 | 2,447,360 | 1884—87 & 1891—97 | 79,551 | 25th June | The areas in Column 6 have hitherto been estimated only, but now correct areas have been given after careful checking. The date of sowing was normal. The prospects of the crop appear to be good, but more rain is wanted. | |
| | Bargarh ... ... | | 533,600 | 133,600 | 142,200 | 15,[illegible]00 | 105 | 98 | | | 126,939 | | | |
| | District Total ... | 2,447,360 | 836,100 | 225,900 | 228,400 | 239,100 | 103 | 104 | 2,447,360 | ... | 206,490 | | | |
| Hazaribagh. | Sadar ... ... | 3,210,880 | 1,132,000 | 615,200 | 639,700 | 313,000 | 90 | 99 | ... | ... | ... | [illegible]une. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal. | |
| | Giridih ... ... | 1,282,560 | 571,000 | 392,500 | 373,100 | 466,900 | 62 | 97 | ... | ... | ... | | | |
| | District Total ... | 4,493,440 | 1,703,000 | 1,007,700 | 1,012,800 | 1,279,900 | 80 | 98 | ... | ... | ... | | | |
| Ranchi ... | Sadar and Khunti | 2,249,560 | 881,900 | 661,300 | 661,300 | 661,[illegible]0 | 95 | 100 | Survey operation is going on. | | | By the end of June. | [illegible] crop is good. Owing to seasonable rainfall, the prospects of the crop are good. The date of sowing was normal. I would put the estimate higher than 100 per cent, but for the fact that a disease called Suaru has appeared in some thanas. | |
| | Gumla ... ... | 2,319,360 | 618,100 | 579,600 | 579,600 | 579,[illegible] | 100 | 100 | | | | | | |
| | District Total ... | 4,568,920 | 1,500,000 | 1,240,900 | 1,240,900 | [illegible] | 97 | 100 | ... | ... | ... | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Palamau ... | Whole district ... | 3,144,960 | 627,600 | 277,900 | 149,000 | 154,[illegible] | 60 | 100 | 187,520 | 1896-97 | 15,906 | Second fortnight of June. | The weather has been on the whole very favourable and the general condition of the crop is good. The date of sowing was early. |
| Manbhum | Sadar ... ... | 2,140,160 | 1,118,500 | 762,500 | 910,300 | 916,000 | [illegible] | 110 | Not cadastrally surveyed | | | 1st week of July. | The weather has been generally favourable save that a long break in the rains in the middle of August delayed the completion of transplantation. All available plots have been sown, and the present condition of the crop is excellent. The outturn as worked out from the Police figures is between 80 and 90 per cent., but from personal observations and reports received from other sources, I put the outturn at least at 110 per cent. The figures for areas are of doubtful value, but it is certain that the area sown is from 10 per cent. to 15 per cent. in excess of the normal. The date of sowing was rather later than usual. |
| | Dhanbaid ... | 513,920 | 300,700 | 183,000 | 200,000 | 200,000 | 100 | 110 | | | | | |
| | District Total ... | 2,654,080 | 1,419,200 | 945,500 | 1,110,300 | 1,116,000 | 108 | 110 | ... | ... | ... | | |
| Singhbhum | Whole district ... | 2,490,240 | 840,700 | 315,000 | 315,000 | 315,000 | 95 | 90 | 1,761,984 | 1898—97 to 1900—03. | ... | May ... | The crop is in fairly good condition. The date of sowing was normal this year. |
| | GRAND TOTAL ... | 74,121,085 | 38,833,900 | 20,690,500 | 17,909,500 | 21,179,200 | 72 | 96 | ... | ... | ... | | |

## APPENDIX II.

*Statement showing the Rainfall from May to September 1909.*

| Division and District. | May. | | June. | | July. | | August. | | September. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Normal average. | Actual average. | Normal average. | Actual average. | Normal average. | Actual average. | Normal average. | Actual average. | Normal average. | Actual average. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | Inches. | |
| BURDWAN. Burdwan ... | 5·08 | 4·51 | 10·15 | 12·84 | 12·25 | 8·49 | 11·76 | [illegible]·19 | 8·40 | 9·89 |
| Birbhum ... | 4·07 | 2·33 | 10·96 | 14·89 | 12·49 | 7·54 | 10·93 | [illegible]·61 | 10·39 | 9·95 |
| Bankura ... | 4·36 | 3·57 | 10·83 | 10·21 | 12·22 | 8·57 | 11·88 | [illegible]·38 | 8·70 | 10·11 |
| Midnapore ... | 5·39 | 4·29 | 10·23 | 11·67 | 11·48 | 10·75 | 12·82 | 17·04 | 9·61 | 11·17 |
| Hooghly ... | 5·50 | 4·31 | 10·28 | 13·04 | 12·02 | 6·15 | 12·58 | 19·29 | 8·83 | 5·60 |
| Howrah ... | 5·27 | 3·80 | 10·93 | 17·81 | 11·53 | 9·34 | 11·40 | 20·87 | 9·45 | 8·01 |
| PRESIDENCY. 24-Parganas ... | 5·49 | 5·44 | 10·89 | 16·82 | 12·98 | 9·87 | 13·29 | 15·50 | 10·04 | 9·29 |
| Nadia ... | 6·72 | 5·42 | 10·00 | 11·50 | 10·36 | 7·22 | 10·96 | 23·15 | 8·48 | 8·06 |
| Murshidabad ... | 5·13 | 3·38 | 10·15 | 15·43 | 10·90 | 8·67 | 10·45 | 20·[illegible] | 9·35 | 12·78 |
| Jessore ... | 7·13 | 6·44 | 11·69 | 12·81 | 10·64 | 9·34 | 10·67 | 29·[illegible] | 8·45 | 5·89 |
| Khulna ... | 6·45 | 6·91 | 12·77 | 15·76 | 13·10 | 12·9[illegible] | 12·32 | 19·78 | 9·55 | 12·33 |
| PATNA. Patna ... | 1·75 | 0·16 | 7·71 | 12·91 | 12·40 | 11·34 | 11·21 | 14·34 | 7·20 | 6·78 |
| Gaya ... | 1·18 | 0·09 | 6·52 | 13·31 | 12·40 | 10·80 | 11·72 | 13·50 | 6·55 | 9·24 |
| Shahabad ... | 0·77 | 0·10 | 6·44 | 14·53 | 12·69 | 10·73 | 11·66 | 6·93 | 6·96 | 4·94 |
| TIRHUT. Saran ... | 1·55 | 0·40 | 7·95 | 14·81 | 11·77 | 10·06 | 11·00 | 14·98 | 8·20 | 6·19 |
| Champaran ... | 2·61 | 1·76 | 9·34 | 12·40 | 13·72 | 11·91 | 12·81 | 17·85 | 9·89 | 1·89 |
| Muzaffarpur ... | 2·29 | 1·26 | 7·41 | 16·60 | 12·03 | 9·16 | [illegible]·00 | 14·84 | 8·70 | 4·58 |
| Darbhanga ... | 2·56 | 1·73 | 7·47 | 23·69 | 12·59 | 13·69 | [illegible]·49 | 14·61 | 10·06 | 4·05 |
| BHAGALPUR. Monghyr ... | 2·16 | 0·67 | 7·62 | 17·10 | 13·33 | 9·94 | [illegible]·41 | 16·11 | 9·57 | 9·27 |
| Bhagalpur ... | 3·15 | 1·82 | 8·38 | 16·99 | 12·72 | 8·21 | [illegible]·66 | 13·86 | 10·90 | 8·63 |
| Purnea ... | 5·41 | 2·46 | 12·61 | 26·78 | 18·16 | 10·73 | 14·98 | 14·89 | 15·44 | 8·42 |
| Darjeeling ... | 9·39 | 8·34 | 23·36 | 35·97 | 32·08 | 28·64 | 24·86 | 28·03 | 18·22 | 13·39 |
| Sonthal Parganas. | 2·75 | 1·68 | 9·79 | 15·03 | 12·68 | 9·50 | 11·66 | 15·59 | 11·10 | 9·29 |
| ORISSA. Cuttack ... | 4·23 | 3·37 | 9·71 | 9·86 | 11·89 | 17·52 | 12·77 | 10·01 | 10·19 | 11·69 |
| Balasore ... | 5·06 | 4·34 | 9·10 | 10·62 | 12·03 | 14·63 | 11·85 | 10·29 | 11·13 | 10·12 |
| Angul ... | 2·43 | 1·11 | 9·78 | 11·00 | 12·17 | 11·03 | 10·45 | 7·27 | 9·57 | 3·00 |
| Puri ... | 3·13 | 1·31 | 8·17 | 11·51 | 10·23 | 15·20 | 12·05 | 5·53 | 9·82 | 15·95 |
| Sambalpur ... | 1·23 | 0·18 | 10·46 | 18·06 | 18·37 | 18·89 | 15·18 | 11·16 | 8·30 | 8·56 |
| CHOTA NAGPUR. Hazaribagh ... | 1·89 | 0·18 | 8·43 | 9·94 | 14·33 | 9·4[illegible] | 12·60 | 15·85 | 8·37 | 10·81* |
| Ranchi ... | 1·69 | [illegible]·29 | 9·64 | 10·01 | 14·38 | 1[illegible] | 13·21 | 13·67 | 8·30 | 10·69 |
| Palamau ... | 0·94 | [illegible]·16 | 6·80 | 11·37 | 13·85 | [illegible]·37 | 13·42 | 6·19 | 7·65 | 5·90 |
| Manbhum ... | 2·81 | 1·43 | 9·59 | 10·52 | 12·80 | 8·45 | 12·78 | 15·55 | 8·52 | 17·80 |
| Singhbhum ... | 3·33 | 1·64 | 10·57 | 13·13 | 15·07 | 10·91 | 14·54 | 14·90 | 8·19 | 16·24 |

* Figures relat[illegible] to head quarters station only.

## WEATHER AND CROP REPORT.

*For the week ending the 18th October 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·48 | 10¼ | 10¼ | Weather cloudy with strong winds. Stocks of food-grains sufficient. Fodder and water sufficient. |
| 2 | BIRBHUM ... | 0·02 | 10 | 10 | Rainfall at Rampurhat *nil*. Weather stormy and cloudy. Standing crops thriving well. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | 0·04 | [illegible] | 10¾ | Rainfall at Vishnupur *nil*. Weather seasonable. Prospects of winter rice good. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE | 0·21 | 9 | 9 | Weather seasonable. Prospects of winter rice good except in portions of the Ghatal subdivision. Sowings of tobacco, linseed, mustard and rape-seed continuing in Tamluk only and of late cotton in Tamluk and Contai. No cattle-disease reported. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Contai, at 8 seers at Tamluk and at [illegible] seers at Ghatal. |
| 5 | HOOGHLY ... | 3·98 | 9 | 8½ | Weather stormy. Prices of food-grains falling. Stocks of food-grains sufficient. No likelihood of scarcity. Harvesting of jute and weeding of winter paddy continuing. Fodder and water sufficient. Harvesting of *aus* paddy over. No cattle-disease. |
| 6 | HOWRAH ... | 2·39 | 9 | 9 | Weather cloudy and stormy. Standing winter paddy outside the flooded tract doing well. A 75 per cent. crop expected. Harvesting of *aus* paddy and steeping of jute nearly completed. Prospects of sugar-cane fair. Vegetables doing well. No cattle-disease reported. Stocks of food-grains, fodder and water sufficient. |
| 7 | 24-PARGANAS | 3·21 | 9 | 9½ | Weather cloudy and windy. Steeping and threshing of jute continuing. Sowing of *rabi* crops commenced. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 10 seers at Basirhat, at 8½ seers at Barrackpore and at 11 seers at Diamond Harbour. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | ... | ... | $11\frac{9}{16}$ | Report not received. |
| 9 | MURSHIDABAD | ... | ... | $10\frac{1}{2}$ | Report not received. |
| 10 | JESSORE ... | ... | ... | $11\frac{5}{8}$ | Report not received. |
| 11 | KHULNA ... | ... | ... | 11 | Report not received. |
| 12 | PATNA ... | Nil | 11<br>19* | 11<br>19* | Weather seasonable. Condition of standing crops good. Sugarcane doing well. Lands being prepared for *rabi* crops. Cattle-disease reported from Nowbatpur, Mancir, Paliganj, Bikram and Asthawan police-stations. |
| 13 | GAYA ... | Nil | $10\frac{1}{2}$†<br>$18\frac{15}{16}$* | $10\frac{3}{4}$<br>$11\frac{11}{16}$* | Weather seasonable. Prospects of standing crops favourable. Ploughing for *rabi* crops continuing. Fodder and water for cattle sufficient. Cattle-disease reported from four villages in Aurangabad and one village in the Sadar subdivision. |
| 14 | SHAHABAD ... | Nil | $10\frac{1}{2}$<br>18* | $10\frac{1}{4}$<br>18* | Sugarcane and paddy crops doing well. Lands being prepared for *rabi* crops. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Rangoon rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | Nil | 12 / 21* | 12½ / 21* | Weather seasonable. Rain wanted for up-land paddy. Lands being prepared for *rabi* sowings. Prices of staple food-crops stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 12¾ / 22* | 13† / 21 | Weather cold at night. Fields being prepared for *rabi* crops. Condition of agricultural stock good. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 11½ / 21* | 11 / 21½* | Weather seasonable. Prospects of all standing crops good. Transplantation of *ahua* and tobacco continuing. Fodder and water sufficient. No cattle-disease. Common rice and maize selling at 8⅝ and 22½ seers a rupee, respectively, at Sitamarhi and at 10 and 18 seers a rupee, respectively, at Hajipur. |
| 18 | DARBHANGA ... | Nil | 13 3/16† / 22* | 13 3/16† / 22* | Weather seasonable. Prospects of standing crops good. Fields being prepared for *rabi* sowings. Food-stocks plentiful. Fodder and water sufficient. No cattle-disease reported. *Makai* selling at 22 seers per rupee in Darbhanga bazar. Common rice (average quality) selling at 11 seers a rupee. |
| 19 | MONGHYR ... | Nil | 10¾ / 20* | 10¾ / 20* | Weather seasonable. Lands being ploughed for *rabi* sowings. Condition of paddy crops good. Prices of staple food-grains stationary. No cattle-disease reported. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | 0·10 | 9½ / 20¼* | 8⅞ / 20¼* | Weather seasonable. Condition of jute good. Present condition and prospects of standing crops very good. No apprehension of scarcity. Agricultural stock sufficient. Cattle-disease reported from Bangaon Madhipura, Daparkha and Supaul thanas. Fodder and water sufficient. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | 0·71 | 11† | 10† | Weather cloudy. Lands being ploughed for *rabi* crops. Prospects of *aghani* paddy very good. Washing of jute continuing. Stray cases of cattle-disease reported from several thanas. Fodder and water sufficient. No apprehension of scarcity. New *bhadoi* rice selling at 10½ seers per rupee at Kishanganj and at 10 seers per rupee at Araria. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | Nil | 8<br>15* | 8<br>15* | Rainfall at Siliguri [illegible] weather seasonable. Hills —Maize, potatoes, *chota marua* and *bhadoi* paddy being harvested. *Bara marua* and winter rice growing. Oilseeds being sown. Terai—Sowings of *rabi* crops commenced. Prospects good. Prices stationary. Fodder and water sufficient. |
| 23 | SONTHAL PARGANAS. | Nil | 11 11/16<br>20¼* | 11 11/16<br>20¼* | Weather cloudy. Prospects of standing crops favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Cattle-disease reported from the Deoghur and Godda subdivisions. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 11 13/16 | 11 13/16 | *Laghu saradh* paddy in ear. *Guru saradh* paddy, sugarcane, *biri*, and *mung* growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·19 | 16 | 14 | Rain wanted for paddy on high lands. Weather seasonable. *Saradh* paddy in ear in places. Sugarcane thriving. Harvesting and steeping of jute continuing. Sowings of *rabi* crops going on. Condition of cattle good. Fodder and water available. Common rice selling at 15 seers a rupee at Bhadrak. Prices falling at Sadar and stationary at Bhadrak. |
| 26 | ANGUL ... | Nil | 15¾ | 15¾ | Rainfall at Phulbani *nil*. Prospects of crops good, but more rain wanted. Condition of agricultural stock good. Cattle-disease reported. Common rice selling at 12 seers per rupee at the Khondmals. |
| 27 | PURI ... | Nil | 10½ | 10½ | *Laghu saradh* and sugarcane thriving well, but rain much wanted. *Kulthi* being sown. Cotton in flower and pod. Fodder and water sufficient. Cattle-disease reported from Bhubaneswar. Common rice selling at 11 13/16 seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 17 | 15 | Reaping and threshing of autumn rice continuing. Harvesting of *urid* commenced. Condition of standing crops, sugarcane, cotton, winter rice and *til* good. Paddy crops partly suffering from want of rain in the Bargarh *tahsil*. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, malignant sore throat, foot-and-mouth disease reported. Cheapest rice selling at 18 seers per rupee at Bargarh. |
| 29 | HAZARIBAGH... | ... | 10½<br>20* | 10½<br>22* | Standing crops good. *Rabi* crops being sown. No cattle-disease. Fodder and water sufficient. |
| 30 | RANCHI ... | Nil | ... | 13¼† | Weather seasonable and slightly cloudy. Standing crops doing well. Sowing of rape and mustard commenced in places. Condition of agricultural stock good. Fodder and water sufficient. Common rice (average quality) selling at 10 seers a rupee at Sadar. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 31 | PALAMAU ... | Nil | [illegible] | 9½‡ | Weather seasonable. *Rabi* sowings continuing. Early variety of paddy being harvested. Standing crops doing well. Fodder and water sufficient. Cattle-disease reported from several thanas. Burma rice selling at 9½ seers a rupee. |
| 32 | MANBHUM ... | 0·15 | 12 | 12 | Weather seasonable. State of standing crops good. Sowing of wheat in progress. Outturn of *marua* estimated at 100 per cent. Fodder and water sufficient. Cattle-disease reported from Rajganj police outpost. Condition of agricultural stock good. Prices of staple food-grains showing a tendency to go down. Stocks of food-grains adequate. Common rice selling at 11 seers a rupee at Dhanbaid. |
| 33 | SINGHBHUM ... | Nil | 10 | 9 | Weather seasonable and cloudy. Harvesting of early paddy going on. State of standing crops good. Fodder and water sufficient. |
| 34 | COOCH BEHAR | 0·96 | 7 3/11 | 7 2/11 | Weather hot and cloudy. Steeping and washing of jute continuing. Condition of jute fair. Prices of food-grains stationary. Cattle-disease reported from Mecklaganj and Tufanganj. No apprehension of scarcity or famine. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Daspalla ... ·24<br>Hindol ... ·14<br>Keonjhar ... ·02<br>Mayurbhanj ... ·03<br>Nilgiri ... ·09<br>No rain in other States.<br>Weather fair and seasonable. Sowing of *mung*, *kulthi* and mustard in progress. Harvesting of early paddy continuing. State of standing crops good, but more rain wanted in Athmallik, Baramba, Baud, Dhenkanal, Hindol, Khandpara, Narsinghpur, Ranpur and Talcher. Estimated outturn of *beali* paddy 8 annas in Hindol, 12 annas in Athmallik, 14 annas in Athgarh and 16 annas in Keonjhar, Mayurbhanj, Nayagarh and Nilgiri. Fodder and water sufficient. Price of rice risen in 5 States, fallen in 2 States and stationary in the remaining 17 States. |

* The report is for the week ending the 9th October 1909.
† New rice.
‡ Burma rice

GENERAL SUMMARY.—The weather was seasonable at the beginning of the week, but towards the latter part it became cyclonic in Lower Bengal, and owing to this reports have not been received from all districts. From Nadia, Murshidabad, Jessore and Khulna no reports have been received up to now, but from the information received up to the present it appears that in Lower Bengal the rainfall has been general and in the rest of the Province a few scattered showers have been received. Harvesting of autumn crops is near completion. Winter paddy and sugarcane—two most important crops of this Province—are thriving, but more rain is wanted for winter paddy on high lands in some districts in Bihar and Orissa. The price of common rice has risen in the 24-Parganas, Gaya, Saran and Champaran, and has fallen in Bankura, Hooghly, Shahabad, Muzaffarpur, Bhagalpur, Purnea, Balasore, Sambalpur, Palamau and Singhbhum. Cattle-disease is reported from Patna, Gaya, Bhagalpur, Purnea, the Sunderbans, Parganas, Angul, Puri, Sambalpur, Palamau and Manbhum. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 19th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour*

**Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th October 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Oct. | 10th | 141·3 | No instrument report. | 29·734 | 83 | 90·9 | 14·9 | 76·0 | 76·0 | 0·806 | 72·7 | 72 | WNW and calm | 66 | Nil | Clear. |
| " | 11th | 137·6 | | ·773 | 83 | 90·7 | 14·4 | 76·3 | 72·9 | ·675 | 67·5 | 60 | NW by N and N | 51 | Nil | Chiefly clear. |
| " | 12th | 138·3 | | ·856 | 80·9 | 89·7 | 16·6 | 73·1 | 74·8 | ·778 | 71·7 | 73 | N and calm ... | 18 | Nil | Chiefly clear. |
| " | 13th | 141·2 | | ·847 | 81·5 | 91·0 | 18·1 | 72·9 | 74·0 | ·742 | 70·3 | 70 | N and NNW ... | 55 | Nil | Chiefly clear. |
| " | 14th | 141·1 | | ·824 | 81·5 | 90·2 | 16·5 | 73·7 | 74·4 | ·757 | 70·9 | 71 | Calm and WNW | 51 | Nil | Chiefly clear. |
| " | 15th | 140·1 | | ·803 | 80·7 | 88·9 | 15·4 | 73·5 | 74·2 | ·755 | 70·8 | 71 | NW by W, NNW and N by W. | 93 | Nil | Chiefly clear. |
| " | 16th | 140·8 | | ·757 | 81·1 | 88·[illegible] | 14·2 | 74·5 | 74·9 | ·794 | 72·3 | 75 | N by W and N ... | 104 | Nil | Partially cloudy. |

| | Inches. |
|---|---|
| The mean pressure of the seven days ... ... ... ... | 29·799 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 29·833 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | [illegible] |
| The maximum possible number of hours of sunshine ... ... ... | 815 |
| The mean temperature of the seven days ... ... ... ... | 81·7 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 82·5 |
| The extreme variation of temperature ... ... ... ... | 18·1 |
| The maximum temperature ... ... ... ... ... | 91·0 |
| The highest velocity of the wind in one hour ... ... ... | 11 |
| The mean relative humidity ... ... ... ... ... | 70 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 80 |
| The total fall of rain from 10th to 16th October 1909 ... ... ... | Nil. |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 1·03 |
| The total fall from 1st January to 16th October 1909 ... ... ... | 67·89 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 62·06 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

▲, dew ; o, overcast.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 18th October 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

No

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 110,752 | 90,254 | 167,161 | 64 | 104 | 8,098 | 777 | 176,204 | 17,447,400 | 29 | ..... |
| Birbhum ... ... | 68,985 | 6 | 68,859 | 1,220 | ..... | 30 | ..... | 70,139 | ..... | 272 | ..... |
| Bankura ... ... | 5,850 | 344 | 6,065 | ..... | ..... | 204 | ..... | 6,269 | ..... | 396 | ..... |
| Midnapore ... ... | 639,495 | 14,863 | 648,784 | 2 | 33 | 1,236 | 385 | 650,440 | ..... | 1,581 | ..... |
| Hooghly ... ... | 415,830 | 23,130 | 430,286 | 501 | 38 | 18,703 | 139 | 449,667 | 49,007 | 394 | ..... |
| 24-Parganas ... .. | 996,413 | 255,100 | 1,155,851 | 225 | ... | 23,855 | ..... | 1,179,931 | 68,668 | 9,935 | ..... |
| Nadia ... ... | 3,383 | 729 | 3,836 | 30,004 | 32 | 637,900 | 114,173 | 795,065 | ..... | 6,034 | ..... |
| Murshidabad ... ... | 8,217 | 3,335 | 10,301 | 26,302 | 2 | 122,868 | 31,016 | 192,489 | ..... | 784 | ..... |
| Jessore ... ... | 1,4[illegible]0 | ..... | 1,460 | 2,292 | ... .. | 51,584 | 607 | 55,943 | ..... | 5,758 | ..... |
| Khulna ... ... | 7,937 | 27,408 | 25,067 | 400 | ..... | 9,413 | 550 | 35,430 | ..... | 775 | ..... |
| Total Bengal ... | 2,258,219 | 415,169 | 2,517,700 | 72,070 | 209 | 873,951 | 147,647 | 3,611,577 | 17,555,075 | 25,858 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna ... ... | 26 | ..... | 26 | 11,633 | ... .. | 62,467 | [illegible],521 | 93,647 | ..... | 402 | ..... |
| Gaya ... .. | 38 | ..... | 38 | 35,763 | ... .. | 23,402 | 742 | 6[illegible],035 | ..... | 390 | ..... |
| Shahabad ... ... | 33 | ..... | 33 | 156,542 | 15 | 96,594 | [illegible]840 | 255,024 | ..... | 3 | ..... |
| Saran ... ... | 10 | ..... | 10 | 357 | 40 | 7,440 | [illegible]52 | 8,129 | ..... | 87 | ..... |
| Champaran ... .. | 4 | ..... | 4 | 19,621 | ..... | 2,436 | [illegible]0 | 22,081 | ..... | 1,370 | 22 |
| Muzaffarpur ... ... | 10 | 20 | 22 | 7,804 | 1 | 4,030 | 5[illegible] | 12,410 | ..... | 753 | 71 |
| Darbhanga ... ... | ..... | ..... | ..... | 3,089 | ..... | 1,116 | ..... | 4,205 | ..... | 7 | ..... |
| Monghyr ... ... | 12 | ..... | 12 | 38,090 | ..... | 135,185 | 93[illegible] | 174,174 | 43 | 2,593 | ..... |
| Bhagalpur ... ... | 28 | ..... | 28 | 45,988 | ..... | 29,682 | 2,296 | 77,994 | ..... | ..... | ..... |
| Purnea .. ... | 24 | ..... | 24 | 217 | ..... | 565 | ..... | 806 | ..... | 101 | ..... |
| Sonthal Parganas ... | 41 | ..... | 41 | 53,636 | ..... | 23,182 | 993 | 77,852 | 6,234 | 109 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 2,382 | 900 | ..... | ..... | 3,291 | ..... | 62 | ..... |
| Total Bihar ... | 226 | 20 | 238 | 375,072 | 965 | 386,195 | 32,184 | 794,654 | 6,277 | 5,907 | 93 |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 13,233 | 9,296 | 19,043 | 2,546 | ..... | 8,499 | ..... | [illegible],088 | ..... | 132 | ..... |
| Balasore ... ... | 137,618 | 15,112 | 147,063 | ..... | 2 | 1,009 | 12 | 148,086 | ..... | 702 | ..... |
| Puri ... ... | 56,123 | 956 | 56,721 | ..... | 18 | 5 | ..... | 56,744 | ... | ..... | ..... |
| Sambalpur ... ... | 12,261 | ..... | 12,261 | 2 | ..... | ..... | ..... | 12,264 | ... | ..... | ..... |
| Mourbhanj State ... | 5,613 | 356 | 5,835 | ..... | ..... | 3 | ..... | 5,838 | ..... | 120 | ..... |
| Total Orissa ... | 224,848 | 25,720 | 240,923 | 2,548 | 20 | 9,516 | 12 | 253,019 | ..... | | |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh ... ... | 8 | ..... | 8 | ..... | ..... | ..... | ..... | 8 | [illegible],961 | | |
| Ranchi ... ... | 13 | ..... | 13 | ..... | ..... | ..... | ..... | 13 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | [illegible]30 | 28 | ..... |
| Manbhum ... ... | 45 | 1 | 46 | ..... | 132 | 40 | ..... | 218 | 2,701,7[illegible] | 5 | ..... |
| Singhbhum .. ... | 7,132 | 1,273 | 7,927 | ..... | 9 | 2 | ..... | 7,938 | ..... | 188 | ..... |
| Gangpur (Tributary State) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total Chota Nagpur | 7,198 | 1,274 | 7,994 | ..... | 141 | 42 | ..... | 8,177 | 21,738,172 | 324 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 2,490,491 | 442,183 | 2,766,855 | 449,630 | 1,335 | 1,269,704 | 179,843 | 4,667,427 | 39,2[illegible],524 | 33,193 | 93 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| E B and Assam ... | 189,006 | 9,449 | 194,912 | 37,054 | 110 | 159,642 | 15,939 | 407,657 | ..... | 138,144 | ..... |
| Burma .. | 4,134,043 | 1,253,640 | 4,917,568 | 2,033 | ... | 17,484 | 57,192 | 4,994,277 | ..... | 42,185 | ..... |
| U P of Agra and Oudh | 1,041 | ..... | 1,041 | 4,198,861 | 12,863 | 598,070 | 89,334 | 4,900,169 | 6,179 | 22,600 | ..... |
| Panjab .. ... | 349 | ..... | 349 | 25,792 | 667 | 24,307 | 1,555 | 52,760 | ..... | 7,996 | ..... |
| Sind and British Baluchistan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Central Provinces and Berar | 26,851 | 1,745 | 27,942 | 291,186 | ..... | 83,940 | 268 | 403,306 | ..... | 47,185 | ..... |
| Bombay ... ... | ..... | ..... | ..... | 696 | ..... | 211 | 2 | 909 | ..... | 19,878 | ..... |
| Madras ... ... | 1,604 | 1,976 | 2,989 | ..... | ..... | 37,729 | 923 | 41,491 | ..... | 35,559 | ..... |
| Rajputana and Central India | 393 | ..... | 393 | 54,944 | ..... | 37,417 | 36 | 92,789 | ..... | 11,832 | ..... |
| GRAND TOTAL 1909 ... | 6,843,778 | 1,708,993 | 7,911,899 | 5,060,226 | 14,975 | 2,228,594 | 345,091 | 15,560,785 | 39,305,703 | 358,482 | 93 |
| GRAND TOTAL 1908 ... | 5,843,309 | 2,743,385 | 7,557,924 | 1,301,249 | 23,565 | 1,389,226 | 422,952 | 10,694,926 | 46,208,008 | 245,909 | 35 |
| GRAND TOTAL 1907 ... | 4,568,044 | 1,784,597 | 5,083,417 | 2,034,801 | 48,064 | 1,8[illegible],047 | 365,116 | 9,941,445 | 43,868,826 | 433,772 | 705 |

* One maund of paddy is equivalent to 25 seers of rice

† Including gunny cloth, 2 yards = 1 bag

I

*by Rail, Road, River, Canal and Sea (coastwise) in the four months of April to July 1909*

| Jute. | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | |
| | | | | | | | | | | | **Bengal** |
| ..... | 52,058 | 5,765 | 3,[illegible] | ... .. | 9 | ..... | 32 | ..... | 2,135 | 13 | Burdwan |
| 7 | 10,045 | 1,489 | 1,[illegible] | 403 | 54 | ... .. | ..... | ..... | ..... | 2 | Birbhum |
| ... | 6,370 | 109 | ..... | 2 | ..... | .... | ..... | ..... | 105 | 433 | Bankura |
| 317 | 55,145 | 1 | 4,[illegible] | 202 | 118 | 32 | 8,835 | ..... | 8 | 1 | Midnapore |
| 24,551 | 17,344,885 | .... | 5,[illegible]74 | 1,731 | ..... | 620 | 5,737 | ..... | 22,835 | 2,319 | Hooghly |
| 127,073 | 42,530,804 | 175 | 546 | 270 | ..... | 124,147 | 35,584 | ..... | 7,226 | 3,341 | 24-Parganas |
| 26,403 | 240,524 | .. | 65,820 | 1,143 | ..... | 8 | 25,533 | ..... | 11,189 | 10 | Nadia |
| 29,318 | 13,915 | 3,100 | 31,682 | 5,053 | 2,528 | 18 | 110 | .. ... | 36 | 2 | Murshidabad |
| 18,007 | 18,410 | ..... | 2,813 | 49[illegible] | .. .. | 25 | 41,833 | ..... | 4,749 | ..... | Jessore |
| 39,011 | 4,130 | ..... | 607 | 3,10[illegible] | ..... | ..... | 15,570 | ..... | 73 | ..... | Khulna |
| 264,687 | 60,276,886 | 10,798 | 115,314 | 12,908 | 2,7[illegible]9 | 124,850 | 133,234 | ..... | 48,416 | 6,121 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 306 | 3,036 | 1,086 | 246,101 | 74,[illegible]30 | ..... | ..... | 183 | 1 | 4,866 | 10,539 | Patna |
| ..... | 9,730 | 19,113 | 189,023 | 18,268 | ..... | 66 | 119 | 1 | 390 | 4,258 | Gaya |
| ..... | [illegible],870 | 26 | 202,318 | [illegible]413 | ..... | 1,516 | 2,807 | .. .. | ..... | 417 | Shahabad |
| 16 | 2,905 | 2,414 | 44,049 | [illegible],794 | ..... | ..... | 3,069 | ..... | 34 | 6 | Saran |
| 2,268 | 105 | 23 | 178,422 | [illegible],497 | ..... | ..... | 47 | ..... | ... | .. ... | Champaran |
| 1,648 | 3,535 | ..... | 243,047 | [illegible],237 | ..... | ..... | 404 | ..... | 2,379 | ..... | Muzaffarpur |
| 3,829 | 6,020 | 7 | 209,401 | [illegible],570 | ..... | .. | 608 | 46 | 18,984 | | Darbhanga |
| 3,460 | 15,540 | . | 88,886 | 93,794 | ..... | 2 | ..... | ... . | 1,807 | 3,426 | Monghyr |
| 8,055 | 5,005 | 73 | 87,397 | 165,173 | 2 | ..... | 3 | 1 | 1,360 | ..... | Bhagalpur |
| 137,083 | 38,325 | 196 | 6,426 | 61,072 | ..... | ..... | ..... | ..... | 47,804 | 244 | Purnea |
| 15,965 | 5,495 | 22,766 | 14,704 | 43,249 | .. .. | . ... | ... .. | . . .. | . | 136 | Sonthal Parganas |
| 4,210 | 61,040 | 57 | .. . . | 106 | ..... | ..... | ..... | 47,527 | 5,598 | ..... | Darjeeling |
| 73,982 | 175 | ..... | ..... | 410 | ..... | ..... | .. .. | ..... | 6,895 | ..... | Cooch Behar |
| 250,802 | 153,781 | 45,766 | 1,509,774 | 848,613 | 2 | 1,584 | 7,340 | 47,576 | 90,207 | 19,026 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 1,629 | 1,925 | | 30 | 1,184 | ..... | ..... | ..... | ..... | ..... | ..... | Cuttack |
| 45,979 | 12,019 | 6 | 339 | 79 | ..... | | | ..... | 544 | .. .. | Balasore |
| ... . | ..... | ..... | ... .. | 708 | ..... | ..... | ... | ..... | ..... | ..... | Puri |
| 175 | [illegible] | 46 | ..... | [illegible] | ..... | ... .. | ... . . | ..... | ..... | ..... | Sambalpur |
| ..... | | 5 | ..... | ..... | ..... | . . | ..... | ..... | ..... | ..... | Mourbhanj State |
| | | 131 | 369 | 2,242 | ... . | ..... | .. ... | ..... | 544 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| .. | 4,480 | [illegible]93 | 1,707 | 74 | ..... | ..... | ..... | ..... | ..... | ..... | Hazaribagh |
| . .... | 2,100 | 15,[illegible]62 | ..... | ..... | ..... | ..... | ..... | 581 | ... .. | ..... | Ranchi |
| ..... | 4,30[illegible] | 8,[illegible]26 | 3,699 | 4,169 | ..... | ... .. | 2 | ..... | ..... | ..... | Palamau |
| ..... | 5,[illegible] | 47,779 | 58 | 700 | 3[illegible] | ..... | .... | 1 | ..... | . . | Manbhum |
| 2 | 1[illegible]45 | [illegible]472 | 4,353 | ... .. | ... .. | ... .. | ..... | ..... | ... .. | ..... | Singhbhum |
| ... . | ..... | 52 | ..... | .. | ..... | ..... | ..... | ..... | ..... | ..... | Gangpur (Tributary State). |
| 2 | 17,535 | [illegible],584 | 14,817 | 4,943 | 3[illegible] | ..... | 2 | 582 | ..... | ..... | Total Chota Nagpur |
| 563,274 | 60,462,706 | [illegible]4,279 | 1,640,274 | 868,706 | 2,714[illegible] | 126,434 | 140,576 | 48,158 | 139,107 | 25,147 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Places** |
| 2,511,878 | 435,675 | 9,459 | 125,819 | 335,925 | 1,139 | 13 | 856 | 349,303 | 97,132 | 7 | E B and Assam |
| ..... | 1,000 | 2,371 | ..... | ..... | ..... | 4,729 | ..... | 5 | 4,104 | 133 | Burma |
| 3,610 | 33,425 | 75,406 | 709,803 | 871,850 | ..... | 52 | 3,375 | 943 | 684 | 155 | U P of Agra and Oudh |
| ..... | 1,470 | ..... | ..... | 5,085 | ..... | ..... | 70 | 34 | 14 | 2 | Panjab |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 19 | Sind and British Baluchistan. |
| 631 | 23,485 | 2,781 | 40,833 | 3,458 | ..... | ..... | 489 | 2 | 53 | 131 | Central Provinces and Berar |
| ..... | 490 | ... . | ..... | .. .. | 2 | 1,505 | ..... | 53 | 1,573 | 69 | Bombay |
| 13 | 55,655 | .. .. | . . | 2,[illegible]97 | 6[illegible] | 12,830 | ..... | 111 | 6,031 | 366 | Madras |
| ..... | 12,180 | 5,174 | 118,353 | 6,118 | ... .. | ..... | 3 | ..... | ..... | 4 | Rajputana and Central India |
| 3,079,406 | 61,026,086 | 229,529 | 2,644,582 | 2,093,989 | 3,862[illegible] | 145,563 | 145,369 | 398,609 | 248,758 | 26,033 | 1909 } Grand Total |
| 4,273,814 | 48,129,376 | ... .. | 1,974,703 | 1,434,998 | 4,851[illegible] | 173,621 | 181,051 | 411,610 | 240,487 | 18,376 | 1908 } Grand Total |
| 2,357,501 | 55,786,165 | ..... | 3,423,914 | 1,761,252 | 6,443 | 159,2[illegible]3 | 139,784 | 456,767 | 228,746 | 16,026 | 1907 } Grand Total |

## No II

*Statement of the Routes by which the Articles enumerated in Table No I were imported into the Calcutta Trade Block in the four months of April to July 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... .. | 1,421,836 | 248,076 | 16,983 | 75 | 358,860 | 529 | 1,819 | 9,360 | ... .. |
| ,, river steamer ... | 36,755 | 13,661 | 3,405 | 39 | 44,036 | 959 | 43 | 63,730 | ..... |
| ,, rail: E. I. Railway | 118,478 | 30,812 | 4,678,721 | 13,813 | 1,050,994 | 126,538 | 30,913,291 | 50,823 | 93 |
| ,, rail: E. B. S. Railway (including B. C. Railway) | 318,798 | 74,352 | 72,803 | 1,019 | 351,60[illegible] | 158,080 | 173,387 | 18,061 | ..... |
| ,, rail: A.-B. Railway ... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | 2,776 | ..... |
| ,, rail: B.-N. Railway ... | 293,373 | 38,079 | 286,281 | 29 | 1,913 | 269 | 8,146,163 | 54,336 | ..... |
| ,, rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ,, rail: B.-P. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ... .. | ..... |
| ,, rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 11,380 | 68 | ..... | ..... | 2 | ..... | ..... | ..... | ..... |
| ,, road ... ... | 479,199 | 44,062 | ..... | ..... | 1,047 | ... .. | 71,059 | 4,432 | ..... |
| ,, sea ... ... .. | 4,163,953 | 1,259,888 | 2,033 | ..... | 52,242 | 58,116 | ..... | 155,904 | ..... |
| Total ... 1909 ... | 6,843,778 | 1,708,993 | 5,060,226 | 14,975 | 2,228,594 | 345,091 | 39,305,703 | 358,482 | 93 |
| Total ... 1908 ... | 5,843,309 | 2,743,385 | 1,301,249 | 23,565 | 1,389,226 | 42[illegible] | 46,208,008 | 245,909 | 35 |
| Total ... 1907 ... | 4,508,044 | 1,784,597 | 2,034,801 | 48,064 | 1,810,047 | [illegible],116 | 43,8[illegible] | 433,772 | 705 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Lac | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Opium, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 289,568 | 58,884,991 | 175 | 56,410 | 10,395 | ..... | 2,277 | 68,669 | ... | 20,247 | 634 |
| ,, river steamer ... | 37,869 | 65,905 | 4,033 | 48,347 | 247,703 | 964 | 21 | 1,355 | 181,8[illegible] | 6,216 | 13,617 |
| ,, rail: E. I. Railway | 97,441 | 215,180 | 145,492 | 2,345,532 | 1,682,357 | 98 | 1,635 | 10,590 | 1,034 | 25,387 | 5,022 |
| ,, rail: E. B. S. Railway (including B. C. Railway) | 1,645,395 | 1,119,617 | 9,254 | 135,248 | 143,405 | 2,790 | 38 | 34,784 | 172,955 | 160,008 | 24 |
| ,, rail: A.-B. Railway | 37,440 | 3,010 | ..... | ..... | 1,433 | ..... | ..... | ..... | 24,348 | ..... | ..... |
| ,, rail: B.-N. Railway | 2,041 | 39,415 | 68,204 | 56,538 | 6,915 | 4[illegible] | ..... | 489 | 582 | 7,068 | 681 |
| ,, rail: D.-S. Railway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15,535 | ..... | ..... |
| ,, rail: B.-P. Railway | ..... | 525 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ,, rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 929 | 13,510 | ..... | ... .. | ..... | ..... | ..... | 2 | ..... | 35 | 6 |
| ,, road ... ... ... | 22,791 | 620,255 | ..... | 2,420 | ..... | ..... | 128,530 | 29,480 | ..... | 12,415 | 5,615 |
| ,, sea ... ... ... | 45,932 | 63,050 | 2,371 | 87 | 1,411 | 6 | 19,064 | ..... | 2,327 | 4,782 | 434 |
| Total ... 1909 ... | 3,079,406 | 61,026,086 | 229,529 | 2,644,582 | 2,093,949 | 3,862[illegible] | 145,563 | 145,369 | 398,609 | 248,758 | 26,033 |
| Total ... 1908 ... | 4,273,814 | 48,129,376 | ..... | 1,974,703 | 1,434,998 | 4,881[illegible] | 172,621 | 181,051 | 411,610 | 240,487 | 18,376 |
| Total ... 1907 ... | 2,657,501 | 55,786,165 | ..... | 3,423,914 | 1,761,252 | 6,443 | 159,253 | 130,784 | 456,767 | 288,746 | 16,026 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the four months of April to July 1909*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosene oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom ... ... ... ... ... | 29,410 | ..... | 4,74,48,787 | ..... | ..... | 1,150,168 |
| Other countries ... ... ... ... ... | 6,831 | ..... | 5,44,807 | ..... | 613,866 | 3,330,356 |
| Total ... | 36,241 | ..... | 4,79,93,594 | ..... | 613,866 | 4,489,524 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal ... ... ... ... ... ... ... ... | ..... | 115 | ..... | ..... | ..... | ..... |
| Bombay ... ... ... ... ... ... ... ... | 226 | 48,457 | 22,663 | 30,67,397 | ..... | 309,654 |
| Sind and British Baluchistan ... ... ... ... | 38 | ..... | 525 | 2,949 | ..... | ..... |
| Madras ... ... ... ... ... ... ... ... | ..... | ..... | 1,441 | 1,50,920 | .... | ..... |
| Burma ... ... ... ... ... ... ... ... | ..... | 140 | 3,459 | 20,069 | 1,123,272 | ..... |
| Total ... | 264 | 48,742 | 28,088 | 32,41,335 | 1,123,272 | 309,654 |
| Total ... 1909 | 36,505 | 48,742 | 4,80,21,682 | 32,41,335 | 1,737,138 | 4,799,178 |
| Total ... 1908 | 45,361 | 48,775 | 4,31,90,449 | 42,73,736 | 1,727,010 | 4,705,923 |
| Total ... 1907 | 52,022 | 49,308 | 7,18,07,678 | 34,66,317 | 1,508,559 | 5,296,933 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the four months of April to July 190[illegible]*

| | Food-grains | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | Coal and coke | Cotton, raw | Indigo |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,430 | ... | 1,430 | ..... | 885 | 342 | ..... | 2,657 | 3,046 | 3 | ..... |
| Eastern Bengal and Assam | ..... | ..... | ..... | 4 | 3,548 | 827 | ..... | 4,379 | 383,671 | ..... | ..... |
| Bombay .. | 35,679 | ..... | 35,679 | ..... | ..... | ..... | 2,208 | 37,887 | 7,088,802 | ..... | 37 |
| Sind and British Baluchistan | 200 | ..... | 200 | ..... | ..... | ..... | ..... | 200 | 5,583,196 | ..... | ..... |
| Madras ... . | 30,886 | ..... | 30,886 | 3 | 16,336 | 100,1[illegible] | 819 | 148,209 | 3,576,838 | ..... | 146 |
| Burma ... .. | 12,040 | ..... | 12,040 | 10,597 | 82,501 | 133,08[illegible] | [illegible],254 | 251,472 | 3,678,320 | 35 | ..... |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pondichery ... | ..... | ..... | ..... | ..... | 1,073 | 828 | ..... | 1,901 | 214,919 | 7,268 | ..... |
| Goa ... .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 538,918 | ..... | ..... |
| Alleppey .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total .. | 80,235 | ..... | 80,235 | 10,604 | 104,343 | 235,242 | 16,281 | 446,705 | 21,068,610 | 7,306 | 183 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 196,642 | 4 | 196,644 | 2,555,615 | 1,123 | 346,875 | 69,234 | 3,169,[illegible] | 1,252 | 10,857 | 1,173 |
| Other countries | 1,634,447 | 45 | 1,634,475 | 593,931 | 53,483 | 342,887 | 17,957 | [illegible] | 5,170,990 | 126,412 | 1,829 |
| Total ... | 1,831,089 | 49 | 1,831,119 | 3,149,546 | 54,606 | 689,762 | 87,191 | [illegible],912,224 | 5,17[illegible] | 137,269 | 3,002 |
| Total ... 1909 ... | 1,911,324 | 49 | 1,911,354 | 3,160,150 | 158,949 | 925,004 | 103,4[illegible] | 6,258,929 | 26,24[illegible],852 | [illegible] | 3,185 |
| Total ... 1908 ... | 960,482 | 95,175 | 1,019,946 | 22,150 | 93,[illegible]20 | 274,378 | [illegible] | 1,439,420 | 30,275,191 | 8[illegible]086 | 3,8[illegible] |
| Total ... 1907 .. | 1,646,069 | 1 | 1,646,070 | 152,443 | 187,960 | 517,717 | 45,303 | 2,549,493 | 25,711,772 | 328,[illegible]68 | 2,466 |

| | Jute | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | N. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... . | ..... | 31,700 | ... | ..... | ..... | ..... | 1,778 | 14 | 4 | 3,073 | 43 |
| Eastern Bengal and Assam | ..... | 78,450 | 1 | ..... | ..... | ..... | 4,653 | 3,409 | 16 | 10 | 19 |
| Bombay .. . | ..... | 6,026,590 | ..... | ... | 24,288 | ..... | 2,017 | ..... | 5,557 | ..... | 362 |
| Sind and British Baluchistan | ..... | 3,422,850 | ..... | ..... | ..... | ..... | ..... | ..... | 226 | ..... | 623 |
| Madras ... ... | ..... | 1,985,200 | 27 | ... | 9,233 | ..... | 1,123 | 4,083 | 342 | 2 | 404 |
| Burma ... | 255 | 9,926,888 | 8 | 85 | ..... | 43 | 11,875 | 7,606 | 3,158 | 51,906 | 1,648 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... |
| Pondichery ... | ..... | 211,600 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | ..... | 9,500 | ..... | ..... | ..... | ..... | ... | ..... | ..... | ..... | 9 |
| Total ... | 255 | 21,692,778 | 36 | 85 | 33,521 | 43 | 21,446 | 15,112 | 9,336 | 54,991 | 3,108 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 400,733 | 12,977,710 | 46,189 | 1,553,856 | 59,687 | 882 | ..... | ..... | 196,857 | 46 | 32 |
| Other countries | 1,809,598 | 248,813,344 | 170,168 | 693,557 | 840,675 | 2,356 | 31 | ..... | 55,107 | 8,981 | 509 |
| Total ... | 2,210,331 | 261,791,054 | 216,357 | 2,247,413 | 900,3[illegible] | 3,238 | 31 | ..... | 251,964 | 9,027 | 541 |
| Total ... 1909 .. | 2,210,586 | 283,483,832 | 216,393 | 2,247,498 | 933,883 | 3,281 | 21,477 | 15,112 | 261,300 | 64,018 | 3,649 |
| Total ... 1908 | 3,974,502 | 239,317,528 | ..... | 1,450,066 | 561,646 | 3,870 | 13,539 | 5,708 | 278,646 | 59,227 | 2,242 |
| Total ... 1907 .. | 2,277,248 | 253,959,071 | ..... | 3,157,587 | 435,515 | 6,201 | 24,192 | 10,699 | 337,039 | 79,581 | 6,306 |

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the four months of April to July 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| **Bengal** | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| Burdwan | 672 | 3,822 | 7,91,776 | 83,524 | 262,071 | 10,981 | 45,093 | 120,467 |
| Birbhum | 558 | 4,980 | 5,53,868 | 55,582 | 162,855 | 121 | 18,231 | 80,935 |
| Bankura | 208 | 2,999 | 1,51,513 | 3,638 | 15,295 | 3 | ..... | 49,708 |
| Midnapore | 3,053 | 4,383 | 10,09,476 | 2,17,485 | 120,099 | 611 | 22,859 | 178,778 |
| Hooghly | 1,884 | 1,606 | 5,70,639 | 3,79,573 | 181,802 | 17,646 | 33,381 | 101,978 |
| 24-Parganas | 2,261 | 800 | 6,66,201 | 5,25,670 | 230,632 | 56,723 | 35,648 | 77,402 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 271,328 | ..... |
| Nadia | 2,890 | 7,702 | 13,71,956 | 2,15,072 | 405,051 | 7,043 | 58,076 | 121,880 |
| Murshidabad | 323 | 2,099 | 5,82,119 | 48,057 | 251,990 | 1,005 | 31,411 | 94,161 |
| Jessore | 222 | 3,[illegible]9 | 23,052 | 5,22,122 | 10,580 | 4,076 | 17,207 | 51,247 |
| Khulna | 110 | [illegible]61 | 64,115 | 4,60,951 | 42,805 | 11,779 | 3,512 | 38,578 |
| Total Bankal | 12,181 | [illegible]901 | 58,00,715 | 25,11,674 | 1,683,170 | 108,988 | 541,738 | 915,134 |
| **Bihar** | | | | | | | | |
| Patna | 1,722 | [illegible],462 | 8,33,720 | 10,879 | 572,390 | 2,632 | 69,019 | 148,228 |
| Gaya | 55 | [illegible],402 | 4,72,450 | 4,511 | 133,000 | 38 | 24,393 | 83,859 |
| Shahabad | 5[illegible] | [illegible],278 | 13,55,772 | 13,455 | 345,660 | 162 | 16,589 | 66,816 |
| Saran | 1[illegible] | 891 | 14,86,022 | 600 | 108,780 | 243 | 21,543 | 112,274 |
| Champaran | [illegible] | 630 | 13,01,125 | 30,164 | 150,570 | 497 | 21,043 | 118,800 |
| Muzaffarpur | [illegible]6 | 801 | 12,07,242 | 12,173 | 377,790 | 157 | 24,291 | 151,876 |
| Darbhanga | [illegible]59 | 3,947 | 11,67,371 | 1,511 | 83,370 | 156 | 35,077 | 159,505 |
| Monghyr | [illegible]69 | 4,003 | 8,45,082 | 21,891 | 279,160 | 546 | 32,809 | 126,149 |
| Bhagalpur | 197 | 2,612 | 9,92,103 | 5,607 | 216,650 | 97 | 34,628 | 124,846 |
| Purnea | 85 | 2,599 | 6,51,340 | 29,816 | 53,095 | 70 | 29,692 | 124,137 |
| Sonthal Parganas | 186 | 6,167 | 3,52,242 | 931 | 183,540 | 130 | 28,145 | 94,051 |
| Darjeeling | ..... | 878 | 1,94,768 | 42,902 | 30,345 | 867 | 9,073 | 32,172 |
| Cooch Behar | | 149 | 1,95,715 | 25,243 | 12,075 | 106 | 5,702 | 21,122 |
| Total Bihar | 2,939 | 31,819 | 1,10,54,938 | 1,09,743 | 2,546,425 | 5,701 | 352,874 | 1,364,715 |
| **Orissa** | | | | | | | | |
| Cuttack | [illegible]527 | 10,412 | 2,58,776 | 59,099 | 49,930 | 114 | ..... | 9,811 |
| Balasore | 1,[illegible] | 9,069 | 1,49,631 | 3,867 | 138,320 | 6 | 3,938 | 92,278 |
| Puri | [illegible] | 885 | 50,709 | 2,634 | 13,570 | 34 | ..... | 13 |
| Sambalpur | 92 | 81 | 75,957 | 840 | 53,970 | 3 | ..... | 5 |
| Mayurbhanj State | ..... | 253 | 22,[illegible] | ..... | 10,990 | 5 | ..... | 14,781 |
| Total Orissa | 2,894 | 20,700 | 5,57,185 | 66,440 | 266,630 | 162 | 3,938 | 116,888 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | ..... | 1,876 | 1,32,657 | 12,[illegible] | 3,430 | 301 | 4,963 | 47,111 |
| Ranchi | 8 | 733 | 1,31,587 | 3,915 | 9,030 | 50 | 1,360 | 56,078 |
| Palamau | 9 | 61 | 1,83,918 | 2,758 | 44,035 | 379 | 3,298 | 34,878 |
| Manbhum | 26 | 3,274 | 3,03,724 | 11,048 | 27,580 | 1,031 | 20,682 | 94,[illegible]7 |
| Singhbhum | 1 | 405 | 1,02,896 | 2,985 | 30,065 | 231 | 336 | 57,859 |
| Gangpur (Tributary State) | ..... | 28 | 23,064 | 101 | 5,005 | 23 | ..... | 663 |
| Total Chota Nagpur | 44 | 6,377 | 9,27,846 | 33,647 | 89,145 | 2,005 | 30,639 | 290,636 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 18,058 | 91,797 | 1,83,40,684 | 28,11,504 | 4,585,370 | 116,856 | 929,[illegible]9 | 2,687,373 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 30,449 | 25,719 | 1,20,48,886 | 25,58,569 | 871,930 | 56,7[illegible] | 579,206 | 1,524,054 |
| Burma | 2,590 | 15,842 | 1,50,554 | 83,833 | 9,926,888 | ..... | .. | 81 |
| U. P. of Agra and Oudh | 3,688 | 1,168 | 1,18,99,031 | 3,57,422 | 3,518,5[illegible] | 3,345 | 284,757 | 161,471 |
| Panjab | 2,132 | 663 | 27,82,307 | 1,13,908 | 3,301,500 | 2,793 | 12,922 | 126 |
| Sind and British Baluchistan | ..... | ..... | 483 | ..... | 3,439,265 | .... | ..... | ..... |
| Kashmir State | ..... | ..... | 1,437 | ..... | 35 | ..... | ..... | ..... |
| Central Provinces and Berar | 266 | 135 | 4,19,840 | 7,979 | 899,220 | 186 | 10,087 | 1,584 |
| Bombay | ..... | ..... | 29,397 | 7,003 | 6,682,735 | ..... | ..... | ..... |
| Madras‡ | 400 | 4,382 | 1,47,783 | 16,585 | 2,185,365 | 52 | 3 | 197 |
| Rajputana and Central India | 346 | 6 | 5,90,837 | 3,289 | 139,055 | 35 | 11,786 | ..... |
| Nizam's Territory | 130 | 24 | 75,568 | 423 | 67,270 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 298 | 205 | ..... | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 9,500 | ..... | ..... | ..... |
| Pondichery | ..... | ..... | ..... | ..... | 211,600 | ..... | ..... | ..... |
| Port Blair | 3 | 319 | 2,840 | 120 | 300 | ..... | 150 | ..... |
| Grand Total 1909 | 58,062 | 141,055 | 4,64,94,045 | 59,60,860 | 35,928,583 | 180,062 | 1,827,200 | 4,374,886 |
| Grand Total 1908 | 49,815 | 145,780 | 5,41,01,420 | 47,45,363 | 30,823,369 | 150,276 | 1,704,233 | 3,956,838 |
| Grand Total 1907 | 74,908 | 132,755 | 5,12,26,703 | 29,27,817 | 37,720,782 | 159,569 | 1,573,644 | 4,141,425 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

‡ The figures for Madras and other places served by the Maud S. M. Railway for July are incomplete, as the returns due from that Railway have not yet been received.

## No VI

*by which the Articles enumerated in Table No [illegible] were imported from the Calcutta Trade Block in the four months of April to July-1909*

| | [illegible] | | Cotton piece-goods | | [illegible] | Mustard oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | [illegible] | From Calcutta Block | From Budge-Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| ... ... ... ... | 2,436 | 1,097 | 5,13,100 | 5,56,700 | 171,739 | 69,173 | 71,645 | 465,829 |
| ... ... ... ... ... | 31,503 | 7,188 | 75,63,795 | 14,22,184 | 636,675 | 14,158 | 448,418 | 1,091,497 |
| E. I. Railway ... ... ... ... ... | 4,546 | 35,020 | 1,41,74,291 | 5,45,221 | 4,776,975 | 17,223 | 437,576 | 727,937 |
| E. B. & S. Railway (including B. C. Railway) | 4,361 | 28,794 | 8[illegible]06,595 | 16,96,608 | 1,201,340 | 11,924 | 550,372 | 839,770 |
| A.-B. Railway ... ... ... ... ... | 2,311 | 7,312 | 6[illegible]0,917 | 8,48,021 | 65,310 | 1,918 | 1,641 | 20,647 |
| B.-N. Railway ... ... ... ... ... | 2,770 | 31,001 | 20,[illegible],005 | 1,62,243 | 926,555 | 985 | 6,935 | 397,433 |
| B. and N.-W. Railway ... ... ... ... | 698 | 7 001 | 82,[illegible]11 | [illegible]47,446 | 1,690,325 | 1,483 | 178,560 | 748,106 |
| O. and R. Railway ... . ... | 373 | 84 | 21,[illegible]88 | 54,378 | 902,065 | 1,286 | 106,418 | 274 |
| Howrah-Amta and Howrah-Sheakhala Light Railways | 877 | . | 2,4[illegible]56 | ..... | 6,405 | 1,2[illegible] | ..... | 7,703 |
| Minor Railways ... ... ... ... ... | 1,062 | 178 | 14,53,928 | 53,375 | 3,782,275 | 3,463 | 15,922 | 873 |
| ,, road ... .. ... ... ... ... ... .. | 2,339 | 808 | 6,57,129 | 5,62,036 | 85,241 | 57,242 | 6,284 | 51,134 |
| ,, sea ... ... ... .. ... . ... ... | 3,583 | 22,5[illegible]2 | 2,09,830 | 92,748 | 21,692,773 | ..... | 4,029 | 23,083 |
| Total .. 1909 . | 58,062 | 141,055 | 4,64,94,045 | 50,60,860 | 35,928,883 | 180,062 | 1,827,200 | 4,374,886 |
| Total .. 1908 .. | 49,815 | 145,780 | 5,41,01,420 | 47,45,3[illegible] | [illegible],822,369 | 150,276 | 1,704,233 | 3,956,838 |
| Total .. 1907 .. | 74,908 | 132,755 | 5,12,26,703 | 2[illegible] | 37,726,782 | 159,569 | 1,573,644 | 4,141,425 |

* The value rates are fixed quarterly, and the monthly valuation is made at the [illegible]ue rates of the preceding quarter
† Including gunny cloth, 2 yards = 1 bag

F. NOR[illegible]-PATON,
*Director [illegible]ial Intelligence.*

*October 15, 1909.*

J. G. CUMMING,
*Secretary to the Government of Bengal.*

## EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of July 1909, as compared with the same month of the previous year.*

| No. | STAPLES. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | EXPLANATIONS OF FLUCTUATIONS BY TRAFFIC SUPERINTENDENTS. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 41 | 20 | 21 | ..... | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 64,867 | 60,665 | 4,202 | ..... | |
| 3 | Cotton— | | | | | |
| | (1) Raw ... ... ... ... ... ... | 173 | 261 | ..... | 88 | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European ... ... | 65 | 62 | 3 | ..... | |
| | (b) Ditto, Indian ... ... | 430 | 497 | ..... | 67 | |
| | (c) Piece-goods, European ... ... | 1,108 | 1,231 | ..... | 123 | |
| | (d) Ditto, Indian ... ... | 257 | 294 | ..... | 37 | |
| | (e) Others ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| 4 | Chemicals, excepting saltpetre ... ... | 64 | 144 | ..... | 80 | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium ... ... | ..... | 8 | ..... | 8 | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations ... ... | 10 | 6 | 4 | ..... | |
| | (b) Others ... ... ... ... ... | 37 | 60 | ..... | 23 | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes ... ... | ..... | ..... | ..... | ..... | |
| | (3) Cutch ... ... ... ... ... ... | 17 | 48 | ..... | 31 | |
| | (4) Indigo ... ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (5) Myrabolams ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Turmeric ... ... ... ... ... | 226 | 252 | ..... | 26 | |
| | (8) Others ... ... ... ... ... ... | 11 | 30 | ..... | 19 | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake ... ... ... ... ... ... | 1,335 | 1,171 | 164 | ..... | |
| | (2) Hay, straw and [illegible] ... ... ... | 1,941 | 1,543 | 398 | ..... | |
| 8 | Fruits and vegetables [illegible] ... ... ... | 1,025 | 492 | 533 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse ... ... | 5,243 | 3,990 | 1,253 | ..... | |
| | (2) Jawar and [illegible] ... ... ... | ..... | ..... | ..... | ..... | |
| | (3) Rice in the husk ... ... ... ... | 9,645 | 9,081 | 564 | ..... | |
| | (4) [illegible] in the husk ... ... | 17,315 | 9,981 | 7,334 | ..... | |
| | [illegible] ... ... ... ... ... | 442 | 285 | 157 | ..... | |
| | (6) [illegible] flour ... ... ... ... | 969 | 927 | 42 | ..... | |
| | (7) Others ... ... ... ... ... ... | 2,244 | 702 | 1,542 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) [illegible]ned ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Raw ... ... ... ... ... | 1,224 | [illegible] | ..... | 20 | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Raw ... ... ... ... ... | 108 | 96 | 12 | ..... | |
| 11 | Horns ... ... ... ... ... ... | 15 | 10 | 5 | ..... | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 343 | 265 | 78 | ..... | |
| 13 | Jute— | | | | | |
| | (1) Raw ... ... ... ... ... ... | 34,223 | 25,629 | 8,594 | ..... | |
| | (2) Gunny-bags and cloth ... ... ... | 1,361 | 1,119 | 242 | ..... | |
| 14 | Lac ... ... ... ... ... ... ... | 101 | 74 | 27 | ..... | |
| 15 | Leather— | | | | | |
| | (1) Unwrought ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Wrought, excepting boots and shoes ... | 2 | ..... | 2 | ..... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer ... ... ... ... ... | 31 | 35 | ..... | 4 | |
| | (2) Spirits of all kinds, including country spirit. | 183 | 65 | 118 | ..... | |
| | (3) Wine ... ... ... ... ... ... | | | | | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | ..... | ..... | ..... | ..... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought ... ... ... ... | 16 | 33 | ..... | 17 | |
| | (2) Do., manufactured ... ... ... | 200 | 214 | ..... | 14 | |
| | (3) Copper, unwrought ... ... ... ... | 5 | 2 | 3 | ..... | |
| | (4) Do., manufactured ... ... ... | 15 | 8 | 7 | ..... | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought ... ... ... ... | ..... | 51 | ..... | 51 | |
| | (b) Wrought ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 1,229 | 2,007 | ..... | 778 | |
| | (ii) Machinery and mill works ... | 215 | 766 | ..... | 551 | |
| | (iii) Other manufactured, including hardware and cutlery. | 972 | 908 | 64 | ..... | |
| | (6) Metallic ores ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Others ... ... ... ... ... ... | 2,101 | 811 | 1,290 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone ... ... ... ... | 2,135 | 1,642 | 493 | ..... | |
| | (2) Chalk ... ... ... ... ... ... | | | | | |
| | (3) Lime ... ... ... ... ... ... | 1,174 | 1,760 | ..... | 586 | |
| | (4) Others ... ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| 19 | Oils— | | | | | |
| | (1) Kerosine ... ... ... ... ... | 13,453 | 14,999 | ..... | 1,546 | |
| | (2) Castor ... ... ... ... ... | 8 | 16 | ..... | 8 | |
| | (3) Cocoanut ... ... ... ... ... | 131 | 179 | ..... | 48 | |
| | (4) Mustard and rape ... ... ... ... | 651 | 761 | ..... | 110 | |
| | (5) Others ... ... ... ... ... | 374 | 136 | 238 | ..... | |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

1909.

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July ... | 105,236 | 24,205 | 77,616 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | Week ended 7th Aug. ... | 18,475 | 4,030 | 11,795 | 407 | 13 | 5,350 | 241 | 1,406 | 3 9 3 |
| 22·21 | ,, ,, 14th ,, ... | 18,326 | 4,077 | 8,344 | 319 | 13 | 4,409 | 199 | 1,406 | 2 15 3 |
| 22·21 | ,, ,, 21st ,, ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,406 | 2 13 0 |
| 22·21 | ,, ,, 28th ,, ... | 17,599 | 3,348 | 8,694 | 357 | [illegible] | [illegible] | 167 | 1,406 | 2 7 9 |
| 22·21 | ,, ,, 4th Sept. ... | 16,886 | 5,270 | 6,613 | 231 | 14 | 5,515 | [illegible] | 1,406 | 3 11 9 |
| 22·21 | ,, ,, 11th ,, ... | 23,819 | 4,838 | 30,665 | 761 | 14 | 5,613 | 253 | 1,406 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,817 | 4,668 | 33,474 | 813 | 14 | 5,495 | 247 | 1,406 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,406 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. ... | 21,514 | 4,750 | 17,260 | 559 | 14 | 5,323 | 240 | 1,406 | 3 8 11 |
| | Totals up to date ... | 280,775 | 63,515 | 217,613 | 6,691 | 187 | 70,393 | 236 | 20,106 | 3 8 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,288 | 1,319 | 6,604 | 4 6 0 |
| 22·21 | One day of Aug. ... | 2,821 | 640 | 2,734 | 51 | 1 | 692 | 31 | 214 | 3 3 9 |
| 22·21 | Week ended 8th Aug. ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | ,, ,, 15th ,, ... | 23,856 | 5,690 | 14,492 | 314 | 16 | 5,930 | 267 | 1,452 | 4 1 4 |
| 22·21 | ,, ,, 22nd ,, ... | 16,105 | 3,729 | 6,249 | 269 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | ,, ,, 29th ,, ... | 17,754 | 3,824 | 9,780 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | ,, ,, 5th Sept. ... | 18,609 | 4,855 | 46,891 | 552 | 5 | 5,412 | 244 | 1,678 | 3 3 7 |
| 22·21 | ,, ,, 12th ,, ... | 21,717 | 4,616 | 41,750 | 477 | [illegible] | 5,101 | 230 | 1,523 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 163,289 | 1,114 | [illegible] | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,480 | 48,437 | 710 | [illegible] | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,965 | 602 | 5 | 6,941 | 313 | 1,494 | 4 10 4 |
| | Totals up to date ... | 307,554 | 70,996 | 484,944 | 6,776 | 90 | 77,862 | 238 | 20,735 | 3 12 1 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 2nd October 190[illegible] [illegible]·38 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 26,374 | 2[illegible],054 0 0 | 205,639 0 | 18,949 0 0 | 130 0 0 | 40,133 [illegible] | [illegible] | [illegible] | 13,380 |
| Or per mile of railway ... ... | ... | 129 10 10 | ... | 116 11 4 | 0 12 10 | 247 [illegible] | .. | | |
| For previous 12¾ weeks of half-year. | 359,305 | 2,85,612 0 0 | 1,980,219 0 | 1,47,673 0 0 | 1,519 0 0 | 4,34,004 0 0 | 126,100 | 36,634 | 162,731 |
| Total for 13¼ weeks .. | 385,679 | 3,05,866 0 0 | 2,[illegible] 0 | 1,66,622 0 0 | 1,649 0 0 | 4,74,137 0 0 | 136,207 | 39,904 | 176,111 |
| COMPARISON: | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 23,945 | 22,375 12 1 | 206,788 0 | 18,343 11 0 | 61 0 3 | 40,780 7 4 | 12,487 | 4,355 | 16,842 |
| Per mile of railway corresponding week of previous year .. | ... | 137 13 1 | ... | 112 15 8 | 0 6 0 | 251 2 9 | ... | ... | ... |
| Total for corresponding 13¼ weeks of previous year . | 368,104 | 2,78,384 5 11 | 2,928,612 10 | 2,01,645 10 5 | 569 7 9 | 4,80,599 8 1 | 159,319 | 59,824 | 219,143 |

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July ... | 131,940 | 1,03,184 | 722,057 | 51,085 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| 162·36 | Week ended 7th Aug. ... | 30,164 | 24,024 | 166,953 | 11,791 | 114 | 35,929 | 221 | 12,946 | 2 12 5 |
| 162·36 | ,, ,, 14th ,, ... | 30,222 | 24,153 | 150,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | ,, ,, 21st ,, ... | 24,763 | 22,010 | 171,359 | 13,297 | 114 | 35,421 | 218 | 13,279 | 2 10 8 |
| 162·36 | ,, ,, 28th ,, ... | 27,948 | 22,732 | 139,919 | 10,699 | 114 | 33,545 | 202 | 13,254 | 2 7 8 |
| 162·36 | ,, ,, 4th Sept. ... | 20,540 | 21,019 | 155,082 | 11,218 | 119 | 32,356 | 199 | 12,989 | 2 7 10 |
| 162·36 | ,, ,, 11th ,, ... | 32,553 | 28,813 | 169,808 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 8 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 134,563 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 20,512 | 17,402 | 170,107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. .. | 26,374 | 21,054 | 205,639 | 18,949 | 130 | 40,133 | 247 | 13,380 | 3 0 0 |
| | Totals up to date ... | 385,679 | 3,05,866 | 2,185,858 | 1,66,622 | 1,649 | 4,74,137 | 217 | 176,111 | 2 11 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,523 | 990,656 | 65,934 | 171 | 1,58,633 | 977 | 71,630 | 2 3 5 |
| 162·36 | 1 day of August ... | 3,876 | 2,872 | 32,666 | 2,237 | 4 | 5,113 | 31 | 2,321 | 2 3 3 |
| 162·36 | Week ended 8th ,, ... | 31,133 | 22,623 | 239,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | ,, ,, 15th ,, ... | 31,051 | 22,402 | 173,774 | 13,298 | 32 | 35,692 | 220 | 15,581 | 2 4 8 |
| 162·36 | ,, ,, 22nd ,, ... | 25,944 | 18,477 | 159,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | ,, ,, 29th ,, ... | 26,813 | 18,890 | 247,267 | 15,761 | 38 | 34,689 | 214 | 16,216 | 2 2 3 |
| 162·36 | ,, ,, 5th Sept. ... | 27,370 | 21,032 | 156,969 | 12,995 | 58 | 34,095 | 210 | 16,118 | 2 1 10 |
| 162·36 | ,, ,, 12th ,, ... | 22,701 | 19,223 | 194,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 236,042 | 15,183 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 239,810 | 16,250 | 73 | 33,746 | 208 | 16,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 23,045 | 22,376 | 263,788 | 18,344 | 61 | 40,781 | 251 | 16,842 | 2 6 9 |
| | Totals up to date ... | 368,104 | 2,78,385 | 2,923,512 | 2,01,646 | 569 | 4[illegible],600 | 218 | 219,143 | 2 3 1 |

* Audited figures.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 9th October 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. (b) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | [illegible] | 5 23,744 0 0 | 63,72,625 0 | 10,33,132 0 0 | 40,354 0 0 | 16,02,130 0 0 | 159,537 | 163,020 | 322,557 |
| Or per mile of railway ... | ..... | 230 10 0 | ..... | 450 10 1 | 17 8 11 | 698 13 0 | ..... | ..... | ..... |
| For previous 13½ weeks of half-year | 6,675,748 | 56,18,413 0 0 | 7,64,46,448 0 | 1,19,05,411 0 0 | 5,91,401 0 0 | 1,81,15,225 0 0 | 2,147,726 | 2,231,780 | 4,369,506 |
| Total for 14½ weeks ... | 7,196,135 | 61,47,157 0 0 | 8,27,19,073 0 | 1,29,38,543 0 0 | 6,31,655 0 0 | 1,97,17,355 0 0 | 2,307,263 | 2,384,800 | 4,692,063 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 459,959 | 4,04,360 4 2 | 64,88,920 10 | 9,61,622 5 3 | 35,456 11 7 | 14,01,439 5 0 | 164,297 | 194,115 | 358,412 |
| Per mile of railway corresponding week of previous year. | ..... | 176 6 4 | ..... | 419 7 9 | 15 7 6 | 611 5 7 | ..... | ..... | ..... |
| Total for corresponding 14½ weeks of previous year. | 7,331,093 | 62,41,915 11 7 | 10,35,46,619 30 | 1,51,23,706 0 10 | 6,21,275 12 0 | 2,19,86,897 8 5 | 2,346,343 | 3,128,715 | 5,475,058 |

(a) The increase is chiefly due to "*Pitripuksh Mela*" and Durga Pujah Holiday concession.
(b) The increase is chiefly in General Merchandise.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 2,292·65 | For the month of July ... | 2,235,290 | 18,66,432 | 2,57,85,647 | 41,98,948 | 1,78,263 | 62,44,643 | 2,723 | 1,463,513 | 4 4 3 |
| 2,292·37 | Week ended 7th Aug. ... | 491,544 | 4,37,830 | 50,76,285 | 7,81,643 | 47,157 | 12,66,630 | 553 | 307,786 | 4 1 11 |
| 2,292·37 | ,, ,, 14th ,, ... | 545,208 | 4,98,406 | 53,97,975 | 8,18,985 | 47,157 | 13,64,638 | 595 | 327,437 | 4 2 8 |
| 2,292·37 | ,, ,, 21st ,, ... | [illegible] | 5,98,881 | 52,28,932 | 7,81,964 | 47,157 | 12,27,902 | 535 | 318,498 | 3 13 8 |
| 2,292·37 | ,, ,, 28th ,, ... | [illegible] | 5,86,819 | 60,37,455 | 8,79,913 | 47,157 | 13,13,349 | 573 | 339,509 | 3 15 7 |
| 2,292·65 | ,, ,, 4th Sept. ... | [illegible] | 3,86,277 | 51,74,654 | 7,58,688 | 48,000 | 11,82,965 | 520 | 316,835 | 3 12 3 |
| 2,292·65 | ,, ,, 11th ,, ... | [illegible] | 3,49,830 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, ... | 473,012 | 3,71,938 | 59,92,173 | 9,19,116 | 48,000 | 13,39,054 | 584 | 331,014 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, ... | 491,468 | 4,03,084 | 56,15,649 | 9,04,241 | 40,254 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| 2,292·65 | ,, ,, [illegible] ... | 572,326 | 4,79,324 | 64,19,660 | 9,96,441 | 40,254 | 15,16,019 | 661 | 328,139 | 4 9 11 |
| 2,292·65 | ,, ,, [illegible] ... | 520,387 | 4,28,744 | 62,72,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| | Totals up to date ... | 7,196,135 | 61,47,157 | 8,27,19,073 | 1,29,38,543 | 6,31,655 | 1,97,17,355 | 596 | 4,692,063 | 4 3 3 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,512 | 19,51,778 | 3,12,67,198 | 46,57,033 | 1,80,144 | 67,81,855 | 2,962 | 1,687,563 | 4 0 5 |
| 2,292·38 | For 1 day of Aug. ... | 71,077 | 59,060 | 9,88,224 | 1,56,049 | 6,096 | 2,21,207 | 96 | 54,412 | 4 1 1 |
| 2,292·38 | Week ended 8th ,, ... | 507,181 | 4,48,391 | 67,89,405 | 10,53,817 | 45,693 | 15,47,901 | 675 | 376,096 | 4 1 10 |
| 2,292·38 | ,, ,, 15th ,, ... | 549,096 | 4,35,571 | 69,46,850 | 9,22,335 | 41,222 | 14,69,128 | 641 | 378,559 | 3 14 1 |
| 2,292·38 | ,, ,, 22nd ,, ... | 463,462 | 3,89,039 | 84,46,451 | 10,49,897 | 41,727 | 15,80,654 | 646 | 374,683 | 3 15 2 |
| 2,292·38 | ,, ,, 29th ,, ... | 444,837 | 3,61,500 | 75,95,936 | 10,80,206 | 45,859 | 14,87,565 | 614 | 382,512 | 3 14 3 |
| 2,292·38 | ,, ,, 5th Sept. ... | 455,189 | 3,84,177 | 77,98,151 | 11,07,784 | 52,367 | 15,34,328 | 669 | 380,529 | 4 0 8 |
| 2,292·38 | ,, ,, 12th ,, ... | 550,581 | 4,24,069 | 69,17,122 | 9,99,044 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, ... | 486,167 | 4,36,099 | 69,90,093 | 10,12,368 | 50,954 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 68,54,953 | 10,47,923 | 46,688 | 15,65,989 | 684 | 374,346 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,73,902 | 65,84,018 | 10,04,708 | 46,015 | 15,24,625 | 663 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,953 | 4,04,361 | 64,88,920 | 9,61,622 | 35,457 | 14,[illegible]40 | 611 | 358,412 | 3 14 7 |
| | Totals up to date ... | 7,331,093 | 62,41,916 | 10,35,46,620 | 1,51,23,706 | 6,21,[illegible] | 2,19,86,898 | 658 | 5,475,058 | 4 0 3 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 9th October 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 23,434 | 6,261 0 0 | 18,554 0 | 699 0 0 | 14 0 0 | 6,974 0 0 | 1,387 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 281 14 5 | ... | 31 7 7 | 0 10 1 | 314 0 1 | ... | ... | ... |
| For previous 13½ weeks of half-year | 280,775 | 69,515 0 0 | 2,17,613 0 | 6,691 0 0 | 187 0 0 | 76,393 0 0 | 17,966 | 2,140 | 20,106 |
| Total for 14½ weeks ... | 304,209 | 69,776 0 0 | 2,36,167 0 | 7,390 0 0 | 201 0 0 | 77,367 0 0 | 19,353 | 2,299 | 21,652 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 23,199 | 5,129 9 4 | 1,19,205 20 | 1,111 8 0 | 12 11 0 | 6,253 12 4 | 1,338 | 160 | 1,498 |
| Per mile of railway corresponding week of previous year ... ... | ... | 230 15 4 | ... | 50 0 8 | 0 9 2 | 281 9 2 | ... | ... | ... |
| Total for corresponding 14½ weeks of previous year ... ... ... | 330,753 | 76,125 13 10 | 6,04,149 20 | 7,887 10 0 | 102 6 0 | 84,115 13 10 | 19,853 | 2,381 | 22,[illegible] |

## TARKESSUR BRANCH RAILWAY—*concluded.*

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs.* | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | Month of July ... | 105,236 | 24,205 | 77,616 | 2,298 | [illegible] | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | Week ended 7th August... | 18,475 | 4,930 | 11,795 | 407 | 13 | 5,350 | 241 | 1,496 | 3 9 3 |
| 22·21 | ,, ,, 14th ,, ... | 18,326 | 4,077 | 8,844 | 319 | 13 | 4,409 | 199 | 1,496 | 2 15 2 |
| 22·21 | ,, ,, 21st ,, ... | 17,975 | 3,652 | 12,780 | 541 | 13 | 4,206 | 189 | 1,496 | 2 12 0 |
| 22·21 | ,, ,, 28th ,, ... | 17,599 | 3,348 | 9,694 | 357 | 13 | [illegible] | 167 | 1,496 | 2 7 9 |
| 22·21 | ,, ,, 4th Sept. ... | 16,886 | 5,270 | 6,613 | 231 | 14 | 5,513 | 248 | 1,496 | 3 11 0 |
| 22·21 | ,, ,, 11th ,, ... | 22,819 | 4,888 | 30,665 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,817 | 4,668 | 33,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. ... | 21,614 | 4,750 | 17,260 | 559 | 14 | 5,323 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| | Totals up to date .. | 304,209 | 69,776 | 2,36,167 | 7,390 | 201 | 77,367 | 241 | 21,602 | 3 9 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded. 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,288 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | One day of August ... | 2,891 | 640 | 2,724 | 51 | 1 | 692 | 31 | 214 | 3 3 9 |
| 22·21 | Week ended 5th ,, ... | 21,596 | 5,738 | 54,749 | 316 | 4 | 6,058 | 273 | 1,496 | 4 0 10 |
| 22·21 | ,, ,, 15th ,, ... | 23,856 | 5,090 | 14,493 | 314 | 16 | 5,030 | 267 | 1,452 | 4 1 4 |
| 22·21 | ,, ,, 22nd ,, ... | 16,105 | 2,729 | 6,289 | 219 | 9 | 4,007 | 180 | 1,494 | 2 10 11 |
| 22·21 | ,, ,, 29th ,, ... | 17,754 | 3,824 | 9,790 | 278 | 4 | 4,106 | 185 | 1,701 | 2 6 7 |
| 22·21 | ,, ,, 5th Sept. ... | 19,609 | 4,855 | 46,891 | 552 | 5 | 5,412 | 244 | 1,678 | 3 3 7 |
| 22·21 | ,, ,, 12th ,, ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,523 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 1,43,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,490 | 43,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,965 | 602 | 5 | 6,941 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, 10th ,, ... | 23,199 | 5,130 | 1,19,206 | 1,111 | 13 | 6,254 | 281 | 1,493 | 4 2 10 |
| | Totals up to date ... | 330,753 | 76,126 | 6,04,150 | 7,887 | 130 | 84,116 | 260 | 23,233 | 3 12 6 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 9th October 1909 [illegible] 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Ordinary. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 26,633 | 22,838 0 0 | 2,01,088 0 | 19,244 0 0 | 130 0 0 | 42,212 0 0 | 10,[illegible] | [illegible] | 13,816 |
| Or per mile of railway ... ... | ..... | 140 10 7 | ..... | 118 8 5 | 0 12 10 | 259 15 10 | ..... | ..... | ..... |
| For previous 13½ weeks of half-year | 385,679 | 3,05,866 0 0 | 21,85[illegible] 0 | 1,66,622 0 0 | 1,649 0 0 | 4,74,137 0 0 | 136,207 | 39,904 | 176,111 |
| Total for 14½ weeks ... | 412,312 | 3,28,704 0 0 | 23,86,946 0 | 1,85,866 0 0 | 1,779 0 0 | 5,16,349 0 0 | 146,425 | 43,502 | 189,927 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 23,808 | 18,736 3 2 | 3,16,004 10 | 23,775 5 0 | 64 9 6 | 42,576 1 8 | 12,450 | 3,965 | 16,415 |
| Per mile of railway corresponding week of previous year. | ..... | 115 6 5 | ..... | 146 7 0 | 0 6 4 | 262 3 9 | ..... | ..... | ..... |
| Total for corresponding 14½ weeks of previous year. | 392,002 | 2,97,120 9 1 | 32,44,516 20 | 2,25,420 15 5 | 634 1 3 | 5,23,175 9 9 | 171,769 | 63,789 | 235,558 |

1909 *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July . | 131,940 | 1,03,184 | 7,22,057 | 51,095 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| 162·36 | Week ended 7th Aug. ... | 31,164 | 24,024 | 1,46,953 | 11,791 | 114 | 35,929 | 221 | 13,946 | 2 12 5 |
| 162·36 | ,, ,, 14th ,, ... | 30,224 | 24,153 | 1,50,371 | 11,484 | 114 | 35,751 | 220 | 13,288 | 2 11 1 |
| 162·36 | ,, ,, 21st ,, ... | 28,763 | 22,010 | 1,71,353 | 13,297 | 114 | 35,431 | 218 | 13,279 | 2 10 8 |
| 162·36 | ,, ,, 28th ,, ... | 27,948 | 22,032 | 1,39,910 | 10,693 | 414 | 32,843 | 202 | 13,254 | 2 7 8 |
| 162·36 | ,, ,, 4th Sept. | 26,640 | 21,019 | 1,85,082 | 14,218 | 119 | 35,356 | 199 | 13,989 | 2 7 10 |
| 162·36 | ,, ,, 11th ,, .. | 32,553 | 28,813 | 1,69,808 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,669 | 22,115 | 1,34,553 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 23,512 | 17,462 | 1,70,107 | 13,583 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct.... | 26,374 | 21,054 | 2,05,639 | 18,949 | 130 | 40,133 | 247 | 13,380 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 22,838 | 2,01,088 | 19,244 | 130 | 42,212 | 260 | 13,816 | 3 0 11 |
| | Totals up to date ... | 412,312 | 3,28,704 | 23,86,946 | 1,85,866 | 1,779 | 5,16,349 | 230 | 189,927 | 2 11 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 9,90,656 | 63,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | 1 day of August ... | 5,876 | 2,872 | 32,096 | 2,237 | 4 | 5,113 | 31 | 2,231 | 2 3 3 |
| 162·36 | Week ended 8th ,, ... | 31,188 | 22,633 | 2,30,471 | 17,154 | 30 | 39,807 | 245 | 16,784 | 2 5 11 |
| 162·36 | ,, ,, 15th ,, ... | 31,051 | 23,402 | 1,78,774 | 15,198 | 32 | 38,692 | 230 | 15,861 | 2 4 8 |
| 162·36 | ,, ,, 22nd ,, ... | 25,044 | 18,477 | 1,59,312 | 12,247 | 43 | 30,767 | 190 | 15,343 | 2 0 1 |
| 162·36 | ,, ,, 29th ,, ... | 20,843 | 18,890 | 2,47,267 | 15,761 | 38 | 34,689 | 216 | 16,318 | 2 3 3 |
| 162·36 | ,, ,, 5th Sept. ... | 27,370 | 21,632 | 1,56,969 | 12,405 | 58 | 34,095 | 210 | 16,118 | 2 1 10 |
| 162·36 | ,, ,, 12th ,, ... | 22,701 | 19,222 | 1,94,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,890 | 2,38,042 | 15,188 | 80 | 33,098 | 204 | 16,485 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 2,39,810 | 16,259 | 78 | 33,746 | 206 | 15,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 23,945 | 22,376 | 2,66,788 | 18,344 | 61 | 40,781 | 251 | 16,542 | 2 6 9 |
| 162·36 | ,, ,, 10th ,, ... | 23,898 | 18,736 | 3,16,004 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| | Totals up to date ... | 392,002 | 2,97,121 | 32,44,516 | 2,25,421 | 634 | 5,23,176 | 231 | 235,558 | 2 3 6 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 2nd October 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 60,000 | 38,000 0 0 | 358,000 0 | 65,500 0 0 | 5,500 0 0 | 1,09,000 0 0 | 13,655 | 22,675 | 36,330 |
| Or per mile of railway ... | 78·13 | 49·48 | 466·33 | 84 95 | 7·13 | 141 56 | 17 78 | 29·41 | 47.19 |
| For previous 13 weeks of half-year* ... ... ... ... | 657,585 | 4,11,412 0 0 | 3,897,435 0 | 6,28,793 0 0 | 60,233 0 0 | 11,00,438 0 0 | 173,737 | 257,990 | 431,727 |
| Total for 14 Weeks ... | 717,585 | 4,49,412 0 0 | 4,255,435 0 | 6,94,293 0 0 | 65,733 0 0 | 12,09,438 0 0 | 187,392 | 280,665 | 468,057 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 58,022 | 35,518 0 0 | 350,995 0 | 60,330 0 0 | 7,222 0 0 | 1,03,070 0 0 | 13,416 | 20,507 | 33,923 |
| Per mile of railway corresponding week of previous year ... | 75·55 | 46·25 | 4[illegible]·16 | 78·25 | 9 37 | 133·87 | 17·47 | 26·60 | 44 07 |
| Total to corresponding date of previous year ... ... ... | 690,705 | 4,11,027 0 0 | 3,96[illegible],509 0 | 6,56,147 0 0 | 70,812 0 0 | 11,37,986 0 0 | 210,037 | 271,182 | 481,219 |

*Includes audited figures up to 31st July 1909.

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 3rd October 1909. | | | Receipts for week ending 3rd October 1908. | | | Total receipts from 1st April 1909 to 3rd October 1909. | | | Total receipts from 1st April 1908 to 3rd October 1908. | | | Total increase in 1909 | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | [illegible] | 141·56 | 771 | 1,03,070 | 133 87 | 771 | 23,53,403 | ... | 771 | 22,40,006 | ... | 1,13,397 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY

*Approximate Return of Traffic for week ending 2nd October 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. | Rs. | | (c) | |
| Total traffic for the week on 1,867 miles open ... .. ... | 310,790 | 1,07,030 | 703,050 | 88,470 | 14,640 | 2,10,140 | 58,390 | 30,309 | 88,699 |
| Or per mile of railway ... ... | 166·46 | 57·33 | 377·05 | 47·38 | 7·84 | 112·55 | ..... | ..... | ..... |
| For previous 12½ weeks of half-year (d) ... .. ... | 3,999,705 | 14,18,053 | 9,813,992 | 11,25,524 | 2,21,868 | 27,65,445 | 710,450 | 437,106 | 1,147,556 |
| Total for 13½ weeks ... | 4,310,555 | 15,25,083 | 10,517,042 | 12,13,994 | 2,36,508 | 29,75,585 | 768,840 | 467,415 | 1,236,255 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 331,008 | 1,05,554 | 650,413 | 81,689 | 15,387 | 2,02,630 | 60,909 | (e) 35,634 | 96,443 |
| Per mile of corresponding week of previous year ... ... ... | 184·82 | 58 94 | 363·16 | 45·61 | 8·59 | 113·14 | | | ..... |
| Total to corresponding date of previous year ... ... | 4,360,358 | 16,53,102 | 11,814,892 | 13,11,861 | 3,01,674 | 32,66,137 | 811,494 | 518 626 | 1,330,120 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 1·83 | | 2·92 | ·17 | 2·37 | | | |
| Ditto for corresponding week of previous year ... ... | | 1·74 | | 2·29 | ·16 | 2·10 | | | |

(a) Small increase in amount with reduced numbers is due to short lead traffic last year.
(b) Increase mainly under foreign outward.
(c) Includes 6,394 miles of ballast trains.
(d) Ditto audited figures for the month of July 1909.
(e) Ditto 6,858 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 9th October 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P | Rs. A. P. (f) (d) | | | |
| Total traffic for the week ... | 609,730 | 1,80,170 0 0 | 2,317,790 0 | 4,12,960 0 0 | 36,590 0 0 | 6,29,720 0 0 | 77,068 | (d)69,018 | 146,086 |
| Or per mile of railway ... ... | (a)453 | (a)134 0 0 | 1,548 0 | 276 0 0 | (c)9 0 0 | (c)405 0 0 | ... | ... | ... |
| For previous 14 weeks of half-year (e) ... ... ... .. | 5,983,926 | 22,78 691 0 0 | 29,490,031 0 | 47,19,504 0 0 | 4,42,812 0 0 | 74,41,007 0 0 | 1,032,884 | 796,530 | 1,829,414 |
| Total for 15 weeks ... | 6,593,656 | 24,58,861 0 0 | 31,807,821 0 | 51,32,464 0 0 | 4,79,402 0 0 | 80,70,727 0 0 | 11,909,952 | 865,548 | 1,975,500 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 590,694 | 1,64,138 0 0 | 1,693,798 0 | 3,61,186 0 0 | 31,567 0 0 | 5,46,891 0 0 | 75,155 | 54,438 | 129,593 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)481 | (b)134 0 0 | 1,330 0 | 283 0 0 | 1 0 0 | 413 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 6 899,213 | 20,06,652 0 0 | 31,371,613 0 | 46,16,634 0 0 | 4[illegible]5,675 0 0 | 76,88,961 0 0 | 1,089,759 | 787,334 | 1,877,123 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 2[illegible]600.
(d) Includes adjustments for ballast trains, Loco. coal, Revenue stores, etc.
(e) Audited up to July 1909.
(f) Increase is due to general development of traffic under coaching and goods.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 9th October 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 45,730 | 12,460 0 0 | 103,810 0 | (a)8,530 0 0 | 270 0 0 | 21,260 0 0 | 5,758 | (a)2,481 | 8,239 |
| Or per mile of railway per week | 532 | 145 0 0 | 1,207 0 | 99 0 0 | 3 0 0 | 247 0 0 | ... | ... | ... |
| For previous 14 weeks of half-year (b) ... ... .. ... | 563,290 | 1,52,252 0 0 | 1,051,698 0 | 68,431 0 0 | 2,571 0 0 | [illegible] | [illegible] | 22,940 | 95,728 |
| Total for 15 weeks ... | 609,020 | 1,64,712 0 0 | 1,155,508 0 | 76,961 0 0 | 2,841 0 0 | 2,44,514 0 0 | 78,546 | 25,421 | [illegible] |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 42,081 | 10,719 0 0 | 76,171 0 | 6,698 0 0 | 55 0 0 | 17,472 0 0 | 5,656 | 1,430 | 7,086 |
| Per mile of railway corresponding week of previous year ... | 489 | 124 0 0 | 886 0 | 78 0 0 | 1 0 0 | 203 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 702,636 | 1,89,187 0 0 | 1,232,067 0 | 84,237 0 0 | 3,667 0 0 | 2,77,091 0 0 | 82,456 | 23,745 | 106,231 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 9th October 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs A. P. | | | |
| Total traffic for the week ... | 3,980 | 1,470 0 0 | 19,950 0 | 1,650 0 0 | 10 0 0 | 3,110 0 0 | 570 | (a)2,291 | 2,861 |
| Or per mile of railway ... ... | 118 | 44 0 0 | 594 0 | 49 0 0 | ..... | 93 0 0 | ... | ... | ... |
| For previous 14 weeks of half-year (b) ... ... ... ... | 46,184 | 17,485 0 0 | 259,151 0 | 20,943 0 0 | 234 0 0 | 38,663 0 0 | 6,516 | 25,353 | 31,869 |
| Total for 15 weeks .. | 50,164 | 18,955 0 0 | 279,101 0 | 22,573 0 0 | 244 0 0 | 41,773 0 0 | 7,086 | 27,644 | 34,730 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,647 | 1,280 0 0 | 13,619 0 | 1,412 0 0 | 5 0 0 | 2,697 0 0 | 560 | 700 | 1,260 |
| Per mile of railway corresponding week of previous year ... | 109 | 38 0 0 | 405 0 | 42 0 0 | ..... | 80 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 54 360 | 20,890 0 0 | 320,796 0 | 27,351 0 0 | 163 0 0 | 48,404 0 0 | 6,811 | 24,601 | 31,412 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 9th October 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 10,720 | 3,090 [illegible] | 104,300 0 | 5,130 0 0 | 40 0 0 | 8,260 0 0 | 1,540 | (a) 1,052 | 2,592 |
| Or per mile of railway ... | 199 | [illegible] 0 0 | 1,931 0 | 95 0 0 | 1 0 0 | 153 0 0 | .. | ... | |
| For previous 14 weeks of half-year (b) ... ... ... ... | 162,615 | 46,484 0 0 | 686,964 0 | 39,764 0 0 | 355 0 0 | 86,603 0 0 | 24,090 | 8,011 | 32,101 |
| Total for 15 weeks ... | 173,335 | 49,574 0 0 | 791,264 0 | 44,894 0 0 | 395 0 0 | 94,863 0 0 | 25,630 | 9,063 | 34,693 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 10,097 | 3,185 0 0 | 92,815 0 | 4,333 0 0 | 37 0 0 | 7,555 0 0 | 1,922 | 1,036 | 3,030 |
| Per mile of railway corresponding week of previous year ... | 187 | 59 0 0 | 1,719 0 | 80 0 0 | 1 0 0 | 140 0 0 | .. | .. | .. |
| Total to corresponding date of previous year ... ... ... | 198,378 | 59,102 0 0 | 1,768,617 0 | 43,911 0 0 | 500 0 0 | 1,03,513 0 0 | 28,955 | 10,136 | 39,091 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 9th October 1909 ... | Coaching ... | 9,564 0 0 | 21,066 0 0 |
| | Goods ... | 11,408 0 0 | |
| | Other earnings ... | 94 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 12,619 0 0 | 21,763 0 0 |
| | Goods ... | 9,043 0 0 | |
| | Other earnings ... | 101 0 0 | |
| | Decrease ... | | 697 0 0 |
| Receipts per mile for the week ending 9th October 1909 ... ... ... ... | | | 413 0 11 |
| Ditto for the corresponding period of 1908 ... ... .. ... | | | 426 11 7 |
| | Decrease ... | | 13 10 8 |
| Receipts from 1st July to 9th October 1909 ... ... ... — ... | | | 2,50,665 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... ... | | | 2,50,719 0 0 |
| | Decrease ... | | 54 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat Writers' Buildings, in the City of Calcutta, on 20th October 1909.

REGISTERED No. C 209.]

No. 43 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, OCTOBER 27, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Reports on Inland Emigration under the Assam Labour and Emigration Act, 1901, for the year ending the 30th June 1909 ... ... | 1639—1641 |
| The preliminary forecast of the late variety of [illegible] of Bengal for the year ... ... ... ... ... ... ... ... | 1642—1649 |
| Weather and Crop Report for the week ending the 25th October 1909 ... ... ... ... ... ... | 1650—1655 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd October 1909 ... ... ... ... ... ... ... ... | 1656 |
| Railway Returns ... ... ... ... ... ... | 1657—1661 |

## RESOLUTION ON THE REPORTS ON INLAND EMIGRATION UNDER THE ASSAM LABOUR AND EMIGRATION ACT, 1901, FOR THE YEAR ENDING THE 30TH JUNE 1909.

GENERAL DEPARTMENT—EMIGRATION.

*Darjeeling, the 12th October 1909.*

RESOLUTION—No. 2213T.—G.

READ—

The Reports on Inland Emigration under the Assam Labour and Emigration Act, 1901 (VI of 1901), for the year ending the 30th June 1909, submitted by the Superintendents of Emigration, Calcutta, the Sonthal Parganas, Hazaribagh, Ranchi, Palamau, Manbhum and Singhbhum, and Sambalpur.

Read also—

The remarks of the Commissioners of the Bhagalpur, Orissa and Chota Nagpur Divisions on the reports submitted by the Superintendents of Emigration in their respective Divisions.

During the year under review Government has maintained the policy of encouraging genuine free recruitment through *bonâ fide* garden sardars working under Associations of recognised standing and probity. In the previous year certain concessions were granted to the Tea Districts Labour Supply Association, by which garden sardars, working under the control of the local agents of the Associations, were authorised to forward unindentured emigrants without producing them before a registering officer. To check any possibility of abuse local agents of the Association were required to submit monthly complete lists of emigrants forwarded by them, and Magistrates and Police Officers above the rank

of Sub-Inspectors were empowered to inspect the local agents' registers at any time. These concessions have now been extended to the Assam Labour Association and the Longai Valley Employers' Recruiting Association. In extending the concessions, Commissioners of Divisions were requested to instruct local officers to license local agents nominated by the Associati-, unless something was definitely known to their discredit, and to refuse to license as a local agent any person who was reasonably suspected to have any personal interest in, or connection with, other contractors, or recruiters, licensed or otherwise. They were also directed to cancel without hesitation the license of any local agent who might be guilty of a serious breach of the law or rules, particularly if he was found to have any dealings with recruiters other than the garden sardars of his Association.

2. During the year, the Inland Emigration Act (Act VI of 1901) was amended by the passing of Act XI of 1908. This measure was the outcome of a desire expressed by the Government of Eastern Bengal and Assam to withdraw certain provisions of Act VI of 1901 relating to labour districts from the districts of Cachar, Sylhet, Kamrup and Goalpara, so that contracts should no longer be taken from emigrants proceeding to these districts. It was at the same time desired to facilitate the experiment of free recruitment by garden sardars. Accordingly section 91 of Act VI of 1901 has been so amended by Act XI of 1908, that local Governments may dispense with, or relax, by notification, any of the provisions of Chapters III and IV of Act VI of 1901, subject to any conditions which may be prescribed in the notification. The labour provisions of the Inland Emigration Act were withdrawn from the Surma Valley districts and the districts of Kamrup and Goalpara with effect from the 1st November 1908, and two notifications were issued by this Government under the revised section 91, in which it was declared that in the case of emigrants recruited for these districts by licensed contractors and by garden sardars not accredited to the local agent of an approved Association, the provisions of the Act which prescribe the execution of agreements should no longer be enforced, but that in other respects the procedure laid down in Chapters III and IV of the Act should continue to be followed. The Estate of Porahat in the district of Singhbhum was closed to recruitment by contractors during the year, and the question of further restricting the areas in which recruitment by contractors is permitted is at present engaging the attention of Government.

3. During the year ending the 30th June 1908, the number of emigrants of all classes recruited in Bengal, Madras, the Central Provinces and the United Provinces, who embarked at Goalundo was 31,587, as against 24,503 in the previous year. This was the largest number on record since 1897, and the striking increase was attributed to the scarcity and high prices of food-stuffs prevailing in recruiting districts. In the year ending the 30th June 1909, the number of emigrants who embarked at Goalundo fell to 56,79[illegible]. This decrease is due partly to the more prosperous character of the year and partly to a reduction in the demand consequent on the unusually large number of emigrants despatched in the previous year.

4. The total number of emigrants registered under Chapters III and IV of the Act in this Province was 8,048 and 3,183 respectively, compared with 8,748 and 6,825 respectively in the year 1907-1908. Of these, 733 emigrants recruited by the licensed recruiters, and 893 emigrants engaged by garden sardars, were forwarded without being placed on contract. Three hundred emigrants, as against 1,865 in the previous year, were recruited by garden sardars holding special permits under section 90, while 25,774 unindentured emigrants were engaged by garden sardars working under the control of approved Associations, as against 21,415 emigrants in the year 1907-1908. The work of the local agents of these Associations is reported to have been generally satisfactory, and no Superintendent of Emigration had occasion to cancel any local agent's license.

5. The number of licenses issued to contractors and recruiters during the year fell to 22 and 294 respectively from 24 and 340 in the preceding year. The total number of garden sardars employed in this province was 9,112, or 2,102 more than in the year 1907-1908. Of these 795 worked under the ordinary procedure of Chapter IV, 112 held special permits under section 90,

and the remaining 8,2[illegible]5 (as compared with 5,054 in the previous year) worked under the control of approved Associations. The increase in the number of sardars accredited to the local agents of the Associations deserves remark, as it indicates that employers in Assam are gradually realising the fact that the interests of the tea industry will be best served by free labour and genuine free recruitment by garden sardars.

6. The report show that depôts and places of accommodation for emigrants were properly inspected and maintained in good sanitary condition.

7. Several cases of misdescription of emigrants by gardon sardars were reported during the year, and the offenders were suitably punished. There was a marked increase in the number of cases of illegal recruitment instituted in the Sonthal Parganas during the year. The Deputy Commissioner attributes this to the fact that though the district has been closed to recruitment, a large number of recruiters still find it worthwhile to entice persons from that district to contractors' depôts at Asansol, Raniganj and other places. He considers that the only remedy is to close these depôts. The Deputy Commissioner of Sambalpur also reports that illicit practices still go on, and that this is likely to continue so long as recruitment under Chapter III is permitted in the Presidency and Burdwan Divisions. Government recognises that the closing of these divisions to recruitment by contractors is an ideal which should be kept in view, but that some time must elapse before it can be completely attained.

8. There was a falling off in the receipts and an increase in the charges of the Inland Labour Transport Fund during the year under review. They were Rs. 13,[illegible] and Rs. 23,420 respectively, as against Rs. 16,918 and Rs. 20,872 in the previous year. The decrease in the receipts was due to the falling off in the number of Emigrants registered and of licenses issued to Contractors and Recruiters.

By order of the Lieutenant-Governor of Bengal,

J. G. CUMMING,

*Secy. to the Govt. of Bengal.*

## THE PRELIMINARY FORECAST OF THE LATE VARIETY OF THE SESAMUM *(TIL)* CROP OF BENGAL FOR THE YEAR 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 25th October 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

PRELIMINARY FORECAST OF THE LATE VARIETY OF THE SESAMUM (*til*) CROP OF BENGAL FOR THE YEAR 1909.

(On an average of the five years ending 1907-08, the area under *til* in the territory to which this forecast relates has represented [illegible] per cent. of the total area under this crop in British India.)

*Explanatory.*—This first forecast deals with the preliminary estimates of the area and outturn of the late variety of the crop.

*Character of the season.*—*Til* is very largely cultivated in Sambalpur, where it covers more than 50 per cent. of the total area under its cultivation in this Province. In this district the season has been favourable up to the present, and prospects are reported to be good. The less important growing districts of this oilseed are Palamau, Midnapore, Singhbhum, Bhagalpur and Khulna. In these districts, as well as in the remaining districts of this Province, where *til* is grown, the weather has been seasonable on the whole and the general condition of the crop is good, although some damage has been done by excessive rain and floods towards the end of August in parts of Lower Bengal. The dates of sowing were generally normal.

*Area sown.*—The total area cultivated up to now this year is estimated at 158,500 acres, against 147,000 acres shown in the report for the last year. The total normal area under the crop is given as 222,500 acres.

*Outturn.*—The estimates returned by District Officers point to a provincial crop 95 per cent. of the normal. Last year's crop for the Province was estimated at 73 per cent.

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

CALCUTTA,
*The 14th October 1909.*

*Preliminary forecast of the late variety of the Sesamum (Til) crop of Bengal for 1909.*

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented last year (1908-09). | Taking 100 to represent the normal outturn, how will represent this year's outturn (1909-10). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Burdwan ... | 1,731,990 | 1,284,200 | September | 500 | 700 | 600 | 93 | 90 | 85,226 | 1889-92 and 1903-04 to 1907-08. | 113 | Not yet begun. | Heavy rain towards the end of August did some damage to the crop in the Sadar subdivision. In the Asansole subdivision, the state of the crop is reported to be good. The date of sowing has not been furnished by the Subdivisional Officer of Asansole. It was normal in the Sadar subdivision. |
| Birbhum ... | 1,121,280 | 786,700 | August | 500 | 500 | 500 | 65 | 80 | 45,591 | 1889 to 1891 and 1906. | ... | Not yet | The condition of the crop is fair. The date of sowing was normal. The weather at the time of sowing was not favourable as there was heavy rain. |
| Bankura ... | 1,677,440 | 642,800 | Beginning of August. | 3,300 | 3,000 | 3,000 | 50 | 50 | 16,466 | 1889 to 1902 and 1906-07. | ... | ... | The recent rain has done some damage to the crop. The date of sowing was normal. |

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09). | Taking 100 to represent the normal outturn, how much will represent outturn (1909-10). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Midnapore ... | 3,319,040 | 2,190,600 | May to June. | 20,600 | 8,200 | 8,200 | 70 | 61 | 35,342 | 1893 to 1898 | 110 | Not yet commenced. | Excessive rain and the recent floods at the Ghatal subdivision are likely to affect the outturn which is estimated to be less than that of last year. The date of sowing was normal every where. |
| Howrah ... | 326,400 | 250,600 | Middle of July. | 300 | 200 | 100 | 50 | 50 | ... | ... | | Not yet begun. | The outturn would have been better but for the recent heavy floods. The sowing was normal this year. |
| 24-Parganas ... | 3,100,533 | 1,088,700 | July ... | 700 | 300 | 300 | | 80 | ... | ... | ... | Will begin in middle of October. | There was seasonable rain at the time of sowing, but the heavy rainfall at the end of August has somewhat affected the plants; hence the outturn is expected to be below the normal. The present condition of the crop is, on the whole, fair. The sowing was normal. The harvesting will begin in the middle of October. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nadia .. | 1,787,520 | 1,043,800 | Latter part of July. | 5,300 | 5,000 | 3,[illegible] | 77 | 68 | Not cadastrally surveyed | | | Not yet begun. | Owing to heavy rain in August, the sowing has not yet commenced in many places; hence there has been a decrease in the estimated area sown. Sowings have been generally late this year. |
| Murshidabad... | 1,371,520 | 985,500 | July to September. | 2,100 | 2,000 | 1,400 | | 65 | ... | ... | ... | Will begin in November. | The weather has been favourable and the general condition of the crop is fair. The date of sowing was normal and that of harvesting is expected to be the same. |
| Jessore ... | 1,572,153 | 1,191,000 | August .. | 22,000 | 2,200 | 2,300 | 35 | 37 | ... | ... | ... | Not yet ... | The recent heavy rain has caused much damage to the crop, hence the outturn is poor. The date of sowing was late. |
| Khulna ... | 3,049,016 | 870,000 | 20th July | 6,000 | 6,000 | 6,000 | 100 | 100 | 176,535 | 1903-04 to 1908-09. | 18 | Not yet commenced. | The weather has been seasonable and the general condition of the crop is good. The sowing was normal this year. |
| Patna .. | 1,328,0 0 | 1,062,100 | Beginning of July. | 500 | 300 | 300 | 58 | 90 | 73,164 | 1900-01 .. | 248 | Not yet harvested. | The weather has been favourable and the general condition of the crop is good. The date of sowing was normal this year. |
| Gaya ... | 3,015,680 | 2,118,1·0 | 15th July | 600 | 100 | 600 | 75 | 100 | 517,900 | 1893—1895, 1900—1902 and 1907-08. | 390 | Not yet begun, expected to begin from 15th September. | The weather is favourable and the crop is in good condition. The date of sowing was normal. The estimate of the second variety of the late crop which is sown in October and reaped in March cannot be given now. |
| Shahabad .. | 2,860,843 | 1,843,600 | 15th ,, | 1,600 | 800 | 1,100 | 80 | 77 | Nil | | | Not yet begun. | The general condition of the crop appears to be favourable. The dates of sowing this year were normal. |

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Sarán ... | 1,711,536 | 1,357,200 | 7th June | 200 | 2,900 | 2,900 | 53 | 70 | 1,633,435 | 1893 to 1901 | 553 | Not yet begun. | The weather has been favourable and the general condition of the crop is good. The dates of sowing were normal. The area sown increased owing to a reduction in the area under oil-seeds and owing to *til* being sown in conjunction with other crops. |
| Champaran ... | 2,259,840 | 1,447,600 | Last week of July. | 5,500 | 2,400 | 3,000 | 82 | 95 | 2,259,840 | 1892 to 1899 | 5,500 | Ditto ... | Owing to seasonable rain, a large area has been cultivated this year. The weather has been favourable up to the present and the general condition of the crop is good. The date of sowing was normal |
| Muzaffarpur ... | 1,942,400 | 1,627,000 | June ... | 300 | 500 | 1,000 | | 100 | 1,942,400 | 1892-93 to 1898-99. | 300 | Ditto ... | The weather has been favourable and the general condition of the crop is good. The date of sowing was normal. |
| Darbhanga ... | 2,142,690 | 1,678,000 | Do. ... | 400 | 700 | 1,000 | 44 | 94 | 2,142,690 | 1896 and 1903. | 400 | Not yet commenced. | The weather has been favourable and the general condition of the crop is good. The date of sowing was normal and that of harvesting has not yet commenced. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Monghyr .. | [illegible] | 1,582,800 | June and July. | 1,200 | 1,400 | [illegible] | 56 | 75 | ... | ... | ... | August ... | The weather is favourable and the general condition of the crop is fair. The date of sowing was normal, and that of harvesting was late in the Jamui subdivision. |
| Bhagalpur ... | 2,704,640 | 1,911,400 | Last week of August. | 6,300 | 100 | 6,300 | 7[illegible] | 100 | 2,403,764 | 1902-04 | 4,256 | 15th December. | The weather was very favourable throughout the season and the condition of the crop is good. The date of sowing was normal. The Subdivisional Officer of Banka has [illegible] figures for Columns 5 and [illegible] on the basis of Cadastral Survey figures. Last year, the forecasts for the early and late varieties of this crop were confused: hence the low figures this year in Column 6 as compared with those of last year. |
| Purnea . | 3,136,153 | 1,624,400 | July and August. | 100 | 100 | 100 | 50 | 80 | 2,508,346 | 1901-02 and 1904-05. | Not available. | Not yet commenced. | The date of sowing was early this year. The condition of this crop is reported to be unfavourable in the Arraria Subdivision on account of heavy rain: in the Sadar subdivision it is fair. |
| Sonthal Parganas. | 3,500,800 | 1,549,600 | 1st week of July. | [illegible]500 | 5,300 | 5,300 | 44 | 100 | 3,272,000 | 1889 to 1903. | 166,371 | Not yet begun. | The weather was favourable and the general condition of the crop is good. The date of sowing was early in the Dumka subdivision and normal in the Godda subdivision. |
| Cuttack ... | 2,338,560 | 1,223,500 | 1st week of September. | 300 | 500 | 300 | 75 | 92 | 2,058,437 | 1887-95 and 1905-07. | 761 | Ditto ... | The weather seems to be favourable and the general condition of the crop is fair. The date of sowing was normal. |
| Balasore | 1,334,368 | 932,200 | Not yet begun. | [illegible] | 500 | ... | 75 | ... | 1,095,778 | 1891-92 to 1894-95. | 98 | ..... | The late variety of the *til* crop of this District is sown during the month of October. Hence Columns 7 and 9 have been left blank. |

| District. | Total area of the district. | Total area estimated to be under cultivation. | Date at which the sowing of the crop began this year. | Approximate normal area under the crop. | Approximate area sown last year (1908-09). | Estimated area sown this year (1909-10). | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908-09). | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909-10). | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under the crop during the cadastral survey. | Date at which the harvesting of the crop was begun this year. | A brief statement regarding the weather and general condition of the crop, and whether the dates of sowing and harvesting were this year early, normal or late. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | Acres. | Acres. | | Acres. | Acres. | Acres. | | | Acres. | | Acres. | | |
| Angul ... ... | 1,091,328 | 263,000 | June | 8,000<br>26,500 | 4,000<br>1,500 | 4,000<br>... | 50<br>30 | 100<br>... | 579,328<br>... | 1888-89 and 1905-08. | ... | Middle of August. | The variety of *til* which is called *bhadoi rasi* is sown in June and harvested in August. The weather was favourable to this crop. The other variety is sown usually in August and harvested in January. The sowing of this crop has just commenced this year. |
| Sambalpur ... | 2,447,360 | 836,100 | 15th August to 5th September. | 81,200 | 70,700 | 81,200 | 75 | 10[illegible] | 2,447,360 | 1[illegible] and 1891-97. | 67,446 | Not yet begun. | The area as given in Column 6 was only an estimate the [illegible] but now actual area has been given after careful [illegible]ecking. The date of sowing was normal this year. The prospects of the crop are good at present. |
| Ranchi ... | 4,561,920 | 1,500,000 | Beginning of July last. | 1,000 | 1,000 | 1,000 | 90 | 10[illegible] | The district is being surveyed | | | Not yet begun. Begins in November. | The date of sowing was normal. The general condition of the crop is good, and the weather has so far been favourable. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Palamau ... | 3,144,960 | 627,600 | Second fortnight of August. | 5,100 | 12,600 | 12,000 | 75 | 100 | [illegible] | 1896-97 | 4,338 | ..... | The weather is favourable and the general condition of the crop is good. The date of sowing was normal. As the sowing of the crop is still going on in places, a forecast of the outturn at this stage is obviously of little value. |
| Manbhum ... | 2,654,080 | 1,419,200 | End of July. | 4,300 | 3,500 | 4,300 | 78 | 80 | Not cadastrally surveyed. | | | Not yet begun. | The weather has been favourable and the general condition of the crop is good. The date of sowing was normal this year. |
| Singhbhum ... | 2,490,240 | 840,700 | June | 6,[illegible]00<br>[illegible],500 | 6,500<br>3,500 | 6,500<br>... | 100<br>100 | 90<br>... | 1,761,98[illegible] | 1905 to 1907 and 1900 to 1902. | 3,223 | September | Untimely heavy rain damaged the crop to some extent. Harvesting is nearly completed. The date of sowing was normal. The sowing of the variety which is generally done at the latter part of September has not begun yet owing to heavy rain. |
| TOTAL BENGAL | 66,522,120 | 35,868,200 | | 222,500 | 147,000 | 158,500 | 73 | 95 | ... | ..... | ..... | ..... | |

## WEATHER AND CROP REPORT.

*For the week ending the 25th October 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·04 | 9½ | 10¼ | Condition of standing crops good. Harvesting of *aus* paddy commenced. No cattle-disease. Fodder and water sufficient. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Rainfall at Rampurhat 0·60 inch. Weather seasonable. Standing crops thriving well. Common rice selling at 10½ seers a rupee at Rampurhat. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | Nil | 11 | 11 | Rainfall at Vishnupur 0·98 inch. Weather seasonable. Threshing of *aus* paddy over. Prospects of winter rice fair. Rain wanted for paddy on high lands. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE . | Nil | 9 | 9 | Rainfall at Contai 0·[illegible] at Tamluk 0·65 and at Ghatal 0·76 inch. Weather seasonable. Prospects of winter rice good except in some portion of the Ghatal subdivision. Sowings of tobacco, linseed, mustard continuing in the Tamluk subdivision. Reaping of summer rice going on in the Tamluk subdivision only. No cattle-disease reported. Fodder and water sufficient. Common rice selling at 14 seers a rupee at Contai, at 8 seers at Tamluk and at 11 seers at Ghatal. |
| 5 | HOOGHLY ... | 0·04 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Harvesting of jute over. Cultivation of potatoes commenced. Weeding of winter paddy continuing. Winter paddy damaged to some extent by recent storm. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | Nil | 9 | 9 | Weather cloudy towards the end of the week. Standing crops doing well. Harvesting of *aus* paddy and jute nearly over. Prices of food-grains practically stationary. No cattle-disease reported. Fodder and water sufficient. |
| 7 | 24-PARGANAS | 0·03 | 9 | 9 | Weather seasonable. Prospects good. Common rice selling at 10 seers per rupee at Basirhat, at 11 seers at Diamond Harbour and at 8 seers at Barasat. Report from Barrackpore not received. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 0·21 | $11\frac{1}{16}$ | $11\frac{9}{16}$ | Rainfall at Ranaghat 3·74, at Chuadanga 4·43, at Kushtia 7·16 and at Meherpur 3·34 inches. Some damage to standing crops by cyclone reported from the Kushtia and Meherpur subdivisions. Their prospects fair. Sowing of *rabi* crops—*kalai*, *mung*—going on. Steeping of jute finished. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from thana Meherpur. |
| 9 | MURSHIDABAD | 1·32 | $10\frac{1}{2}$ to 11 | $10\frac{1}{2}$ to 11 | Weather cyclonic for first two days. Damage to winter-rice crop by cyclone estimated at 4 annas. Steeping and washing of jute approaching completion. *Rabi* crops being sown. No cattle-disease. Fodder and water sufficient. Stocks of food-grains sufficient. |
| 10 | JESSORE | 0·07 | $12\frac{1}{8}$ | $12\frac{1}{8}$ | Rainfall at Jhenida 9·80, at Magura 6·03 at Bongaon 4·98, and at Narail 4·73 inches. Weather seasonable. Considerable damage to the standing crops by the severe cyclone of the 17th instant. Steeping of jute still going on. Condition favourable. Loss of human life and cattle reported from several places. Stocks of food-grains and fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| | KHULNA ... | Nil | 9 | 11 | Rainfall at Bagerhat 4·50 and at Satkhira 8·92 inches (the fall being practically during the cyclone of the 17th and 18th). Weather calm since cyclone. Prospects of paddy good—not materially affected by cyclone. Loss of cattle very heavy owing to storm-wave. |
| 12 | PATNA ... | Nil | $11\frac{1}{8}$ $19\frac{1}{2}$* | 11 19* | Weather seasonable. Sowing of *rabi* crops commenced in places. Pressing of sugarcane commenced. Prices of food-grains slightly fallen. Paddy, *jowar* and *arhar* doing well. Food-stocks sufficient. Fodder and water available. Cattle-disease reported from Nawbatpur, Manair, Pabounge, Bikram and Asthawan. |
| 13 | GAYA ... | Nil | $10\frac{1}{2}$† $18\frac{7}{16}$* | $10\frac{1}{2}$† $18\frac{15}{16}$* | Weather seasonable. Standing crops doing well. Ploughing and sowing of *rabi* crops continuing. Prices fluctuating. Fodder and water for cattle sufficient. Cattle-disease reported from two villages in Aurangabad and five villages in the Sadar subdivision. |
| 14 | SHAHABAD ... | Nil | $10\frac{1}{4}$ $17\frac{1}{2}$* | $10\frac{1}{2}$ 18* | Standing crops doing well. Sowing of *rabi* crops commenced. Rain wanted for up-land paddy. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Imported from Sambalpur.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | ... | 11½<br>21* | 12<br>21* | Rain wanted for paddy. *Rabi* sowings commenced. Prices of staple food-grains stationary. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock good. |
| 16 | CHAMPARAN ... | Nil | 13½<br>21½* | 12¾<br>22* | Weather cold at night. *Rabi* sowings commenced in places. Condition of agricultural stock good. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 11½<br>21* | 11½<br>21* | Weather seasonable. Sowing of *rabi* crops commenced. Paddy growing excellently. Common rice and maize selling at 10⅝ and 22½ seers a rupee respectively at Sitamarhi and at 10½ and 18 seers a rupee respectively at Hajipur. Fodder and water sufficient. No cattle-disease reported. |
| 18 | DARBHANGA ... | Nil | 13 3/16†<br>20⅞* | 13 3/16†<br>22* | Weather seasonable. Prospects of standing crops excellent. Paddy on high lands being irrigated. *Rabi* sowings in progress. Food-stocks, fodder and water sufficient. Cattle-disease reported except in one village—Bhigaon—in the Sadar thana. *Makai* selling at 20⅞ seers a rupee in Darbhanga bazar. Common rice (average quality) selling at 9⅞ seers a rupee at Sadar. |
| 19 | MONGHYR ... | Nil | 10¾<br>19* | 10¾<br>20* | Weather seasonable. Condition of paddy crops good. Lands being ploughed for sowings of *rabi* crops. Prices of maize slightly risen. No cattle-disease. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | Nil | 9½<br>20¼* | 9½<br>20¼* | Weather seasonable. Present condition and prospects of standing crops very good. More rain required for up-land paddy. Condition of jute good. No apprehension of scarcity now. Condition of agricultural stock good. Fodder and water sufficient. Cases of cattle-disease reported from Supaul and Dagmara. Prices of food-grains almost stationary. No report as yet received from the Banka sub-division. |
| 21 | PURNEA ... | 0·06 | 11 | 11 | Rainfall at Kishanganj 0·11 inch. Weather seasonable. Washing of jute still going on in Kishanganj. Lands being ploughed for sowing of *rabi* crops which have commenced in places. Prospects of *aghani* paddy good. Cattle-disease reported from Kishanganj, Gopalpur and Rupauli thanas. Sugar-cane doing well in Kishanganj. Fodder and water sufficient. New *bhadoi* rice selling at 11 seers per rupee at Araria and at 10½ seers at Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | 0·30 | 8<br>16* | 8<br>15* | Rainfall at Siliguri 0·28 inch. Weather seasonable. Hills—Maize, potatoes, *chota marua* and *bhadoi* paddy being harvested. *Bara marua* and winter rice growing. Oilseeds being sown. Terai—Standing crops good. Prices stationary. Fields being ploughed for *rabi* crops. |
| 23 | SONTHAL PARGANAS. | ... | 11 11/16<br>20* | 11 11/16<br>20 1/4* | Weather clear. Rainfall at Deoghur 0·09, at Pakour 0·87 and at Rajmahal 0·85 inch. Prospects of standing crops favourable. Prices of staple food-grains continuing stationary. Sowing of *rabi* crops in progress. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Deoghur, Godda and Jamtara. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 11 1/2 | 11 13/16 | *Laghu saradh* paddy ripening in some places. *Guru saradh* paddy in ear. Sugarcane, *biri*, *mung* growing. Condition of cattle generally good. |
| 25 | BALASORE ... | Nil | 16 | 16 | Rainfall at Bhadrak 2·21 inches. Rain wanted for high land paddy in the Sadar subdivision. Weather seasonable. *Saradh* paddy in ear at places. Sugarcane thriving. Harvesting and steeping of jute continuing. Sowing of *rabi* crops going on. Vegetables doing well. Condition of cattle good. Fodder and water available. Common rice selling at 15 seers a rupee at Bhadrak. Prices stationary at Sadar and falling at Bhadrak. |
| 26 | ANGUL ... | Nil | 15 | 15 3/4 | Rainfall at Phulbani *nil*. Prospects of crops good, but more rain wanted. Condition of agricultural stock good. Common rice selling at 12 seers per rupee at the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | 0·03 | 10 1/2 | 10 1/2 | Rainfall at Khurda *nil*. Weather seasonable. *Saradh* paddy and sugarcane thriving well. *Laghu saradh* paddy in ear. Rain very badly wanted. *Kulthi* being sown. Cotton in flower. Fodder and water sufficient. No cattle-disease. Common rice selling at 13 1/8 seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 17 | 17 | Reaping and threshing of autumn rice and harvesting of *uria* continuing. Mustard and castor being sown. Condition of standing crops—sugarcane, cotton, *til* and winter rice—good. Stocks of food-grains and fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, malignant sore throat and foot-and-mouth disease reported. Common rice (average quality) selling at 15 seers a rupee at Sadar. Cheapest rice selling at 18 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 11<br>19* | 10 1/2<br>20* | *Rabi* crops being sown. No cattle-disease. Fodder and water sufficient. Condition of standing crops good. Common rice (average quality) selling at 9 1/2 seers a rupee at Sadar. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | Nil | 10 | ... | Weather seasonable. Harvesting of winter paddy on up-lands commenced in places. Sowing of mustard and gram continuing. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 11¼† | 11¼† | Weather seasonable. *Rabi* sowings continuing. Paddy doing well, but rain wanted in places. Fodder and water sufficient. Cattle-disease reported from several thanas. Burma rice selling at 9½ seers a rupee. |
| 32 | MANBHUM ... | Nil | 12 | 12 | Weather seasonable. State of standing crops good. Sowing of wheat continuing. Fodder and water sufficient. Cattle-disease reported from Rajganj thana. Condition of agricultural stock good. Common rice selling at 11 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·19 | 10 | 10 | Weather seasonable. Harvesting of early paddy going on. State of standing crops good. Fodder and water sufficient. Common rice selling at 12 seers a rupee at Kharsawan. |
| 34 | COOCH BEHAR | 2·57 | 7 3/11 | 7 3/11 | Weather seasonable. Steeping and washing of jute finished. Prices of food-grains almost stationary. Cattle-disease reported from Meekliganj, Tufanganj and Mathabhanga subdivisions. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | No rainfall during the week. Weather fair and seasonable. Harvesting in progress. Paddy and other standing crops likely to be damaged for want of rain in Athmallik, Athgarh, Baramba, Baud, Dhenkanal, Hindol, Khandpara, Narsinghpur, Ranpur and Talcher. Estimated outturn of *beali* paddy 8 annas in Hindol, 14 annas in Athgarh, 12 annas in Athmallik, 16 annas in Mayurbhanj, Nayagarh and Nilgiri. Fodder and water sufficient. Price of rice fallen in Athmallik, Bamra, Gangpur, Nilgiri, Sonpur, and in other States stationary. Cattle-disease reported from Athmallik, Kalahandi, Mayurbhanj, Patna and Tigiria. |

* The report is for the week ending the 16th October 1909.
† New rice.

GENERAL SUMMARY.—During the week under report, light showers fell in Lower Bengal and in Purnea, Darjeeling, the Sonthal Parganas, Balasore, Puri, Singhbhum and Cooch Behar. These showers were preceded by heavy cyclonic weather which did damage to all crops in Nadia, Murshidabad, Jessore and Khulna. Much damage was also done to winter paddy and to other standing crops in the region where the cyclone travelled. Unfavourable reports as to the present state of crops have been received from Murshidabad, Nadia, Jessore and Hooghly. There has been loss of life of both men and cattle in some places in Jessore and Khulna. The prospects of the winter paddy crop for the Province as a whole are anticipated at present to be satisfactory, but much depends upon the rainfall which may be received in the very near future. District returns show that more rain is wanted especially on up-land soils in Bankura, Shahabad, Saran, Bhagalpur, Balasore, Angul, Puri and Palamau. The rain up to now has been beneficial for the continuation of sowings of *rabi* crops in many districts. It is reported to this Department that the price of common rice has risen in six districts, viz., Burdwan, Jessore, Khulna, Shahabad, Saran and Angul, and has fallen in Patna, Champaran and Hazaribagh. There is cattle-disease in Nadia, Patna, Gaya, Bhagalpur, Purnea, the Sonthal Parganas, Angul, Sambalpur, Palamau, Manbhum and Cooch Behar. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL.
*Calcutta, the 26th October 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd October, 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Oct. | 17th | 76·4 | No instrument. | 29·52 | 74·7 | 77·4 | 4·4 | 73·0 | 72·7 | ·805 | 72·7 | 96 | NNE; N by W and NW. | 433 | 0·10 | Cloudy, e, d, q. |
| " | 18th | 133·9 | | ·690 | 77·1 | 82·7 | 10·2 | 72·5 | 74·1 | ·819 | 73·2 | 88 | WNW and NNW | 322 | 3·21 | Chiefly cloudy, o, q, ● |
| " | 19th | 159·8 | | ·796 | 78·3 | 87·4 | 17·3 | 70·1 | 72·9 | ·749 | 70·6 | 78 | NW; WNW and calm. | 70 | 0·03 | Clear, ⌓. |
| " | 20th | 138·3 | | ·803 | 78·8 | 87·2 | 15·9 | 71·3 | 73·4 | ·755 | 70·8 | 76 | N by W; NW and calm. | 59 | Nil | Chiefly clear, ⌓. |
| " | 21st | 135·0 | | ·245 | 79·4 | 87·7 | 15·7 | 72·0 | 73·1 | ·737 | 70·1 | 74 | NNW; NW and calm. | 49 | Nil | Clear, ⌓. |
| " | 22nd | 138·4 | | ·875 | 79·2 | 88·0 | 16·7 | 71·3 | 72·7 | ·719 | 69·4 | 72 | NNW and calm... | 55 | Nil | Clear, ⌓. |
| " | 23rd | 141·4 | | ·875 | 78·3 | 87·5 | 17·5 | 70·0 | 71·7 | ·697 | 68·5 | 73 | NNW, N by W and calm. | 58 | [illegible] | [illegible] clear, ⌓. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·772 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 29·867 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | [illegible] |
| The maximum possible number of hours of sunshine ... ... ... | 80·5 |
| The mean temperature of the seven days ... ... ... ... | 78·0 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 81·2 |
| The extreme variation of temperature ... ... ... ... | 18·0 |
| | Miles. |
| The maximum temperature ... ... ... ... ... | 88·0 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | [illegible] |
| The mean relative humidity ... ... ... ... ... | 80 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 77 |
| The total fall of rain from 17th to 25th October 1909 ... ... ... | 3·34 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | [illegible]·82 |
| The total fall from 1st January to 25th October 1909 ... ... ... | 71·[illegible]3 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 62·88 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast; d, drizzling; q, squally; ●, continued rain; ⌓, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 25th October 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

## BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of June 1909, compared with the corresponding period in 1908*

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 37 | 503 | 22 | 293 | ..... | ..... | 15 | 214 | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 9,621 | 14,613 | 4,448 | 7,083 | ..... | ..... | 5,173 | 7,530 | Due to booking being stopped for a fortnight owing to slip line being washed away. |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... | 145 | 916 | 109 | 636 | ..... | ..... | 36 | 280 | |
| 2. Manufactured— | | | | | | | | | |
| (a) } Twist and yarn. (b) } European | 8 | 100 | 8 | 88 | ..... | ..... | ..... | 12 | |
| (b) } Twist and yarn. (b) } Indian ... | 411 | 4,757 | 513 | 5,347 | 102 | 590 | ..... | ..... | |
| (c) } Piece-goods (d) } European | 804 | 8,120 | 1,360 | 14,492 | 556 | 6,372 | ..... | ..... | |
| (c) } Piece-goods (d) } Indian ... | 321 | 2,127 | 319 | 2,380 | 98 | 253 | ..... | ..... | |
| (e) Others ... ... ... | 15 | 152 | 20 | 235 | 5 | 53 | ..... | ..... | |
| IV.—Chemicals, excepting saltpetre | 118 | 101 | 338 | 859 | 220 | 758 | ..... | ..... | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 27 | 245 | 22 | 283 | ..... | 38 | 5 | ..... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 8 | 117 | 8 | 150 | ..... | 33 | ..... | ..... | |
| (b) Others ... ... | 282 | 9,373 | 1,816 | 8,574 | ..... | ..... | 466 | 799 | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline | 5 | 50 | 7 | 93 | 2 | 43 | ..... | ..... | |
| 2. [illegible] ... ... ... | 95 | 1,068 | 47 | 92 | ..... | ..... | 48 | 976 | |
| 3. Indigo ... ... ... | 1 | 3 | ..... | ..... | ..... | ..... | 1 | 2 | |
| 4. Myrabolams ... ... | 11 | 79 | 15 | 118 | 4 | 39 | ..... | ..... | |
| 5. [illegible] barks ... ... | 141 | 138 | 768 | 1,305 | 627 | 1,167 | ..... | ..... | |
| 6. Turmeric ... ... | 235 | 1,801 | 168 | 1,219 | ..... | ..... | 67 | 582 | |
| 7. Others ... ... | 95 | 645 | 43 | 409 | ..... | ..... | 52 | 236 | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... | 1,360 | 1,696 | 976 | 1,934 | ..... | 238 | 384 | ..... | |
| 2. Hay, straw and grass | 927 | 7,829 | 2,454 | 13,394 | 1,527 | 5,565 | ..... | ..... | |
| VIII.—Fruits and vegetables, fresh | 3,279 | 18,217 | 1,502 | 8,505 | ..... | ..... | 1,777 | 9,712 | |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 18,200 | 94,427 | 18,219 | 85,437 | 19 | ..... | ..... | 8,990 | |
| 2. Jawar and bajra ... | 848 | 3,704 | 2,563 | 20,515 | 1,714 | 16,811 | ..... | ..... | |
| 3. } Rice in the husk ... | 8,259 | 38,452 | 5,735 | 18,027 | ..... | ..... | 2,524 | 20,425 | |
| 4. } Rice not in the husk | 12,582 | 55,024 | 16,700 | 52,646 | 4,118 | ..... | ..... | 2,378 | |
| 5. Wheat ... ... ... | 2,060 | 8,456 | 9,460 | 41,093 | 6,800 | 32,637 | ..... | ..... | Demand for export. |
| 6. Wheat-flour ... ... | 337 | 1,812 | 352 | 2,083 | 15 | 271 | ..... | ..... | |
| 7. Maize ... ... ... | 990 | 218 | 6,542 | 45,328 | 5,552 | 45,110 | ..... | ..... | } Demand in Tirhut. |
| 8. Others ... ... ... | 8,178 | 29,665 | 11,734 | 44,117 | 3,556 | 14,532 | ..... | ..... | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 543 | 4,524 | 476 | 3,035 | ..... | ..... | 67 | 1,489 | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 281 | 1,325 | 360 | 1,727 | 79 | 402 | ..... | ..... | |
| XI.—Horns ... ... ... | 4 | 44 | 9 | 61 | 5 | 17 | ..... | ..... | |
| XII.—Hemp (Indian) and other fibres excluding jute. | 475 | 2,556 | 579 | 3,630 | 104 | 1,074 | ..... | ..... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... ... ... | 871 | 5,542 | 54 | 312 | ..... | ..... | ..... | 5,230 | |
| 2. Gunny-bags and cloth | 1,334 | 8,234 | 1,494 | 7,751 | 160 | ..... | ..... | 483 | |
| XIV.—Lac ... ... ... | 303 | 1,534 | 194 | 888 | ..... | ..... | 109 | 646 | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | 8 | 23 | 12 | 36 | 4 | 13 | ..... | ..... | |
| 2. Wrought, excepting boots and shoes. | 79 | 247 | 2 | 27 | ..... | ..... | 77 | 220 | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 4 | 25 | 4 | 16 | ..... | ..... | ..... | 9 | |
| 2. Wines and spirits of all kinds, including country spirit. | 11 | 11 | 47 | 390 | 36 | 401 | ..... | ..... | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 23 | 160 | 53 | 598 | 30 | 438 | ..... | ..... | |
| 2. .. wrought ... | 87 | 606 | 171 | 1,227 | 84 | 621 | ..... | ..... | |
| 3. Copper, unwrought ... | 1 | 9 | 2 | 28 | 1 | 19 | ..... | ..... | |
| 4. .. wrought ... | 13 | 71 | 14 | 153 | 1 | 82 | ..... | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 19 | 100 | 6 | 20 | ..... | ..... | 13 | 71 | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 319 | 1,680 | 393 | 2,373 | 74 | 593 | ..... | ..... | |
| (b) Machinery and mill-work. | 66 | 534 | 37 | 106 | ..... | ..... | 29 | 428 | |
| (c) Other manufactures, including hardware and cutlery. | 546 | 3,156 | 367 | 2,588 | ..... | ..... | 179 | 568 | |
| 6. Metallic ores ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 7. Others ... ... ... | 264 | 1,946 | 171 | 1,146 | ..... | ..... | 93 | 800 | |

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substances— | | | | | | | | | |
| 1. Marble and stone ... | 2,348 | 3,658 | 3,171 | 4,341 | 823 | 683 | ..... | ..... | |
| 2. Chalk and lime ... | 1,545 | 3,588 | 1,658 | 3,707 | 113 | 119 | ..... | ..... | |
| 3. Others ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine ... ... ... | 2,905 | 10,839 | 2,284 | 8,808 | ..... | ..... | 624 | 2,031 | |
| 2. Castor .. ... ... | 54 | 279 | 35 | 180 | ..... | ..... | 19 | 99 | |
| 3. Cocoanut ... ... ... | ..... | ..... | 1 | 9 | 1 | 9 | ..... | ..... | |
| 4. Mustard and rape ... | 33 | 226 | 144 | 1,458 | 111 | 1,232 | ..... | ..... | |
| 5. Others ... ... ... | 109 | 995 | 31 | 186 | ..... | ..... | 78 | 809 | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor ... ... ... | 1,698 | 4,385 | 906 | 2,491 | ..... | ..... | 792 | 1,894 | |
| 2. Earthnuts ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Linseed ... ... ... | 16,164 | 59,792 | 11,325 | 54,151 | ..... | ..... | 4,839 | 5,641 | |
| 4. Poppy ... ... ... | 529 | 2,264 | 740 | 3,323 | 211 | 1,059 | ..... | ..... | |
| 5. Rape and mustard ... | 3,649 | 12,064 | 6,593 | 27,224 | 2,944 | 15,160 | ..... | ..... | Better crops. |
| 6. Til or jinjili ... ... | 31 | 140 | 92 | 402 | 61 | 262 | ..... | ..... | |
| 7. Others ... ... ... | 1,501 | 6,780 | 499 | 1,897 | ..... | ..... | 1,002 | 4,883 | |
| XXI.—Opium ... ... ... | 142 | 2,159 | 19 | 148 | ..... | ..... | 123 | 12,011 | |
| XXII.—Paper and Pasteboard ... | 382 | 724 | 324 | 730 | ..... | 6 | 58 | ..... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts ... | 72 | 603 | 71 | 875 | ..... | 272 | 1 | ..... | |
| 2. Ghee ... ... ... | 175 | 1,221 | 244 | 1,836 | 69 | 615 | ..... | ..... | |
| 3. Others ... ... ... | 1,916 | 10,058 | 1,462 | 6,759 | ..... | ..... | 454 | 3,299 | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Others ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXV.—Salt ... ... ... ... | 13,516 | 54,283 | 11,628 | 47,291 | ..... | ..... | 1,888 | [illegible] | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre ... ... | 792 | 2,646 | 587 | 1,844 | ..... | ..... | [illegible] | [illegible] | |
| 2. Other saline substances | 395 | 1,631 | 201 | 1,047 | ..... | ..... | 194 | 584 | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | 3 | 57 | ..... | ..... | ..... | ..... | 3 | 57 | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts ... ... | 177 | 1,359 | 134 | 1,074 | ..... | ..... | 43 | 285 | |
| 2. Cardamoms ... ... | 3 | 33 | 2 | 33 | ..... | ..... | 1 | 5 | |
| 3. Chillies ... ... | 303 | 1,605 | 168 | 1,250 | ..... | ..... | 135 | 355 | |
| 4. Ginger ... ... ... | 52 | 358 | 98 | 1,131 | 46 | 773 | ..... | ..... | |
| 5. Pepper ... ... ... | 38 | 385 | 52 | 563 | 14 | 178 | ..... | ..... | |
| 6. Others ... ... ... | 242 | [illegible] | 380 | 2,691 | 138 | 947 | ..... | ..... | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 433 | 2,447 | 663 | 4,239 | 230 | 1,792 | ..... | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 4,562 | 29,040 | 2,199 | 13,317 | ..... | ..... | 2,363 | 15,723 | Poor sugarcane crop. |
| (b) Gur, rab, jaggery, molasses, and other saccharine produce. | 6,650 | 32,691 | 2,806 | 15,573 | ..... | ..... | 3,844 | 17,118 | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... ... | 3 | 26 | 3 | 74 | ..... | 48 | ..... | ..... | |
| XXXI.—Tobacco— | | | | | | | | | |
| 1. Unmanufactured ... | 9,177 | 76,236 | 5,293 | 41,643 | ..... | ..... | 3,884 | 34,593 | Due to booking via Mokameh Ghat being stopped for a fortnight. |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Other sorts ... | 49 | 316 | 33 | 309 | ..... | ..... | 16 | 7 | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought ... | 2,576 | 9,667 | 3,156 | 9,024 | 580 | ..... | ..... | 843 | |
| 2. Logs ... ... ... | 364 | 659 | 641 | 1,568 | 277 | 909 | ..... | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. Manufactures ... ... | 408 | 3,099 | 487 | 2,617 | 79 | ..... | ..... | 482 | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw ... ... ... | 7 | 47 | 5 | 71 | ..... | 24 | 2 | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs ... | 1 | 15 | 2 | 20 | 1 | 5 | ..... | ..... | |
| (b) (c) Piece-goods { European | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Piece-goods { Indian | 15 | 166 | 26 | 277 | 11 | 111 | ..... | ..... | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Indigo-seed ... ... | 64 | 540 | 1 | 15 | ..... | ..... | 63 | 525 | |
| 2. Firewood ... ... | 1,397 | 1,147 | 1,532 | 1,578 | 135 | 431 | ..... | ..... | |
| 3. Others, not specified above. | 3,944 | 21,163 | 1,658 | 5,522 | ..... | ..... | 2,286 | 15,641 | |
| Total ... | 1,55,578 | 6,98,106 | 1,52,066 | 6,84,132 | 31,337 | 1,62,785 | 32,849 | 1,76,759 | |

GORAKHPUR, *the 19th October 1909.*

ILLEGIBLE,
for *Chief Auditor.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 9th October 1909 on 768 miles open for all descriptions of traffic, and on additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 62,500 | 37,500 0 0 | 396,000 0 | 64,500 0 0 | 4,500 0 0 | 1,06,500 0 0 | 14,046 | 20,181 | 34,227 |
| Or per mile of railway ... | 81·36 | 48·83 | 513·62 | 83·66 | 5·84 | 138·33 | 18·29 | 26·18 | 44.47 |
| For previous 14 weeks of half-year* ... .. ... ... | 717,585 | 4,49,412 0 0 | 4,255,435 0 | 6,94,293 0 0 | 65,733 0 0 | 12,09,438 0 0 | 187,593 | 280,665 | 468,057 |
| Total for 15 weeks ... | 780,085 | 4,86,912 0 0 | 4,651,435 0 | 7,58,793 0 0 | 70,233 0 0 | 13,15,938 0 0 | 201,438 | 300,846 | 502,284 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 46,369 | 29,110 0 0 | 306,221 0 | 45,211 0 0 | 4,700 0 0 | 79,021 0 0 | 13,540 | 21,364 | 34,904 |
| Per mile of railway corresponding week of previous year ... | 62·98 | 37·90 | 397·17 | 58·64 | 6·10 | 102·64 | 17·63 | 27·88 | 45·21 |
| Total to corresponding date of previous year ... ... ... | 739,074 | 4,40,137 0 0 | 4,271,030 0 | 7,01,358 0 0 | 75,512 0 0 | 12,17,007 0 0 | 223,577 | 292,446 | 516,023 |

* Includes audited figures up to 31st July 1909.

FINANCIAL YEAR.—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 9th October 1909. | | | Receipts for week ending 10th October 1908. | | | Total receipts from 1st April 1909 to 9th October 1909. | | | Total receipts from 1st April 1908 to 10th October 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| | 1,06,500 | 138·33 | 771 | 79,021 | 102·64 | 771 | 21,59,903 | ... | 771 | 23,19,[illegible] | ... | 1,40,876 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 9th October 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. (a) | Mds. | Rs. (b) | Rs. | Rs. | | (d) | |
| Total traffic for the week on 1,867 miles open ... ... ... | 270,080 | 1,00,340 | 762,140 | 91,440 | 1[illegible] | 2,13,12[illegible] | 59,027 | 30,081 | 89,108 |
| Or per mile of railway ... | 144·66 | 56·96 | 408·22 | 48·98 | 8·21 | 114·15 | ..... | ..... | ..... |
| For previous 13½ weeks of half-year (c) ... .. .. | 4,310,555 | 15,25,083 | 10,517,942 | 22,13,994 | 2,36,508 | 29,75,585 | 768,840 | 467,415 | 1,236,255 |
| Total for 14½ weeks ... | 4,580,635 | 16,31,423 | 11,280,082 | 13,05,434 | 2,51,848 | 31,88,705 | 827,867 | 497,496 | 1,325,363 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... .. .. .. | 239,200 | 94,896 | 679,152 | 86,331 | 16,942 | 1,98,169 | 61,572 | (f) 34,143 | 95,715 |
| Per mile of corresponding week of previous year ... ... .. | 133·56 | 52·99 | 379·20 | 48·20 | 9·46 | 110·65 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 4,599,558 | 17,47,999 | 12,494,044 | 13,97,002 | 3,18,616 | 34,64,307 | 873,066 | 552,769 | 1,425,835 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 1·80 | | 3·04 | ·17 | 2·39 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1·54 | | 2·53 | ·18 | 2·07 | | | |

(a) Increase under passengers due to heavy bookings.
(b) Increase chiefly under local and foreign outward.
(c) Decrease mainly under steam-boat.
(d) Includes 5,376 miles of ballast trains.
(e) Includes audited figures for the month of July 1909.
(f) Includes 7,135 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 16th October 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. (f) (d) | | | |
| Total traffic for the week ... | 593,530 | 1,99,060 0 0 | 2,660,580 0 | 4,86,600 0 0 | 37,120 0 0 | 17,22,960 0 0 | 77,126 | (d)66,786 | 145,910 |
| Or per mile of railway ... ... | (a)444 | (a)148 0 0 | 1,777 0 | 325 0 0 | (c)9 0 0 | (c)467 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (e) ... ... ... ... | 6,596,656 | 24,58,861 0 0 | 31,607,831 0 | 51,32,464 0 0 | 4,79,402 0 0 | 80,70,727 0 0 | 1,109,953 | 865,546 | 1,975,560 |
| Total for 16 weeks ... | 7,190,476 | 26,57,921 0 0 | 34,468,561 0 | 56,19,264 0 0 | 5,16,522 0 0 | 97,93,707 0 0 | 1,187,076 | 934,334 | 2,121,410 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 579,947 | 1,78,310 0 0 | 2,083,071 0 | 4,59,184 0 0 | 25,930 0 0 | 6,63,424 0 0 | 76,074 | 56,526 | 132,600 |
| Per mile of railway corresponding week of previous year (1,276 miles) ... ... ... | (b)472 | (b)145 0 0 | 1,635 0 | 360 0 0 | 3 0 0 | 502 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... | 7,479,160 | 27,84,962 0 0 | 32,454,634 0 | 50,75,818 0 0 | 4,91,605 0 0 | 83,52,385 0 0 | 1,165,863 | 843,860 | 2,009,723 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 34,000.
(d) Includes adjustments for ballast trains, Loco. coal, Revenue stores, etc.
(e) Audited up to July 1909.
(f) Increase is due to general development of traffic under coaching and goods.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 16th October 1909 on [illegible] miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 46,[illegible] | 14,010 0 0 | 90,300 0 | 8,240 0 0 | 150 0 0 | 22,400 0 0 | 5,633 | (a)2,471 | 8,104 |
| Or per mile of railway per week | 5[illegible] | 163 0 0 | 1,050 0 | 96 0 0 | 1 0 0 | 260 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (b) ... ... ... ... | 609,020 | 1,64,712 0 0 | 1,155,506 0 | 76,961 0 0 | 2,841 0 0 | 2,44,514 0 0 | 78,546 | 25,421 | 103,967 |
| Total for 16 weeks ... | 655,970 | 1,78,722 0 0 | 1,245,[illegible] 0 | 85,201 0 0 | 2,991 0 0 | 2,66,914 0 0 | 84,179 | 27,892 | 112,071 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 46,014 | 13,140 0 0 | 88,632 0 | 8,387 0 0 | 74 0 0 | 21,601 0 0 | 5,656 | 1,666 | 7,322 |
| Per mile of railway corresponding week of previous year ... | 635 | 153 0 0 | 1,031 0 | 97 0 0 | 1 0 0 | 251 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 722,360 | 2,02,327 0 0 | 1,230,699 0 | 92,624 0 0 | 3,741 0 0 | 2,98,692 0 0 | 86,142 | 25,411 | 118,553 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 16th October 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 6,870 | 1,980 0 0 | 21,580 0 | 1,890 0 0 | 10 0 0 | 3,880 0 0 | 468 | (a)2,320 | 2,788 |
| Or per mile of railway ... ... | 204 | 59 0 0 | 642 0 | 56 0 0 | ..... | 115 0 0 | ... | ... | ... |
| For previous 15 weeks of half-year (b) ... ... ... ... | 50,164 | 18,955 0 0 | 279,101 0 | 22,573 0 0 | 244 0 0 | 41,772 0 0 | 7,086 | 27,644 | 34,730 |
| Total for 16 weeks ... | 57,034 | 20,935 0 0 | 300,681 0 | 24,463 0 0 | 254 0 0 | 45,652 0 0 | 7,554 | 29,964 | 37,518 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 7,664 | 2,024 0 0 | 23,745 0 | 2,020 0 0 | 11 0 0 | 4,055 0 0 | 420 | 952 | 1,372 |
| Per mile of railway corresponding week of previous year ... | 228 | 61 0 0 | 707 0 | 60 0 0 | ..... | 121 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... ... | 62,024 | 22,913 0 0 | 344,841 0 | 29,372 0 0 | 174 0 0 | 52,459 0 0 | 7,231 | 25,553 | 32,784 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 16th October 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 11,250 | 3,330 0 0 | 98,640 0 | 4,980 0 0 | 30 0 0 | 8,340 0 0 | 1,540 | (a) 1,101 | 2,641 |
| Or per mile of railway ... | 208 | 62 0 0 | 1,827 0 | 92 0 0 | ..... | 154 0 0 | ... | ... | — |
| For previous 15 weeks of half-year (b) ... ... ... ... | 173,335 | 49,574 0 0 | 791,264 0 | 44,894 0 0 | 395 0 0 | 94,863 0 0 | 25,630 | 9,063 | 34,693 |
| Total for 16 weeks ... | 184,585 | 52,904 0 0 | 889,904 0 | 49,874 0 0 | 425 0 0 | 1,03,203 0 0 | 27,170 | 10,164 | 37,334 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 12,585 | 4,022 0 0 | 88,036 0 | 4,588 0 0 | 39 0 0 | 8,649 0 0 | 1,907 | 1,083 | 3,050 |
| Per mile of railway corresponding week of previous year ... | 233 | 74 0 0 | 1,630 0 | 85 0 0 | 1 0 0 | 160 0 0 | .. | — | ... |
| Total to corresponding date of previous year ... .. ... | 210,963 | 63,124 0 0 | 850,653 0 | 46,500 0 0 | 538 0 0 | 1,12,162 0 0 | 30,922 | 11,219 | 42,141 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 16th October 1909 ... | Coaching ... | 12,012 0 0 | 24,958 0 0 |
| | Goods ... | 12,822 0 0 | |
| | Other earnings ... | 94 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 9,330 0 0 | 19,373 0 0 |
| | Goods ... | 9,434 0 0 | |
| | Other earnings ... | 109 0 0 | |
| | Increase ... | | 5,585 0 0 |
| Receipts per mile for the week ending 16th October 1909 ... ... ... ... | | | 489 6 [illegible] |
| Ditto for the corresponding period of 1908 ... ... .. | | | [illegible] 10 |
| | Increase ... | | 109 8 2 |
| Receipts from 1st July to 16th October 1909 ... ... ... — ... | | | 2,75,623 0 0 |
| Ditto for the corresponding period of 1908 ... — ... — ... | | | 2,70,092 0 0 |
| | Increase ... | | 5,531 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 27th October 1909.

REGISTERED No. C 209.]

No. 44 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, NOVEMBER 3, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

## CONTENTS.

| | Page |
|---|---|
| Weather and Crop Report for the week ending the 1st November 1909 ... ... ... ... ... ... | 1664—1669 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th October 1909 ... | 1670—1677 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the weeks ending the 16th, 23rd and 30th October 1909 ... ... ... ... | 1678 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th October 1909 ... ... ... ... ... ... ... ... | 1679 |
| Railway Returns ... ... ... ... ... ... | 1680—1682 |

## WEATHER AND CROP REPORT.

*For the week ending the 1st November 1909.*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and standing prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 9½ | 9½ | Prospects of standing crops good. Harvesting of *aus* paddy nearly completed. Sowings of *rabi* crops going on briskly. A shower of rain needed in places for *aman* paddy. Cattle-disease reported from the Sadar and Shahibganj thanas. Fodder and water sufficient. |
| 2 | BIRBHUM ... | 0·04 | 10 | 10 | Rainfall at Rampurhat 0·02 inch. Standing crops thriving well. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | Nil | 11 | 11 | Weather seasonable. Rain wanted for paddy on high lands. *Rabi* sowings also being retarded for want of rain. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | Nil | 9 | 9 | Rainfall at Contai *nil*, at Tamluk 0·05 and at Ghatal 0·22 inch. Weather seasonable. Prospects of winter rice good. Sowings of rape, mustard, tobacco and late cotton going on in the Tamluk subdivision. Sowing of summer rice not yet commenced. Cattle-disease in thanas Midnapore and Salboni. Fodder and water sufficient. Common rice selling at 14 and 9 seers a rupee at Contai and Tamluk respectively. Price of common rice at Ghatal not reported. |
| 5 | HOOGHLY ... | 0·17 | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Steeping of jute continuing. Present condition of winter paddy fair. Lands being ploughed for *rabi* crops. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | Nil | 9 | 9 | Weather seasonable. Standing crops good. Light showers yet required. Harvesting of *aus* paddy and jute nearly over. Sowings of *rabi* crops progressing. No cattle-disease. Fodder and water sufficient. Common rice selling from 9 to 10 seers per rupee at Uluberia. |
| 7 | 24-PARGANAS | 0·14 | 8½ | 9 | Weather seasonable. Prospects of standing crops good. Cattle in good condition. Fodder and water sufficient. Common rice selling at 10 seers per rupee at Basirhat, at 11 seers at Diamond Harbour, at 8 seers at Barasat and at 8½ seers at Barrackpore. Condition of agricultural stock good. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 0·12 | $10\frac{11}{16}$ | $11\frac{9}{16}$ | No rain at other subdivisions. Prospects of standing crops fair. Sowing of *rabi* crops continuing. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from thana Meherpur. |
| 9 | MURSHIDABAD | Nil | 11 | $10\frac{1}{2}$ to 11 | Weather hot. Condition of standing crops, mulberry and sugarcane good. Winter rice thriving, but partly damaged by recent cyclonic weather. Cultivation of *rabi* crops and potatoes going on. Washing of jute nearly finished. No cattle-disease Fodder and water sufficient. Agricultural stocks and food-grains sufficient. |
| 10 | JESSORE | 0·01 | $11\frac{9}{16}$ | $11\frac{1}{8}$ | No rain at other subdivisions. Weather seasonable. *Aman* paddy damaged by the late cyclone. Steeping and washing of jute going on. Condition favourable. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from the Jhenidah subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 9 | 9 | Weather rather hot. Prospects of *aman* paddy good. Loss of cattle owing to recent cyclone reported. Fodder and water sufficient. |
| 12 | PATNA ... | Nil | 11<br>20* | $11\frac{1}{8}$<br>$19\frac{1}{2}$* | Weather seasonable. Paddy being irrigated where water available. Rain wanted elsewhere. *Rabi* crops being sown. Sugarcane and other standing crops doing well. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Nawbatpur and Mallahi. |
| 13 | GAYA ... | Nil | 11<br>$18\frac{11}{16}$* | $10\frac{1}{2}$<br>$18\frac{7}{16}$* | Weather warm and occasionally cloudy. Prospects of standing crops continuing favourable. Rain wanted for *rabi* crops. Prices falling. Fodder and water for cattle ample. Cattle-disease reported from three villages in the Sadar subdivision and from two villages in the Aurangabad subdivision. |
| 14 | SHAHABAD ... | Nil | $10\frac{1}{2}$<br>18* | $10\frac{1}{4}$<br>$17\frac{1}{2}$* | Standing crops doing well. Sowing of *rabi* crops in progress. Rain wanted for up-land rice not irrigated by canal water. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. Cattle-disease reported in village Manikpur in Buxar. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | Nil | 12<br>19* | 11½<br>21* | Weather seasonable. Paddy suffering from want of rain, and being irrigated where possible. *Rabi* sowings going on. No cattle-disease. Fodder and water sufficient. |
| 16 | CHAMPARAN ... | Nil | 12<br>21* | 13½<br>21½* | Weather seasonable. *Rabi* sowings commenced. Condition of agricultural stock good. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 11½<br>20½* | 11½<br>21* | Weather seasonable. Prospects of standing crops excellent. *Rabi* sowings in progress. Fodder and water sufficient. No cattle-disease. Common rice and *makai* selling at 10½ and 20½ seers a rupee respectively at Hajipur. Report from Sitamarhi not received. |
| 18 | DARBHANGA ... | Nil | 12⅝†<br>19 1/16* | 13 3/16†<br>20⅞* | Weather seasonable. Prospects of standing crops good. *Rabi* sowings in progress. Paddy crops on high lands being irrigated. Food-stocks, fodder and water sufficient. No cattle-disease reported. Common rice (average quality) selling at 9⅞ seers a rupee at Sadar. *Makai* selling at 19 1/16 seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 9½<br>20* | 10¾<br>19* | Weather seasonable. Sky occasionally cloudy. Standing crops doing well. Condition of paddy good. Sowings of *rabi* crops commenced. Cattle-disease reported from thanas Monghyr and Lakhisarai. Fodder and water sufficient. Price of rice risen. |
| 20 | BHAGALPUR ... | Nil | 9½<br>20¼* | 9⅛<br>20¼* | Weather seasonable. Present condition and prospects of standing crops very good. Sowings of *rabi* crops expected to begin soon. No apprehension of famine. Agricultural stock in good condition. Fodder and water sufficient. No cattle-disease reported. |
| 21 | PURNEA ... | Nil | 12 | 11 | Weather seasonable. Prospects of *aghani* paddy good. *Rabi* crops being sown. Washing of jute nearly completed. Cattle-disease reported from Dhamdaha and Kadwa thanas. Fodder and water sufficient. New *bhadoi* rice selling at 12 seers per rupee at Araria and 10½ seers at Kishanganj. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

# The Calcutta Gazette.

PUBLISHED BY AUTHORITY.

WEDNESDAY, NOVEMBER 3, 1909.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## PART V.

### Acts of the Governor General's Council assented to by the Governor General.

GOVERNMENT OF INDIA.

LEGISLATIVE DEPARTMENT.

The following Act of the Governor General of India in Council received the assent of the Governor General on the 2nd October, 1909, and is hereby promulgated for general information:

### ACT NO. VII OF 1909.

*An Act to remove doubts as to the validity of the marriage ceremony common among the Sikhs called Anand.*

WHEREAS it is expedient to remove any doubts as to the validity of the marriage ceremony common among the Sikhs called Anand; It is hereby enacted as follows:—

Short title and extent.

1. (1) This Act may be called the Anand Marriage Act, 1909; and

(2) It extends to the whole of British India.

Validity of Anand marriages.

2. All marriages which may be or may have been duly solemnized according to the Sikh marriage ceremony called Anand shall be, and shall be deemed to have been with effect from the date of the solemnization of each respectively, good and valid in law.

Exemption of certain marriages from Act.

3. Nothing in this Act shall apply to—

(a) any marriage between persons not professing the Sikh religion, or

(b) any marriage which has been judicially declared to be null and void.

Saving of marriages solemnized according to other ceremonies.

4. Nothing in this Act shall affect the validity of any marriage duly solemnized according to any other marriage ceremony customary among the Sikhs.

Non-validation of marriages within prohibited degrees.

5. Nothing in this Act shall be deemed to validate any marriage between persons who are related to each other in any degree of consanguinity or affinity which would, according to the customary law of the Sikhs, render a marriage between them illegal.

J. M. MACPHERSON,

*Secretary to the Government of India.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | Nil | 8<br>16* | 8<br>16* | Rainfall at Siliguri *nil*. Weather seasonable. Hills—*Bara marua*, *chota marua*, winter rice and oil-seeds growing. *Bhadoi* paddy being harvested. Terai—Standing crops good. Prices stationary. *Rabi* crops being sown. Fields being ploughed for tobacco and potatoes. |
| 23 | SONTHAL PARGANAS. | ... | 12½<br>20* | 11 11/16<br>20* | Rainfall at Godda 0·08 inch. Weather clear. Prospects of standing crops favourable. Sowing of *rabi* crops going on. More rain wanted at Jamtara for upland paddy. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Cattle-disease reported from Deoghur. Fodder and water sufficient. |
| 24 | CUTTACK | ·16 | [illegible] | 11 13/16 | *Laghu saradh* paddy ripening. *Guru saradh* paddy, sugarcane, mustard, *kulthi* and *biri* growing. Condition of cattle good. Fodder and water sufficient. |
| 25 | BALASORE ... | 0·71 | 16 | 16 | Weather seasonable. Rainfall 1[illegible] inches at Bhadrak. *Laghu saradh* paddy ripening. [illegible] *saradh* paddy in ear. Sugarcane thriving. Sowing of *rabi* crops going on. Vegetables doing well. Condition of cattle good. Fodder and water sufficient. Course rice selling at 15 seers a rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | 0·88 | 10 13/16 | 15 | Weather seasonable. Prospects of crops good. Condition of agricultural stock good. Cattle-disease reported. Report from the Khondmals not received. |
| 27 | PURI ... | 2·74 | 10 13/16 | 10½ | Rainfall at Khurda 2·15 inches. *Saradh* paddy and sugarcane thriving. *Laghu* paddy ripening. *Kulthi* being sown. Cotton in flower and in pod. Fodder and water sufficient. Cattle-disease in Banpur Chakla. Common rice selling at 13½ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 0·04 | 16 | 17 | Reaping and threshing of autumn rice continuing, of winter rice commenced. Harvesting of *urid* in progress. Condition of sugarcane, cotton, *til* and winter rice good. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Outturn of autumn rice estimated at 90 per cent. of the normal in the Bhutli Circle and Bargarh Tahsil. Rinderpest, malignant sore throat, foot-and-mouth disease reported. Common rice (average quality) selling at 15 seers a rupee at Sadar. Cheapest rice selling at 18 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 10½<br>19* | 11<br>19* | Weather seasonable. Standing crops good. Paddy being harvested in some places. *Rabi* crops being sown. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | Nil | 11 | 10 | Weather seasonable. Harvesting of paddy continuing. Standing crops doing well. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 11¾† | 11¼† | Weather seasonable. *Rabi* sowings continuing. Paddy doing well, but rain wanted in places. Fodder and water sufficient. Cattle-disease reported from four thanas. |
| 32 | MANBHUM ... | Nil | 12 | 12 | Weather seasonable. State of standing crops good. Cutting of paddy on high lands commenced. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains stationary. Common rice selling at 11 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 10 | 10 | Weather seasonable. Harvesting of early paddy going on. State of standing crops good. Condition of cattle good. Fodder and water sufficient. Common rice selling at 14½ and 12 seers per rupee at Seraikella and Kharsawan respectively. |
| 34 | COOCH BEHAR | Nil | 8 | 7 3/11 | Weather seasonable. Prospects and condition of standing crops favourable. Prices of staple food-grains almost stationary. Cattle-disease still reported from Meckliganj, Mathabhanga and Tufanganj sub-divisions. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Copious rain in Bamra, Baramba, Keonjhar, Mayurbhanj and Nilgiri. Weather fair and seasonable. Harvesting in progress. Paddy and other standing crops expected to be damaged for want of rain in Athgarh, Athmallik, Baramba, Daspalla, Dhenkanal, Hindol, Mayurbhanj, Narsinghpur, Nayagarh and Ranpur. Estimated outturn of *beali* paddy 8 annas in Hindol, 12 annas in Athmallik, 16 annas in Mayurbhanj, Nayagarh and Nilgiri. Fodder and water sufficient. Price of rice fallen in Baud, Mayurbhanj and Patna, risen in Athgarh and Hindol and stationary in other States. Cattle-disease reported from Athmallik, Baramba, Kalahandi, Patna and Tigiria. |

* The report is for the week ending the 23rd October 1909.
† New rice.

GENERAL SUMMARY.—Light rain fell in Orissa. In Lower Bengal the rain previously received was enough for the agricultural operations of the week. There was no rain in Bihar and Chota Nagpur. Some more rain is reported to be wanting for *aman* paddy grown on high lands in Burdwan, Bankura, Patna, Gaya, Shahabad, Saran, the Sonthal Parganas and Palamau. Winter paddy was damaged by the recent cyclone in Murshidabad and Jessore. Prospects of this crop are favourable. Sowings of *rabi* crops are in progress. The price of common rice has risen in the 24-Parganas, Nadia, Patna, Champaran, Darbhanga, Monghyr, Sambalpur and Hazaribagh and has fallen in Jessore, Gaya, Shahabad, Saran, Purnea, the Sonthal Parganas, Angul, Puri, Ranchi, Palamau and Cooch Behar. Reports of cattle-disease have been received from Burdwan, Midnapore, Nadia, Jessore, Patna, Gaya, Shahabad, Monghyr, Purnea, the Sonthal Parganas, Angul, Puri, Sambalpur, Palamau, Manbhum and Cooch Behar, and from these reports it would appear that there has been much loss of cattle in Khulna, where the cyclone was severe. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 2nd November 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta .. | 6 6 0 | 6 6 0 | 7 2 0 | 4 12 0 | 4 12 0 | 6 2 0 | 3 8 0 | 3 8 0 | 4 12 0 | 4 6 0 | 4 8 0 | 5 6 0 |
| 2 | Burdwan .. | 5 0 0 | 5 8 0 | 5 14 0 | 4 2 0 | 4 4 0 | 5 8 0 | 3 14 0 | 4 2 0 | 5 0 0 | ... | ... | ... |
| 3 | Midnapore .. | 4 9 6 | 4 13 0 | 6 10 0 | Old. 3 7 0 / New. 3 0 0 } 3 13 6 | | 5 6 0 | Old. 3 5 0 / New. 2 10 0 } 3 6 0 | | 3 14 0 | ... | ... | ... |
| 4 | Patna .. | 6 4 0 | 6 8 0 | 8 8 0 | 3 15 0 | 3 15 0 | 5 4 0 | 3 10 0 | [illegible] 10 0 | 4 8 0 | [illegible] | 6 13 6 | 4 10 0 |
| 5 | Muzaffarpur | 8 0 0 | 8 0 0 | 10 0 0 | ... | 5 0 0 | 6 10 6 | 3 10 0 | [illegible] 0 | 5 0 0 | 4 [illegible] | [illegible] 0 | 5 0 0 |
| 6 | Bhagalpur .. | 6 [illegible] 0 | 6 2 0 | 7 0 0 | 5 0 0 | 5 3 1 | 5 12 0 | 4 3 0 | 4 [illegible] 3 | 5 0 0 | 4 3 0 | 4 3 0 | 4 14 0 |
| 7 | Cuttack . | 6 1 6 | 6 1 6 | 7 3 0 | 3 6 2 | 3 6 2 | 5 5 4 | 3 6 2 | 3 6 2 | 5 1 3 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur ... | [illegible] 0 0 | [illegible] 0 | 5 8 0 | 2 8 0 | 2 14 0 | 3 8 0 | 2 3 6 | 2 8 0 | 3 2 0 | 3 12 0 | 4 0 0 | 5 2 0 |
| 9 | Ranchi ... | 5 0 0 | 5 0 [illegible] | 8 0 0 | 3 14 [illegible] | 3 12 0 | [illegible] 0 0 | 3 5 0 | 3 5 0 | 1 3 0 | 4 13 0 | 4 9 6 | 5 8 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cajan Pea (*Cytisus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 8 0 | 2 10 0 | 4 8 0 | 4 4 0 | 4 4 0 | 5 8 0 | 5 12 0 | 5 12 0 | 5 8 0 | 5 0 0 | 5 0 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 10 0 | 4 8 0 | 6 2 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 0 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 0 0 to 6 4 0 } | 5 4 0 | 5 4 0 | 5 4 0 | Mustard. 5 6 0 to 5 10 0 } / Rapeseed. 5 0 0 to 5 4 0 | Mustard. 5 12 0 / Rapeseed. 5 4 0 to 5 8 0 } | 6 14 0 / 6 4 0 |
| 4 | Patna ... | 1 15 6 | 1 15 6 | 2 14 0 | 3 6 0 | 3 6 0 | 4 10 0 | 5 12 0 | 5 12 0 | 5 12 0 | 4 14 0 | 4 14 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 1 14 6 | 1 14 6 | 3 1 3 | 4 0 0 | 4 0 0 | 5 11 6 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 1 15 0 | 1 15 0 | 3 2 0 | 3 15 0 | 3 15 0 | 5 8 3 | 6 12 0 | 5 9 0 | 5 11 0 | Mustard. 4 12 0 / Rapeseed. 4 14 0 | Mustard. 4 10 0 / Rapeseed. 4 6 0 | 6 3 0 / 6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 6 2 | 3 6 2 | 3 12 11 | ... | ... | ... | 7 0 9 | 7 0 9 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 4 11 0 | 5 0 0 | 6 10 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 7 8 0 |
| 9 | Ranchi .. | ... | ... | ... | 6 0 0 | 6 0 0 | 5 8 0 to 8 0 0 } | 6 0 0 | 8 0 0 | 8 0 0 | 4 12 0 to 5 6 0 } | 5 0 0 to 5 12 0 } | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th October 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 12 0 | 2 12 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | — | — | 3 8 0 | 3 8 0 | 4 12 0 | 1 |
| | ... | — | — | ... | — | ... | — | ... | ... | ... | ... | 3 2 0 | 3 6 0 | 4 14 0 | 2 |
| ... | | | — | ... | — | ... | ... | ... | — | ... | ... | — | ... | 4 8 0 to 5 0 0 | 3 |
| 1 12 0 | 2 1 0 | 3 14 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 4 0 | 2 13 6 | 4 2 0 | 4 |
| 2 8 0 | 2 8 0 | 3 1 3 | — | ... | — | ... | — | ... | 1 12 3 | 1 13 0 | 3 1 3 | 3 1 3 | 3 1 3 | 5 0 0 | 5 |
| 2 13 0 | 3 2 0 | 3 13 0 | ... | ... | ... | ... | ... | ... | — | ... | ... | 2 13 0 | 2 14 0 | 4 14 0 | 6 |
| — | — | ... | — | ... | — | ... | ... | ... | ... | ... | ... | Biri or kalai. 3 5 2 | 3 6 2 | 4 3 4 | 7 |
| ... | — | ... | — | — | ... | — | — | ... | ... | ... | ... | 2 8 0 | 3 3 3 | 5 [illegible] 0 | 8 |
| 4 0 0 | 4 0 0 | ... | — | ... | ... | ... | ... | ... | ... | ... | ... | 3 12 0 | 3 8 0 | 4 14 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 0 0 | 5 0 0 | 6 8 0 | 7 0 0 | 7 0 0 | 5 12 0 | 22 0 0 | 22 0 0 | 18 0 0 | 6 4 0 | 6 0 0 | 6 0 0 | 1 |
| ... | ... | ... | 8 0 0 | 8 4 0 | 6 12 0 | ... | ... | ... | — | — | — | 2 |
| ... | ... | ... | 8 0 0 to 8 4 0 | 8 0 0 | 6 8 0 | 24 0 0 | 24 0 0 | [illegible] 0 to 24 0 0 | — | — | — | 3 |
| 5 4 0 | 5 4 0 | 7 0 0 | 6 4 0 | 6 0 0 | 7 8 0 | 21 0 0 | 21 0 0 | 18 8 0 | ... | ... | ... | 4 |
| ... | ... | ... | 5 11 6 | 5 11 6 | 6 10 6 | — | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 5 2 0 | 6 8 0 | 4 8 0 | 23 12 0 | 23 0 0 | 26 0 0 | ... | — | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| 4 0 0 | ... | 5 8 0 | 6 10 0 | 6 10 0 | 6 10 0 | ... | ... | ... | ... | ... | 5 8 0 | 8 |
| ... | ... | .. | 6 10 0 | 6 4 0 | 7 4 0 | 20 0 0 | 20 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco Leaf. Present return | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 42 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 390 0 0 | 390 0 0 | 400 0 0 |
| 2 | Burdwan ... | 40 0 0 | 40 0 0 | 36 0 0 | ... | ... | ... | ... | ... | ... |
| | | | | | | Madhukhali. | | Uncleaned per piece. | | |
| 3 | Midnapore ... | 39 0 0 to 42 0 0 | 42 0 0 | 38 0 0 to 41 0 0 | 13 0 0 | 14 0 0 | 12 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 | 3 0 0 to 3 12 0 |
| | | | | | | Pulta. | | Cleaned per piece. | | |
| | | | | | 14 0 0 | 15 8 0 | 14 0 0 | 3 8 0 to 4 4 0 | 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 |
| 4 | Patna ... | 37 0 0 | 34 0 0 | 32 0 0 to 35 0 0 | 4 0 0 to 6 0 0 | 4 0 0 to 5 0 0 | 2 8 0 to 5 0 0 | ... | ... | ... |
| 5 | Muzaffarpur ... | 40 0 0 | 40 0 0 | 35 9 0 | 16 0 0 | 16 0 0 | 16 0 0 | ... | ... | ... |
| 6 | Bhagalpur ... | 37 8 0 | 40 0 0 | 39 8 0 | 13 0 0 | 15 0 0 | 10 0 0 | ... | ... | ... |
| 7 | Cuttack ... | 45 11 6 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 38 0 0 | 38 0 0 | 36 4 0 to 37 8 0 | 22 0 0 | 22 0 0 | 16 0 0 | 45 0 0 | 40 0 0 | 30 0 0 |
| | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi ... | 40 0 0 | 35 0 0 | 38 0 0 | 10 0 0 to 18 0 0 | 8 0 0 to 16 0 0 | 10 0 0 to 16 0 0 | 0 8 0 | 0 8 0 | 4 0 0 to 5 0 0 |

| Number. | Marts. | Price per maund of forty standard seers. Iron. Present return. | Next preceding return. | Corresponding return of last year. | Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | Panga. | | | | |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 6 4 0 | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 2 0 0 | 2 0 0 | 2 6 0 |
| 2 | Burdwan ... | ... | ... | ... | 0 9 6 | 0 10 0 | 0 8 6 | 1 10 6 | 1 10 6 | 1 12 0 | Not sold. | | |
| | | | | | | | | | Crushed. | | | | |
| 3 | Midnapore ... | 4 0 0 | 4 0 0 to 4 4 0 | 2 8 0 to 4 0 0 | 0 5 0 | 0 5 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | Not available. | | |
| | | | | | | | | | Panga. | | | | |
| 4 | Patna ... | 3 0 0 to 6 0 0 | 3 0 0 to 5 0 0 | 2 8 0 to 5 0 0 | 0 7 0 | 0 8 0 | 0 7 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 0 0 | 1 6 0 | 1 2 0 |
| | | | | | | | | | Panga. | | | | |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 10 0 0 | 0 4 6 | 0 4 6 | 0 5 3 | 1 14 6 | 1 14 0 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| | | | | | | | | | Panga. | | | | |
| 6 | Bhagalpur ... | 4 0 0 | 4 0 0 | 5 0 0 | 0 5 9 | 0 5 8 | 0 6 6 | 1 14 3 | 1 14 3 | 1 14 0 | 0 6 0 | 0 8 0 | 0 8 0 |
| | | | | | | | | | Karkatch. | | | | |
| 7 | Cuttack ... | 4 12 0 | 4 12 0 | 4 12 0 | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | Not sold. | | |
| | | | | | | | | | Karkatch. | | | | |
| 8 | Sambalpur ... | ... | ... | ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | No sale. | | |
| | | | | | | | | | Panga. | | | | |
| 9 | Ranchi ... | 4 12 0 | 4 12 0 | 6 0 0 | 0 5 0 | 0 5 0 | 0 5 3 | 2 1 0 | 2 1 0 | 2 4 0 | 2 0 0 | 1 8 0 | 3 2 0 |

CALCUTTA,
*The 2nd November 1909.*

*the undermentioned Marts of Bengal on the 15th October 1909*—*concld.*

| Grass. | | | Straw. | | | Juar stalks. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 0 14 0 | 0 14 0 | ... | ... | ... | Calcutta ... | 1 |
| ... | — | — | 0 8 6 | 0 9 0 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | — | ... | 0 6 0 | 0 6 0 | 0 5 0 | — | ... | ... | Midnapore ... | 3 |
| ... | ... | ... | ... | ... | 0 12 0 | ... | ... | ... | Patna ... | 4 |
| — | ... | ... | — | ... | ... | — | — | — | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | .. | ... | — | ... | Bhagalpur ... | 6 |
| 0 8 [illegible] | [illegible] 8 0 | 0 8 0 | [illegible] | 0 9 0 | 0 9 0 | — | — | — | Cuttack ... | 7 |
| ... | ... | — | | ... | ... | ... | — | — | Sambalpur ... | 8 |
| 0 8 0 | 0 4 0 | 0 4 0 | 0 12 0 | 0 12 0 | 1 0 0 | ... | ... | ... | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 12 0 | 1 12 0 | 3 0 0 | 3 12 0 | 3 12 0 | 4 8 0 | 1 8 0 | Elephant brand. 1 8 0 | ... | Calcutta ... | 1 |
| 2 8 0 | 2 12 0 | 3 0 0 | | Not sold. | | 1 10 6 | Elephant brand. 1 1[illegible] | ... | Burdwan ... | 2 |
| ... | ... | 0 6 6 | ... | ... | 5 0 0 | 1 5 6 | [illegible] brand. 1 5 6 | ... | Midnapore ... | 3 |
| 2 4 0 | 2 4 0 | 1 12 0 | | Not sold. | | 1 7 0 | Victoria brand. 1 6 0 | ... | Patna ... | 4 |
| 2 0 0 | 2 0 0 | 2 8 0 | 3 5 3 | 3 5 3 | 4 7 0 | 1 6 0 | 1 8 0 | ... | Muzaffarpur ... | 5 |
| 0 14 0 | 1 0 0 | 2 0 0 | 3 3 0 | 3 2 0 | 4 0 0 | 1 4 9 to 3 4 0 | 1 4 9 to 3 4 0 | ... | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | 0 10 0 | 5 1 4 | 5 1 4 | 5 1 4 | 1 8 6 | Victoria brand. 1 8 6 | ... | Cuttack ... | 7 |
| Not available. | | | Not available. | | | 1 7 6 | Victoria brand. 1 9 0 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | 3 0 0 | 4 7 0 | 3 12 0 | 5 0 0 | 1 8 0 | Cobra brand. 1 9 0 | ... | Ranchi ... | 9 |

N. N. BANERJEI,
for *Director of Agriculture, Bengal, on tour.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 16th October 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 16th October 1909. | | | Week ending Saturday, the 17th October 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 773 | 80,318 | 1,311 | 657 | 81,650 | 1,369 |
| Jute ... ... | 344 | 101,235* | 1,432 | 217 | 70,150† | 999 |
| Firewood ... ... | 57 | 48,850 | 876 | 69 | 67,325 | 1,006 |
| Other articles ... ... | 856 | 240,015 | 2,665 | 849 | 173,194 | 2,038 |
| Total ... | 2,030 | 470,418 | 6,284 | 1,792 | 392,319 | 5,412 |

* Weight by canal measurement, 119,437½ maunds.
† Ditto ditto 78,300 do.

CALCUTTA,
*The 1st November 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 23rd October 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 23rd October 1909. | | | Week ending Saturday, the 24th October 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 391 | [illegible]16 | 570 | 594 | 56,000 | 950 |
| Jute ... ... | 138 | 40,625* | 588 | 266 | 71,640† | 1,210 |
| Firewood ... ... | 8 | 5,100 | 79 | 62 | 59,785 | 892 |
| Other articles ... ... | 548 | 150,524 | 1,505 | 811 | 179,688 | 1,956 |
| Total ... | [illegible] | 231,665 | 2,742 | 1,733 | 367,113 | 5,008 |

* Weight by canal measurement, 49,275 maunds.
† Ditto ditto 84,225 do.

CALCUTTA,
*The 1st November 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 30th October 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 30th October 1909. | | | Week ending Saturday, the 31st October 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 443 | 35,370 | 571 | 522 | 57,740 | 976 |
| Jute ... ... | 263 | 76,305* | 1,085 | 323 | 102,150† | 1,491 |
| Firewood ... ... | 49 | 58,630 | 914 | 70 | 58,950 | 956 |
| Other articles ... ... | 689 | 139,871 | 1,547 | 863 | 197,638 | 2,409 |
| Total ... | 1,444 | 310,176 | 4,117 | 1,778 | 416,478 | 5,832 |

* Weight by canal measurement, 85,112½ maunds.
† Ditto ditto 104,412½ do.

CALCUTTA,
*The 2nd November 1909.*

N. N. CHATTERJI,
for *Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th October 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Oct. | 24th | 140·2 | Instrument report. | 29·832 | 75·7 | 86·5 | 20·7 | 65·8 | 68·8 | 0·612 | 64·7 | 69 | N by W and N | 81 | Nil | Partially cloudy, ◠. |
| ,, | 25th | 145·6 | | ·820 | 75·8 | 84·7 | 16·8 | 67·9 | 70·2 | ·685 | 68·0 | 78 | N and N by W. | 108 | Nil | Partially cloudy, o, ◠. |
| ,, | 26th | 140·2 | | ·808 | 79·8 | 87·7 | 14·9 | 72·8 | 75·3 | ·846 | 74·2 | 83 | N by E and E | 84 | Nil | Partially cloudy, ◠. |
| ,, | 27th | 143·2 | | ·895 | 81·4 | 88·7 | 13·7 | 75·0 | 76·9 | ·820 | 75·4 | 83 | E and ESE ... | 81 | 0·14 | Partially cloudy, ◠. |
| ,, | 28th | 139·2 | | ·920 | 79·9 | 87·2 | 13·6 | 73·6 | 75·8 | ·845 | 74·1 | 82 | ESE and E by S... | 41 | Nil | Partially cloudy, ◠. |
| ,, | 29th | 136·2 | | 902 | 80·3 | 88·5 | 15·4 | 73·1 | 76·2 | ·858 | 74·6 | 82 | E by S and SE by E. | 41 | Nil | Partially cloudy, ◠. |
| ,, | 30th | 137·5 | | ·856 | 82·0 | [illegible] | 16·1 | 74·4 | 76·7 | ·862 | 74·7 | 80 | SE by E and SW by S. | 65 | Nil | Chiefly clear, ◠. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·862 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·871 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | ? |
| The maximum possible number of hours of sunshine ... ... ... | 79·5 |
| The mean temperature of the seven days ... ... ... ... | 79·3 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 79·1 |
| The extreme variation of temperature ... ... ... ... | 24·7 |
| The maximum temperature ... ... ... ... ... | 90·[illegible] |
| | Miles |
| The highest velocity of the wind in one hour ... ... ... | 12 |
| | % |
| The mean relative humidity ... ... ... ... ... | 80 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 77 |
| The total fall of rain from 24th to 30th October 1909 ... ... | 0·14 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 1·47 |
| The total fall from 1st January to 30th October 1909 ... ... ... | 71·37 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 64·35 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

o, overcast ; ◠, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 1st November 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 16th October 1909 on 768 miles open for all descriptions of traffic, and an additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 61,000 | 40,500 0 0 | 412,000 0 | 67,000 0 0 | 7,500 0 0 | 1,15,000 0 0 | 14,050 | 22,133 | 36,183 |
| Or per mile of railway ... ... | 79·43 | 52·73 | 534·37 | 86·90 | 9·73 | 149·36 | 18·29 | 28·71 | 47·00 |
| For previous 15 weeks of half-year ... ... ... ... | 780,085 | 4,86,912 0 0 | 4,651,435 0 | 7,58,793 0 0 | 70,233 0 0 | 13,15,938 0 0 | 201,438 | 300,846 | 502,284 |
| Total for 16 weeks ... | 841,085 | 5,27,412 0 0 | 5,063,435 0 | 8,25,793 0 0 | 77,733 0 0 | 14,30,938 0 0 | 215,488 | 322,979 | 538,467 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 56,553 | 36,132 0 0 | 393,945 0 | 60,046 0 0 | 7,487 0 0 | 1,03,665 0 0 | 13,426 | 21,547 | 34,973 |
| Per mile of railway corresponding week of previous year ... | 73 64 | 47 05 | 510·95 | 77·83 | 9·71 | 134·64 | 17· | 27·95 | 45·43 |
| Total to corresponding date of previous year ... ... ... | 795,626 | 4,76,269 0 0 | 4,664,975 0 | 7,61,404 0 0 | 82,099 0 0 | 13,20,672 0 0 | 237,003 | 313,993 | 550,996 |

### FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 16th October 1909. | | | Receipts for week ending 17th October 1908. | | | Total receipts from 1st April 1909 to 16th October 1909. | | | Total receipts from 1st April 1908 to 17th October 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,15,000 | 149·36 | 771 | 1,03,665 | 134·64 | 771 | 25,74,903 | ... | 771 | 24,22,692 | ... | 1,52,211 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 16th October 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... .. ... | 247,890 | 1,06,780 | 790,210 | (a) 95,990 | (b) 15,690 | 2,18,460 | 59,184 | (c) 30,100 | 89,284 |
| Or per mile of railway ... .. | 132·77 | 57·19 | 423·25 | 51·42 | 8·40 | 117·01 | ..... | ..... | ..... |
| For previous 14½ weeks of half-year (d) ... ... ... | 4,527,630 | 16,08,820 | 11,191,077 | 12,49,568 | 2,57,967 | 31,16,355 | 818,554 | 525,549 | 1,344,103 |
| Total for 15½ weeks ... | 4,775,520 | 17,15,600 | 11,981,287 | 13,45,558 | 2,73,657 | 33,34,815 | 877,738 | 555,649 | 1,433,387 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 240,028 | 1,06,632 | 809,870 | 1,03,256 | 17,605 | 2,27,493 | 61,375 | (e) 36,013 | 97,365 |
| Per mile of corresponding week of previous year ... ... ... | 134·02 | 59·54 | 452·19 | 57·65 | 9·83 | 127·02 | .. | .... | ..... |
| Total to corresponding date of previous year ... ... ... | 4,839,586 | 18,54,031 | 13,303,914 | 15,06,948 | 3,36,221 | 36,91,800 | 934,439 | 588,781 | 1,523,220 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 1·80 | | 3·19 | ·18 | 2·45 | | | |
| Ditto for corresponding week of previous year ... ... | | 1·74 | | 2·87 | ·18 | 2·34 | | | |

(a) Decrease chiefly under foreign inward.
(b) Ditto ditto Sundries.
(c) Includes 4,956 miles of ballast trains.
(d) Ditto audited figures up to August 1909.
(e) Ditto 7,552 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 23rd October 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | (f)490,679 | (f) 2,28,410 0 0 | 2,098,760 0 | (g) 3,54,340 0 0 | 40,420 0 0 | 6,53,170 0 0 | 77,929 | (d)51,257 | 129,186 |
| Or per mile of railway per week | (a)365 | (a)170 0 0 | 1,402 0 | 257 0 0 | (c)11 0 0 | (c)420 0 0 | ... | ... | ... |
| For previous 16 weeks of half-year (e) ... ... ... ... | 7,190,476 | 26,57,921 0 0 | 34,468,361 0 | 56,19,264 0 0 | 5,16,523 0 0 | 87,93,707 0 0 | 1,187,076 | 934,334 | 2,121,410 |
| Total for 17 weeks ... | 7,681,146 | 28,86,331 0 0 | 36,567,121 0 | 60,03,604 0 0 | 5,56,943 0 0 | 94,46,877 0 0 | 1,265,005 | 985,591 | 2,250,596 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 356,962 | 1,67,811 0 0 | 2,048,287 0 | 4,37,165 0 0 | 26,954 0 0 | 6,31,930 0 0 | 74,450 | 58,245 | 132,695 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)292 | (b)137 0 0 | 1,608 0 | 343 0 0 | 2 0 0 | 477 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 7,838,121 | 29,52,[illegible]73 0 0 | 35,502,971 0 | 55,12,983 0 0 | 5,18,559 0 0 | 89,84,315 0 0 | 1,240,313 | 902,105 | 2,142,418 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 23,900.
(d) Includes adjustments for ballast trains, Loco. coal, Sundry earnings, Revenue stores, etc.
(e) Audited up to July 1909.
(f) Increase is due to Doorga Poojah holidays.
(g) Decrease is owing to severe storm on 17th October 1909.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 23rd October 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 48,910 | 14,940 0 0 | 99,220 0 | 8,330 0 0 | 210 0 0 | 23,480 0 0 | 5,795 | (a)2,476 | 8,271 |
| Or per mile of railway per week | 569 | 174 0 0 | 1,154 0 | 97 0 0 | 2 0 0 | 273 0 0 | ... | ... | ... |
| For previous 16 weeks of half-year (b) ... ... ... ... | 655,970 | 1,78,722 0 0 | 1,245,808 0 | 85,2[illegible] 0 0 | 2,991 0 0 | 2,66,914 0 0 | 84,179 | 27,892 | 112,071 |
| Total for 17 weeks ... | 704,880 | 1,93,662 0 0 | 1,345,028 0 | 93,531 0 0 | [illegible],201 0 0 | 2,90,394 0 0 | 89,974 | 30,368 | 120,342 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 36,520 | 12,560 0 0 | 107,515 0 | 9,926 0 0 | 82 0 0 | 22,568 0 0 | 5,656 | 2,076 | 7,732 |
| Per mile of railway corresponding week of previous year ... | 425 | 146 0 0 | 1,250 0 | 115 0 0 | 1 0 0 | 262 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... | 785,170 | 2,14,887 0 0 | 1,428,214 0 | 102,550 0 0 | 3,823 0 0 | 3,21,260 0 0 | 93,798 | 27,487 | 121,285 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 23rd October 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 6,120 | 1,850 0 0 | 22,060 0 | 1,940 0 0 | 20 0 0 | 3,810 0 0 | 519 | (a)2,305 | 2,824 |
| Or per mile of railway ... ... | 182 | 55 0 0 | 657 0 | 58 0 0 | ..... | 113 0 0 | ... | ... | ... |
| For previous 16 weeks of half-year (b) ... ... ... ... | 57,034 | 20,935 0 0 | 300,681 0 | 24,463 0 0 | 254 0 0 | 45,652 0 0 | 7,554 | 29,964 | 37,518 |
| Total for 17 weeks .. | 63,154 | 22,785 0 0 | 322,741 0 | 26,403 0 0 | 274 0 0 | 49,462 0 0 | 8,073 | 32,269 | 40,342 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 4,052 | 1,366 0 0 | 22,564 0 | 2,218 0 0 | 8 0 0 | 3,587 0 0 | 455 | 1,025 | 1,480 |
| Per mile of railway corresponding week of previous year ... | 138 | 41 0 0 | 672 0 | 66 0 0 | ..... | 107 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... ... | 66,676 | 24,279 0 0 | 367,109 0 | 31,584 0 0 | 183 0 0 | 56,046 0 0 | 7,686 | 26,578 | 34,264 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to July 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 23rd October 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 14,030 | 4,050 0 0 | 90,610 0 | 4,810 0 0 | 50 0 0 | 8,910 0 0 | 1,540 | (a) 7[illegible] | 2,316 |
| Or per mile of railway ... ... | 260 | 75 0 0 | 1,678 0 | 89 0 0 | 1 0 0 | 165 0 0 | . | ... | . |
| For previous 16 weeks of half-year (b) ... ... ... ... | 184,585 | 52,904 0 0 | 589,904 0 | 49,874 0 0 | 425 0 0 | 1,03,203 0 0 | 27,170 | 10,164 | 37,334 |
| Total for 17 weeks ... | 198,615 | 56,954 0 0 | 980,514 0 | 54,684 0 0 | 475 0 0 | 1,12,113 0 0 | 28,710 | 10,940 | 39,650 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 14,692 | 4,331 0 0 | 91,757 0 | 4,942 0 0 | 47 0 0 | 9,320 0 0 | 1,978 | 828 | 2,806 |
| Per mile of railway corresponding week of previous year ... | 272 | 80 0 0 | 1,699 0 | 92 0 0 | 1 0 0 | 173 0 0 | . | . | ... |
| Total to corresponding date of previous year ... .. ... | 225,655 | 67,456 0 0 | 948,410 0 | 53,441 0 0 | 435 0 0 | 1,21,482 0 0 | 32,900 | 12,047 | 44,947 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to July 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 23rd October 1909 ... | Coaching | 11,931 0 0 | 27,369 0 0 |
| | Goods | 15,345 0 0 | |
| | Other earnings | 87 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching | 9,757 0 0 | 22,898 0 0 |
| | Goods | 13,044 0 0 | |
| | Other earnings | 97 0 0 | |
| | Increase ... | | 4,465 0 0 |
| Receipts per mile for the week ending 23rd October 1909 ... ... ... ... | | | 536 8 6 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 448 15 8 |
| | Increase ... | | 87 8 10 |
| Receipts from the 1st July to 23rd October 1909 ... ... ... ... ... | | | 3,02,986 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... ... | | | 2,92,990 0 0 |
| | Increase ... | | 9,996 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 3rd November 1909.

REGISTERED No. C 209.]

No. 45 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, NOVEMBER 10, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the Gazette may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.

| | Page |
|---|---|
| Resolution on the Administration Report of the Orissa Ports for the year 1908-09 ... ... ... ... ... | 1683—1684 |
| Weather and Crop Report for the week ending the 8th November 1909 ... .. .. .. ... ... | 1685—1691 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 6th November 1909 ... ... ... ... ... ... | 1691 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 31st October 1909 ... | 1692—1699 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 31st October to 6th November 1909 ... ... ... ... ... ... | 1700 |
| Railway Returns ... ... ... ... ... ... | 1701—1709 |

## RESOLUTION ON THE ADMINISTRATION REPORT OF THE ORISSA PORTS FOR THE YEAR 1908-09.

No. 2590Marine.

### Government of Bengal.

MARINE DEPARTMENT.

*Dated Calcutta, the 4th November 1909.*

RESOLUTION.

Administration Report of the Orissa Ports for the year 1908-09.

READ—

Letter from the Commissioner, Orissa Division, No. 4400., dated the 22nd July 1909, submitting the Report on the Administration of the Orissa Ports for the year 1908-09.

The receipts of the ports during the year amounted to Rs. 8,917-9-7, as compared with Rs. 6,522-3-9 in the previous year. Deducting the Government contribution of Rs. 2,980-5-7, which was sanctioned to meet the deficit of 1907-08, the net total receipts amounted to Rs. 5,937-4.

The port-dues realized during the year amounted to Rs. 5,926-14, as compared with Rs. 6,518-3-9 in the preceding year. There was a decrease of Rs. 1,601 at Cuttack (False Point) and an increase of Rs. 1,144 at Puri. The former is attributed to the late export of rice due to bad crops in the previous year and to the preference given to the Chandbali-Calcutta route, and the latter to the British India Steam Navigation Company having started a weekly passenger steamer service between Rangoon and Puri.

The expenditure during the year amounted to Rs. 17,432-12-3 as compared with Rs. 17,732-5-3 in the preceding year. Comparing the receipts with the expenditure, the net result was that there was a deficit of Rs. 11,495-8-3, which was met by a contribution from Provincial Revenues. The question of bringing the financial position of the Orissa Port Fund into a state of equilibrium is under the consideration of the Government.

2. The value of trade during the year was Rs. 59,87,487, against Rs. 54,45,337 in the preceding year. The increase was due to the importation of a large quantity of Burma rice and paddy during the early part of the year, owing to the prevailing scarcity in the districts of the Orissa Division, and also to the favourable outturn of rice which was exported from Balasore during the latter part of the year. The trade to Balasore was carried on by steamers running under general passes, which entitle them to run for 30 days on payment of port-dues. Consequently the increase in trade did not increase the port-dues.

3. The number of vessels which entered the ports during the year was 173, with an aggregate tonnage of 106,767, as compared with 157, with an aggregate tonnage of 69,550, in the preceding year, the increase being due to the passenger steamers between Rangoon and Puri. There was an increase in the passenger traffic inward in the ports of Chandbali and Puri.

4. The Port Officer of Calcutta, who inspected all the ports and lights during the year, found them to be in a satisfactory condition. The erosion of Shortt's Island on the seaface continues.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 8th November 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Prices of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 9½ | 9½ | Sowing of *rabi* crops and planting of potatoes going on. Prospects of sugarcane and *aman* paddy good. Cattle-disease reported from the Sadar and Shahibganj thanas. Stocks of food-grains, fodder and drinking-water sufficient. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Rainfall at Rampurhat *nil*. *Aus* crops being harvested. Standing crops doing well. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | Nil | [illegible] | 11 | Weather seasonable. Sowing of *rabi* crops in progress. Rain wanted in places for *aman* paddy. No apprehension of famine. Fodder and water sufficient. No cattle-disease. Condition of agricultural stock fair. |
| 4 | MIDNAPORE | Nil | 9 | 9 | Rainfall at Contai 0·74 inch. Weather seasonable. Preparation of lands for sowings of tobacco, late cotton, linseed, rape and mustard continuing. Outturn of jute estimated at 80 per cent. in the Contai and Tamluk subdivisions. Prospects of autumn rice and *bhadoi* crops fair. Cattle-disease in thanas Hijli, Nayagram and Salbani. Fodder and water sufficient. Common rice selling at 14 seers per rupee at Contai, at 9 seers at Tamluk and at 11½ seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 9½ | 9 | Weather seasonable. Prices of food-grains almost stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Lands being ploughed for *rabi* crops. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | Nil | 9 | 9 | Weather seasonable. Harvesting of *aus* paddy and steeping of jute nearly over. Winter paddy outside the flooded tracts doing well. Fields being prepared for *boro* paddy. No cattle-disease reported. Fodder and water sufficient. Common rice selling at 9½ to 10 seers per rupee at Ulubaria. |
| 7 | 24-PARGANAS | Nil | 9 | 8½ | Weather seasonable. Prospects good. Common rice selling at 8 seers a rupee at Barasat, at 10 seers at Basirhat, at 11 seers at Diamond Harbour. Report from Barrackpore not received. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | Nil | 10½ | 10 11/16 | Rainfall at Kushtia 0·47, at Meherpur 0·57, at Chuadanga 0·35 and at Ranaghat 0·0[illegible] inch. Prospects of standing crops good. Sowing of *rabi* crops continuing. Prices of staple food-grains risen. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from Meherpur, Karimpur and Mirpur thanas. |
| 9 | MURSHIDABAD | 0·06 | 11 | 11 | Weather seasonable. Condition of mulberry and sugarcane good. Prospects of winter rice fair. Cultivation of *rabi* crops and potatoes continuing. No cattle-disease. Fodder and water sufficient. Agricultural stock and food-grains sufficient. |
| 10 | JESSORE | Nil | 11¼ | 11 9/16 | Weather seasonable. Condition of standing crops fair. Steeping and washing of jute nearly finished. Stocks of food-grains and fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 9 | 9 | Weather rather hot. Prices stationary. Prospects of *aman* paddy good but slightly damaged by cyclone. No cattle-disease reported. |
| 12 | PATNA | Nil | 11¼<br>20* | 11<br>20* | Weather seasonable. Paddy on high lands being irrigated. Condition of standing crops good. Sugarcane pressing commenced. *Rabi* crops being sown. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Nawbatpur and Asthawan. |
| 13 | GAYA ... | Nil | 11¼<br>18 15/16* | 11<br>18 11/16* | Weather seasonable. Standing crops doing well. Sowing of *rabi* crops continuing. Fodder and water for cattle ample. Cattle-disease reported from two thanas in the Sadar subdivision. |
| 14 | SHAHABAD ... | Nil | 10<br>18* | 10½<br>18* | Standing crops doing well. Sowing of *rabi* crops in progress. Harvesting of early paddy commenced in places. Prices of food-grains stationary. Food-stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | Nil | 12<br>20* | 12<br>19* | Weather seasonable. *Rabi* sowings going on. Paddy attaining maturity. Prices of staple food-grains stationary. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock good. |
| 16 | CHAMPARAN ... | Nil | 12<br>20¾* | 12<br>21* | *Rabi* sowings going on. Condition of agricultural stock good. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 12<br>21* | 11½<br>20½* | Weather still hot in the day. Prospects of all standing crops excellent. *Rabi* sowings in progress. Common rice and *makai* selling at 21 and 22½ seers a rupee respectively at Sitamarhi and at 10½ and 18½ seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported in thanas Sonbersa, Pupri, Shiuhar and Belsund. |
| 18 | DARBHANGA ... | Nil | 13 3/16†<br>20⅞* | 12⅝†<br>19 15/16* | Weather seasonable. Prospects of standing crops good. *Rabi* sowings in progress. Upland paddy crops being irrigated. Food-stocks, fodder and water sufficient. Cattle-disease reported from two villages in Banipati thana. Common rice (average quality) selling at 9 5/16 seers a rupee at Sadar. *Makai* selling at 20⅞ seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 10<br>20* | 9½<br>20* | Weather seasonable. Nights becoming cooler. Winter paddy and other standing crops doing very well. Sowing of *rabi* crops continuing. Fodder and water sufficient. No cattle-disease reported. |
| 20 | BHAGALPUR ... | Nil | 9½<br>20¼* | 9½<br>20¼* | Weather seasonable. Present condition and prospects of standing crops good. Lands being ploughed for sowing of *rabi* crops. Rain wanted for upland paddy crops. Fodder and water sufficient. No apprehension of famine at all. Condition of agricultural stock good. Stocks of food-grains sufficient. Few cases of cattle-disease reported from Madhipura. |
| 21 | PURNEA ... | Nil | 12 | 12 | Weather seasonable. Standing crops doing well. *Rabi* ploughings and sowings in full swing. Cattle-disease reported from Kadwa and Raniganj thanas. Fodder and water sufficient. Common rice selling at 12 and 10 seers per rupee at Araria and Kishanganj respectively. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district | Rainfall at Sadar station | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | Nil | 8<br>16* | 8<br>16* | Weather seasonable. Hills—*Bara marua, chota marua,* winter rice and oilseeds growing. *Bhado* paddy being harvested. Terai—*Rabi* crops being sown. Standing crops doing well. Stocks of food-grains sufficient. Prices stationary. |
| 23 | SONTHAL PARGANAS. | ... | 12½<br>20* | 12½<br>20* | Weather clear. Harvesting of winter paddy commenced. Prospects of standing crops excellent. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Outturn of jute poor. Cattle-disease reported from Deoghur and Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 13 5/32† | 11 13/16 | *Saradh* paddy ripening. Sugarcane being harvested. Fodder and water sufficient. Cattle-disease reported from the Kendrapara and Banki subdivisions. — |
| 25 | BALASORE ... | Nil | 16 | 16 | Rainfall at Bhadrak 0·35 inch. Weather seasonable. *Laghu saradh* paddy ripening. *Guru saradh* paddy in ear. Sugarcane thriving. Sowing of *rabi* crops continuing and thriving at places. Vegetables doing well. Condition of cattle good. Fodder and water sufficient. Coarse rice selling at 15 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | Nil | 16 13/16 | 16 17/32 | Weather seasonable. Prospects of crops good. Harvesting of *biri* commenced. Condition of agricultural stock good. Cattle-disease reported. Common rice selling at 12 seers a rupee in the Khondmals. |
| 27 | PURI ... | 0·71 | 10 13/16 | 10 13/16 | Rainfall at Khurda *nil*. *Saradh* paddy in ear in some places. *Laghu* paddy being harvested. Sugarcane thriving well. *Kulthi* and mustard being sown. Cotton in flower and pod. Fodder and water sufficient. Cattle-disease in Dundimal and Banpur Chaklas. Common rice selling at 14 7/16 seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 16 | 16 | Reaping and threshing of autumn rice continuing and of winter rice commenced. Harvesting of *mung* and *til* and pressing of sugarcane commenced in the Bargarh Tahsil. Condition of sugarcane, cotton, *til, mung* and *kulthi* good and of winter rice fair. Outturn of *urid* estimated at 16 annas and of autumn rice at 10 annas in the Sadar Tahsil. Food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, foot-and-mouth disease reported. Common rice (average quality) selling at 15 seers a rupee at Sambalpur. The cheapest rice selling at 16⅞ seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 9<br>20* | 10½<br>19* | Weather seasonable. *Rabi* crops being sown. Standing crops in good condition. Cattle-disease in one thana. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 30 | RANCHI ... | Nil | 12 | 11 | Weather clear and seasonable. Harvesting of winter paddy continuing. State of standing crops good. No cattle-disease. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 10 1/16† | 11¾† | Weather seasonable. *Rabi* crops doing well but rain wanted in places. Paddy harvesting commenced. Fodder and water sufficient. Some cattle-disease reported. |
| 32 | MANBHUM ... | Nil | 14† | 12 | Weather seasonable. State of standing crops good. Harvesting of paddy on high lands continuing. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Common rice selling at 10½ seers per rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 11 | 10 | Weather seasonable. Harvesting of early paddy going on. State of standing crops good. Condition of cattle good. Fodder and water sufficient. Common rice selling at 13½ and 14 seers a rupee at Seraikella and Kharsawan respectively. |
| 34 | COOCH BEHAR | Nil | 8 | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Prices of staple food-grains almost stationary. Cattle-disease still reported from Tufanganj. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State — Rainfall in inches.<br>Athgarh ... 0·67<br>Athmallik ... 0·85<br>Bai[illegible] ... 0·47<br>Baramba ... 1·76<br>Baud ... 0·60<br>Daspalla ... 2·60<br>Dhenkanal ... 1·05<br>Hindol ... 2·64<br>Kalahandi ... 0·92<br>Keonjhar ... 0·37<br>Mayurbhanj ... 0·34<br>Narsinghpur ... 1·36<br>Nayagarh ... 2·55<br>Nilgiri ... 0·31<br>Patna ... 0·12<br>Ranpur ... 2·02<br>Sonpur ... 0·28<br>Talchar ... 0·80<br>Weather seasonable. Harvesting of early winter paddy in progress in Athmallik, Baud, Daspalla, Dhenkanal, Kalahandi, Keonjhar, Mayurbhanj, Narsinghpur, Pallahara, Rairakhol, Ranpur and Talchar. Estimated outturn of *beali* paddy—14 annas in Athgarh and 16 annas in Keonjhar, Mayurbhanj, Nayagarh and Nilgiri. Standing crops doing well. Prospects of late paddy good: rain of the week most beneficial to *rabi* crops, which are flourishing. Prospects generally good. Fodder and water sufficient. During the week, price of rice fallen in 6 States and stationary in the remaining States: price varying from 14 seers in Nilgiri and Narsinghpur and 15 seers in Rairakhol and Athmallik to 21 seers in Patna and 32 seers in Bonai. |

* The report is for the week ending the 30th October 1909.
† New rice.

GENERAL SUMMARY.—There were light showers in parts of Midnapore, Nadia, Murshidabad, Balasore and Puri. There was no rain in the rest of the Province. Paddy on high lands is being irrigated in Patna and Darbhanga and more rain is wanted for high land paddy in Bankura and Bhagalpur and for *rabi* crops in Palamau. Sowings of *rabi* crops are in progress. Harvesting of early winter paddy has commenced in Shahabad, the Sonthal Parganas, Puri, Sambalpur, Ranchi, Palamau, Manbhum and Singhbhum. Prospects of the crop are on the whole good. The price of common rice has risen in Nadia, Jessore, Shahabad, Hazaribagh and Palamau and has fallen in Hooghly, the 24-Parganas, Patna, Gaya, Muzaffarpur, Darbhanga, Monghyr, Cuttack, Ranchi, Manbhum and Singhbhum. Cattle-disease is reported from Burdwan, Midnapore, Nadia, Patna, Gaya, Muzaffarpur, Darbhanga, Bhagalpur, Purnea, the Sonthal Parganas, Cooch Behar and from the Orissa and Chota Nagpur Divisions, excepting Balasore, Ranchi and Singhbhum. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 9th November 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 6th November 1909, compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 6th November 1909. | | | Week ending Saturday, the 7th November 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 510 | 47,153 | 7[illegible] | 552 | 68,855 | 1,069 |
| Jute ... ... | 325 | 2[illegible]5* | 1,361 | 412 | 108,282† | 1,817 |
| Firewood ... ... | 47 | 47,245 | 709 | 58 | 54,860 | 840 |
| Other articles ... ... | 682 | 157,520 | 1,662 | 815 | 172,646 | 2,227 |
| Total ... | 1,564 | 336,423 | 4,491 | 1,837 | 404,643 | 5,953 |

* Weight by canal measurement t, 139,275 maunds.
† Ditto ditto 120,587½ do.

CALCUTTA,
*The 9th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan | ... | ... | ... | ... | ... | ... | 9 12 | 9 14 | 7 [illegible] | 10 0 | 10 4 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum | 9 0 | 10 0 | 7 8 | ... | ... | ... | 10 8 | 10 8 | 7 8 | 10 8 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura | 9 0 | 9 0 | 7 8 | ... | ... | ... | 10 0 | 10 0 | 9 0 | 11 0 | 11 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore | 8 0 | 8 0 | 8 0 | ... | ... | ... | New not sold / Old 10 8 | New 13 12 / Old 11 2 | 7 8 | New 13 2 / Old 11 [illegible] | New 14 7 / Old 11 13 | 9 11 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly | ... | ... | ... | ... | ... | ... | 7 0 | 7 0 | 6 2 | 8 8 | [illegible] 8 | 7 7 | ... | ... | ... | | ... | ... |
| | 6 | Howrah | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 8 | [illegible] 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas | Not obtainable | | 7 8 | ... | ... | ... | 9 0 | 8 8 | 6 12 | 9 8 | 9 4 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta | 8 0 | 9 0 | 7 0 | 16 0 | 13 0 | 10 0 | 8 0 | 8 0 | 6 6 | 10 8 | 10 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia | 8 0 | 8 0 | 7 12 | 11 12 | [illegible] 0 | 12 0 | [illegible] 0 | 8 9 | 6 4 | 10 13 | 11 9 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad* | ... | 10 4 | 8 0 | .. | 21 8 | 12 0 | ... | 11 0 | 7 0 | ... | 11 8 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore | 6 8 | 6 8 | 6 6 | 8 [illegible] | 8 [illegible] | 8 | 10 10 | 10 10 | 8 0 | 14 0 | New 14 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna | ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 9 0 | 12 0 | 12 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna | 10 8 | 10 8 | 8 0 | 19 0 | 20 0 | 12 12 | 10 0 | 10 0 | 7 4 | 11 2 | 11 0 | 8 4 | Not sold | 14 0 | ... | ... | ... | ... |
| | 14 | Gaya | 9 12 | 10 0 | 7 8 | 15 12 | 15 14 | 11 0 | 10 4 | 9 4 | 6 8 | 11 4 | 10 9 | 6 12 | ... | ... | 9 0 | ... | ... | ... |
| | 15 | Shahabad | 11 0 | 10 8 | [illegible] | 17 0 | 16 0 | 11 0 | Not reported. | | 7 0 | 10 8 | 10 4 | 7 12 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran | 10 0 | 10 0 | [illegible] 0 | 17 0 | 16 0 | 12 0 | 8 8 | 8 4 | 7 0 | 12 0 | 12 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran | 9 8 | 9 8 | 7 8 | 21 0 | 21 0 | 12 0 | 11 8 | 10 8 | 8 0 | 12 0 | 13 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 12 0 | 8 0 | 8 0 | 6 0 | 11 8 | 11 0 | 8 4 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga | 9 14 | 9 14 | 7 11 | 14 4 | 14 4 | 11 0 | 9 14 | 9 14 | 6 9 | 12 10 | 12 10 | 7 11 | ... | ... | ... | ... | ... | ... |

* Report not received.

*Station Bazars of the districts of Bengal on the 31st October 1909.*

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHOLA, KADALAY OR CHIKAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CAJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 8 12 | ... | ... | ... | 9 12 | 8 12 | 6 8 | 20 0 | 20 8 | 21 0 | 1 12 0 | Panga. 1 10 6 | 1 12 0 | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 7 8 | ... | ... | ... | 7 8 | 7 12 | 6 0 | 14 0 | 18 0 | 19 0 | 2 1 0 | Karkatch. 2 0 0 | 2 0 0 | 2 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | | ... | 9 8 | 9 8 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 [illegible] | {6 0 to 7 0} | ... | ... | ... | 8 0 | 8 0 | 6 0 | 21 0 | Crushed. 21 0 | 20 0 | 1 [illegible]2 0 | Crushed. 1 [illegible]2 0 | 1 12 0 | 4 |
| ... | ... | ... | ... | ... | ... | 8 8 | [illegible] 12 | 5 12 | ... | ... | ... | 8 0 | 8 0 | 5 10 | 20 0 | 20 0 | 20 0 | 1 1[illegible] 0 | Panga. 1 14 0 | 2 0 0 | 5 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 7 0 | 20 0 | 20 0 | 16 0 | [illegible] 8 0 | Panga. 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | ... | ... | ... | 11 0 | 12 0 | 8 8 | ... | ... | ... | 9 8 | 9 0 | 7 8 | 22 8 | 22 8 | 24 0 | 1 12 0 | Panga. 1 12 0 | 1 12 6 | 7 |
| ... | ... | ... | 10 0 | 10 0 | 7 4 | 12 0 | 11 0 | 8 0 | 14 0 | 14 0 | 8 10 | 9 0 | 9 0 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | ... | ... | ... | ... | ... | 13 14 | 13 0 | 7 12 | ... | ... | ... | 7 2 | [illegible] 0 | 6 4 | 20 0 | 16 0 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 1 14 0 | 9 |
| ... | ... | ... | ... | ... | ... | .. | 16 0 | 8 0 | ... | ... | ... | ... | 14 8 | 7 0 | ... | 21 0 | 21 0 | ... | Panga. 1 14 0 | 1 14 0 | 10 |
| ... | ... | ... | .. | ... | ... | 1[illegible] 12 | 11 4 | 8 0 | ... | .. | ... | [illegible] 12 | 11 4 | 8 0 | 21 0 | 21 0 | 21 0 | 1 12 0 | 1 12 | 1 14 0 | 11 |
| ... | ... | ... | ... | ... | ... | 10 0 | 10 0 | 8 0 | ... | ... | ... | 5 8 | 5 8 | 6 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 0 0 | 12 |
| Not sold. | ... | 13 4 | ... | ... | ... | 15 0 | 14 0 | 9 0 | 20 0 | 19 0 | 12 12 | 12 0 | 11 8 | 8 0 | 19 0 | 19 8 | 19 0 | 2 0 0 | 2 0 0 | 2 0 0 | 13 |
| 15 6 | 16 14 | 12 0 | 13 5 | 12 5 | 9 0 | 13 1 | 12 6 | 8 8 | 18 9 | 18 11 | 12 0 | 9 15 | 11 6 | 7 8 | 20 8 | 21 12 | 19 8 | 1 14 3 | 1 9 0 | 2 1 0 | 14 |
| .. | ... | ... | ... | 1[illegible] ... | ... | 15 0 | 14 8 | 9 0 | 18 0 | 17 8 | 13 0 | 11 0 | 10 8 | 8[illegible] | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| 16 0 | 18 0 | ... | 12 0 | ... | ... | 13 8 | {13 4 to 15 0} | 9 0 | 19 0 | 20 0 | 12 12 | 12 0 | {11 0 to 1[illegible]} | [illegible] | [illegible] 0 | 21 0 | 20 8 | 1 13 0 | Panga. 1 13 0 | 1 15 0 | 16 |
| 22 0 | 21 0 | 15 8 | .. | ... | ... | 15 0 | 15 0 | 9 4 | 21 0 | 22 0 | 13 8 | 10 8 | 10 8 | 8 0 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 22 8 | 22 8 | 12 0 | ... | ... | ... | 1[illegible] 0 | 13 0 | 8 0 | 20 8 | 21 0 | 12 0 | 10 0 | 10 0 | 7 8 | 21 0 | 21 0 | 19 0 | 1 14 6 | Panga. 1 14 6 | 2 0 0 | 18 |
| 24 3 | 25 4 | 12 1 | ... | ... | ... | 13 3 | 13 3 | 7 11 | 19 3 | 20 14 | 12 1 | 9 14 | 8 12 | 7 11 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 8 | 2 0 8 | 19 |

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Division. | 20 | Monghyr ... | 11 0 | 10 12 | 8 8 | 13 8 | 13 12 | 10 8 | 9 8 | 10 8 | 6 9 | 10 0 | 11 12 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 9 8 | 9 8 | 8 2 | 12 8 | 14 0 | 11 6 | 7 14 | 7 13 | 6 14 | 10 0 | 9 8 | 8 2 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | ... | 8 8 | 7 0 | ... | ... | ... | ... | 9 8 | 6 8 | ... | 11 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 23 | Darjeeling | [illegible] 0 | 6 0 | 5 8 | 8 0 | 8 0 | 6 8 | 6 0 | 6 8 | 6 0 | 8 8 | 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| | 24 | South Parganas. | [illegible] 0 | 9 0 | 7 0 | 13 0 | 13 0 | 9 0 | 10 8 | 10 5 | 7 8 | 12 8 | 12 6 | [illegible] 0 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Division. | 25 | Cuttack .. | 9 6 | 9 6 | 7 14 | ... | ... | ... | 11 13 | 11 13 | 7 11 | 11 13 | 11 13 | 7 14 | ... | ... | ... | ... | ... | ... |
| | 26 | Balasore ... | 7 8 | 7 8 | 7 8 | ... | ... | ... | 14 0 | 13 0 | 8 4 | 16 0 | 16 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | ... | ... | 5 0 | ... | ... | ... | 16 13 | 16 12 | New 11 0 | Old 16 13 New 21 0 | 21 0 | New 11 0 | ... | ... | ... | ... | ... | ... |
| | 28 | Puri ... | 7 14 | 8 8 | 6 14 | ... | ... | ... | 10 13 | 9 3 | 7 14 | 11 13 | 11 13 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 29 | Sambalpur... | 10 0 | 10 0 | 7 [illegible] | ... | ... | ... | 15 0 | 15 0 | 9 12 | 16 0 | 17 0 | 10 8 | ... | ... | ... | ... | ... | ... |
| CHOTA NAGPUR. | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 0 | 8 0 | 7 0 | 12 [illegible] | 12 0 | 9 0 | 10 8 | 10 8 | 8 0 | 11 0 | 11 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 31 | Ranchi ... | 8 8 | 8 4 | 6 12 to 7 4 | 10 0 | 10 0 | 8 0 | 12 0 | 10 4 | 8 4 | 13 0 | 12 0 | 10 0 | ... | ... | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | 9 9 | 7 9 | ... | ... | 10 2 | 6 12 | 7 14 | 6 8 | Old 9 0 New 11 4 | Old 9 0 New 11 4 | 7 14 | ... | ... | ... | ... | ... | ... |
| | 33 | Manbhum .. | 8 8 | 8 0 | 7 0 | 10 0 | 10 0 | 12 0 | 10 12 | 10 0 | 7 0 | 12 0 | 12 0 | 9 8 | ... | ... | ... | 12 0 | 12 0 | ... |
| | 34 | Singhbhum | 9 0 | 8 0 | [illegible] | [illegible] | ... | ... | 10 0 | 10 0 | 7 0 | 12 0 | 12 0 | 9 0 | ... | ... | ... | ... | ... | ... |

... Report not received.

CALCUTTA,
*The 8th November 1909.*

*Station Bazars of the districts of Bengal on the 31st October 1909*—concld.

SEERS OF EIGHTY TOLAHS

| Marua or Ragi (*Eleusine Coracana*) | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chhola, Kalai, or Sunai (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dal*) or Thur, Cajan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| ... | ... | ... | ... | ... | ... | 13 12 | 14 11 | 9 0 | 1 0 | 21 0 | 12 8 | 10 0 | 10 0 | 7 4 | 21 0 | 21 0 | 21 0 | 1 14 0 | 1 14 0 | 2 0 0 | 20 |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| ... | ... | ... | ... | ... | ... | 12 8 | 14 0 | 8 14 | 20 0 | 20 4 | 12 8 | 10 0 | 10 2 | 7 9 | 20 0 | 20 0 | 20 0 | 1 15 0 | 1 14 3 | 1 14 0 | 21 |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| ... | ... | ... | ... | ... | ... | ... | 11 0 | 7 0 | ... | New. 26 0 | 11 4 | ... | 8 0 | 5 5 | ... | 17 12 | 16 0 | ... | 2 1 0 | 2 [illegible] 0 | 22 |
| | | | | | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | 9 0 | 9 0 | 0 | 16 0 | 16 0 | 1 0 | 6 0 | 6 0 | 5 4 | 14 0 | 14 0 | 13 8 | 2 12 0 | 2 12 0 | 2 14 0 | 23 |
| | | | | | | | | | | | | | | | | | | | | | |
| 10 8 | 11 0 | 11 0 | ... | ... | ... | 11 0 | [illegible] | 8 0 | 20 0 | 22 8 | 2 0 | 9 0 | 9 0 | 6 0 | 16 0 | 16 0 | 16 0 | 2 8 0 | [illegible] 0 | 2 8 0 | 24 |
| | | | | | | | | | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | Karkatch. | | | |
| | | | | | | Biri or kalai. 11 13 | 11 13 | 9 8 | .. | ... | | 11 13 | 11 13 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 | 1 7 0 | 1 13 0 | 25 |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| ... | ... | ... | ... | ... | ... | Chhola. 10 8 | 10 8 | 8 0 | .. | ... | | 7 8 | 7 8 | 6 8 | 22 0 | 22 0 | 21 0 | 1 12 0 | 1 12 0 | 1 14 0 | 6 |
| | | | | | | Biri. 10 8 | 10 8 | 9 2 | | | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | Karkatch. | | | |
| | | | | | | Biri. 16 13 | 12 13 | 7 0 | ... | ... | .. | 16 1 | 12 13 | 7 0 | 16 12 | 16 12 | 13 0 | 2 0 0 | 2 0 0 | 2 14 0 | 27 |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | | | | |
| | | | | | | Biri. 10 13 | 10 13 | 7 3 | .. | | | 7 14 | 8 [illegible] | 6 3 | 26 0 | 26 0 | 26 0 | 1 9 0 | 1 9 0 | 1 9 0 | |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | Karkatch. | | | |
| | | | | | | 14 0 | 15 0 | 7 0 | ... | .. | | 8 [illegible] | 8 0 | 5 5 | 16 0 | [illegible] 0 | 16 0 | 2 4 0 | 2 4 0 | 2 4 0 | 29 |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| | | | | | | 11 8 | 11 8 | 8 0 | 19 0 | 20 0 | 2 0 | 8 0 | 8 0 | 6 8 | [illegible] 0 | 12 0 | 16 0 | 2 4 0 | 2 4 0 | 2 8 0 | 30 |
| | | | | | | | | | | | | | | | | | | Panga. | | | |
| 23 0 | 22 0 | 14 8 | ... | ... | ... | ... | 10 8 | 8 0 | 20 0 | 22 [illegible] | 2 0 | 7 8 | 6 8 | [illegible] 0 to 7 0 | 18 0 | 18 0 | 17 0 | 2 2 6 | 2 1 0 | 2 4 0 | 31 |
| 26 0 | ... | 20 0 | ... | ... | ... | ... | | | | | | | | | | | | | | | |
| | | | | | | 11 4 | 10 2 | 8 5 | 16 14 | ... | 3 8 | 10 2 | 10 2 | 7 14 | 20 4 | 18 9 | 20 4 | ... | ... | ... | 32 |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | Panga. | | | |
| | | | | | | 11 0 | 11 0 | 7 0 | 18 0 | 16 0 | Not sold | 8 0 | 8 8 | 7 0 | 18 0 | 18 0 | 16 0 | 2 0 0 | 2 0 0 | 2 2 0 | 33 |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | Panga. | | | |
| | | | | | | 10 0 | 10 0 | 7 8 | ... | .. | ... | 9 0 | 9 0 | 6 8 | [illegible] 0 | 18 0 | 16 0 | 2 0 0 | 2 0 0 | 2 2 0 | 4 |
| ... | ... | ... | ... | ... | ... | | | | | | | | | | | | | | | | |

Published for general information.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 6 0 | 6 6 0 | 7 2 0 | 4 12 0 | 4 12 0 | 6 2 0 | 3 8 0 | 3 8 0 | 4 12 0 | 4 10 0 | 4 6 0 | 5 8 0 |
| 2 | Burdwan .. | 5 0 0 | 5 0 0 | 6 4 0 | 4 4 0 | 4 2 0 | 5 4 0 | 4 0 0 | 3 14 0 | 5 0 0 | | ... | — |
| 3 | Midnapore ... | 4 13 0 | 4 9 6 | 6 8 0 | Old. 3 10 0 New. 3 2 0 | Old. 3 7 0 New. 3 0 0 | 5 6 0 | Old. 3 9 0 New. 2 14 0 | Old. 3 5 0 New. 2 10 0 | 3 14 0 | ... | ... | — |
| 4 | Patna | 6 4 0 | 6 4 0 | 9 0 0 | 3 15 0 | 3 15 0 | 5 8 0 | 3 8 6 | [illegible] 0 0 | 4 12 0 | 3 12 0 | 3 12 [illegible] | 4 12 0 |
| 5 | Muzaffarpur | 8 0 0 | 8 0 0 | 10 0 0 | Not reported. | | 6 10 6 | 3 8 [illegible] | 3 10 0 | 4 13 9 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur .. | 6 5 0 | 6 6 0 | 7 0 0 | 5 0 0 | 5 0 0 | 5 14 0 | 3 15 0 | 4 3 0 | 4 14 0 | 4 3 0 | [illegible] 0 | 4 14 0 |
| 7 | Cuttack .. | 6 1 6 | 6 1 6 | 7 3 0 | 3 6 2 | 3 6 2 | 5 5 4 | 3 6 2 | 3 6 2 | 5 1 3 | 4 6 0 | 4 6 0 | 5 1 3 |
| 8 | Sambalpur ... | 5 0 0 | 5 0 0 | 5 12 0 | 2 8 0 | 2 8 0 | 4 0 0 | 2 5 9 | 2 3 6 | 3 12 0 | 3 13 0 | 3 12 0 | 5 6 0 |
| 9 | Ranchi ... | 5 0 0 | 5 0 0 | 6 8 0 to 8 0 0 | 3 [illegible] 0 | 3 14 [illegible] | 4 14 0 | 3 0 0 | 3 5 0 | 4 0 0 | 4 9 0 | 4 13 0 | 5 8 0 to 6 0 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 8 0 | 2 8 0 | 4 8 0 | 4 4 0 | 4 4 0 | 5 8 0 | 6 0 0 | 5 12 0 | 5 8 0 | 5 4 0 | 5 0 0 | 6 12 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 12 0 | 4 10 0 | 5 8 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 4 0 |
| 3 | Midnapore ... | ... | ... | [illegible] | [illegible] | ... | 6 0 0 | 5 4 0 | 5 4 0 | 5 4 0 | Black Mustard. 5 8 0 / 5 6 0 to 5 10 0 / 6 14 0; Rapeseed. 5 2 0 / 5 0 0 to 5 4 0 / 6 4 0 | | |
| 4 | Patna ... | 1 15 0 | 1 15 6 | 3 1 0 | 3 4 6 | 3 6 0 | 4 14 0 | 7 4 0 | 5 12 [illegible] | 6 0 0 | 5 0 0 | 4 14 0 | 7 4 0 |
| 5 | Muzaffarpur ... | 1 15 3 | 1 14 6 | 3 5 3 | 4 0 0 | 4 0 0 | 5 5 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur .. | 2 0 0 | 1 15 0 | 3 2 0 | 4 0 0 | 3 15 0 | 5 5 0 | 5 11 0 | 6 12 0 | 5 10 0 | Mustard. 4 4 0 / 4 12 0 / 6 5 0; Rapeseed. 5 0 0 / 4 14 0 / 6 8 0 | | |
| 7 | Cuttack .. | ... | ... | ... | 3 6 2 | 3 6 2 | 3 12 11 | ... | ... | ... | 7 0 9 | 7 0 9 | 6 13 0 |
| 8 | Sambalpur .. | ... | ... | ... | 4 11 0 | 4 11 0 | 6 10 0 | ... | ... | ... | 4 8 0 | 4 8 0 | 7 4 0 |
| 9 | Ranchi .. | ... | ... | ... | 5 4 0 | 6 0 0 | 5 12 0 to 8 0 0 / 6 4 0 | 6 0 0 | 8 0 0 | 4 14 0 to 5 4 0 | 4 12 0 to 5 6 0 | 8 0 0 | |

*the undermentioned Marts of Bengal on the 31st October 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 4 0 | 2 12 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | — | — | 3 4 0 | 3 8 0 | 4 12 0 | 1 |
| — | ... | | — | ... | ... | ... | — | ... | ... | ... | ... | 3 2 0 | 3 2 0 | 4 12 0 | 2 |
| ... | ... | | — | ... | — | ... | ... | ... | — | ... | .. | — | ... | 5 4 0 to 5 8 0 | 3 |
| 2 1 0 | 1 15 0 | 3 1 0 | ... | ... | ... | ... | ... | ... | ... | ... | 2 15 0 | 2 10 0 | [illegible] 4 0 | 4 6 0 | 4 |
| 2 8 0 | 2 8 0 | 3 5 3 | — | .. | | — | — | ... | 1 12 3 | 1 12 3 | 3 5 3 | 3 1 3 | 3 1 3 | 5 0 0 | 5 |
| 3 3 0 | 2 [illegible] | 3 8 0 | ... | .. | — | ... | ... | ... | — | . | ... | 3 3 0 | 2 13 0 | 4 8 0 | 6 |
| | | | | | | | | | | | | Biri or kalai. | | | |
| — | — | . | ... | ... | — | ... | ... | ... | ... | ... | ... | 3 6 2 | 3 6 2 | 4 3 4 | 7 |
| ... | — | ... | — | — | . | — | — | — | ... | .. | ... | 2 10 6 | 2 8 0 | 5 6 0 | 8 |
| 4 0 0 | 4 0 0 | 5 0 0 | ... | ... | ... | ... | ... | ... | .. | .. | ... | 3 12 0 | 3 12 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 0 0 | 6 8 0 | 7 0 0 | 7 0 0 | 5 12 0 | 21 0 0 | 22 0 0 | 18 0 0 | 6 4 0 | 6 4 0 | 6 0 0 | 1 |
| ... | ... | ... | 8 0 0 | 8 0 0 | 6 4 0 | ... | ... | ... | — | ... | ... | 2 |
| ... | ... | ... | 8 0 0 | 8 0 0 to 8 4 0 | 6 12 0 | 25 0 0 | 24 0 0 | 21 0 0 to 22 0 0 | — | — | ... | 3 |
| 5 0 0 | 5 4 0 | 7 8 0 | 5 8 0 | 6 4 0 | 6 0 0 | 25 8 0 | 21 0 0 | 19 0 0 | ... | ... | ... | 4 |
| — | ... | ... | 5 11 6 | 5 11 6 | 6 10 6 | ... | ... | ... | ... | ... | ... | 5 |
| ... | ... | ... | 5 8 0 | 5 2 0 | 4 8 0 | 23 0 0 | 23 12 0 | 20 12 0 | ... | - | ... | 6 |
| 6 8 0 | 6 8 0 | 6 8 0 | 5 11 5 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | — | ... | 7 |
| 4 0 0 | 4 0 0 | 5 8 0 | 6 12 0 | 6 10 0 | 6 10 0 | ... | ... | ... | ... | ... | 5 8 0 | 8 |
| ... | ... | ... | 5 4 0 | 6 10 0 | 8 0 0 | 23 0 0 | 20 0 0 | 21 4 0 | ... | ... | ... | 9 |

[Continued overleaf

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta | 42 0 0 | 42 0 0 | 42 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 390 0 0 | 390 0 0 | 400 0 0 |
| 2 | Burdwan | 39 0 0 | 40 0 0 | 36 0 0 | ... | ... | ... | ... | ... | ... |
| | | | | | | Madhukhali. | | Uncleaned per piece. | | |
| 3 | Midnapore | 39 0 0 to 42 0 0 | 39 0 0 to 42 0 0 | ... | 13 0 0 | 13 0 0 | 12 8 0 | 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| | | | | | | Pulta. | | Cleaned per piece. | | |
| | | | | | 14 0 0 | 14 0 0 | 15 0 0 | 3 8 0 to 4 4 0 | 3 8 0 to 4 4 0 | 3 4 0 to 5 0 0 |
| 4 | Patna | 32 0 0 to 37 0 0 | 37 0 0 | 33 0 0 to 35 0 0 | 4 0 0 to 6 0 0 | 4 0 0 to 6 0 0 | 2 8 0 to 5 0 0 | ... | ... | ... |
| 5 | Muzaffarpur | 40 0 0 | 40 0 0 | 33 10 6 | 16 0 0 | 16 0 0 | 16 ... | . | ... | — |
| 6 | Bhagalpur | 36 0 0 | 37 8 0 | 40 0 0 | 13 0 0 | 13 0 0 | 10 0 0 | .. | ... | ... |
| 7 | Cuttack | 46 11 6 | 45 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur | 37 8 0 | 38 0 0 | 36 4 0 to 37 8 | 22 0 0 | 22 0 0 | 26 0 0 | 45 0 0 | 45 0 0 | 32 0 0 |
| | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi | 37 0 0 | 40 0 0 | 35 4 0 | 18 0 0 | 10 0 0 to 18 0 0 | 10 0 0 to 16 0 0 | 0 9 0 | 0 8 0 | 3 12 0 to 4 12 0 |

| Number. | Marts. | Price per maund of forty standard seers. Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta | 0 8 0 | 0 [illegible] | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 1 14 0 | 2 0 0 | 2 4 0 |
| 2 | Burdwan | 0 9 0 | 0 9 6 | 0 8 0 | 1 12 0 | 1 10 6 | 1 12 0 | | Not sold. | |
| | | | | | | Crushed. | | | | |
| 3 | Midnapore | 0 5 0 | 0 5 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | | Not available. | |
| 4 | Patna | 0 6 6 | 0 7 0 | 0 7 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 5 0 | 1 6 0 | 1 2 0 |
| 5 | Muzaffarpur | 0 4 6 | 0 4 6 | 0 5 3 | 1 14 6 | 1 14 6 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur | 0 5 10 | 0 5 9 | 0 6 6 | 1 15 0 | 1 14 3 | 1 14 0 | 0 8 0 | 0 6 0 | 0 8 0 |
| | | | | | | Karkatch. | | | | |
| 7 | Cuttack | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | | Not sold. | |
| 8 | Sambalpur | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | | No sale. | |
| 9 | Ranchi | 0 5 0 | 0 5 0 | 0 5 3 | 2 2 6 | 2 1 0 | 2 4 0 | 1 12 0 | 2 0 0 | 2 8 0 |

CALCUTTA,

[illegible] November 1909.

*the undermentioned Marts of Bengal on the 31st October 1909*—concld.

| Grass. | | | Straw. | | | Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 0 14 0 | 0 14 0 | 6 0 0 | 6 0 0 | 6 4 0 | Calcutta ... | 1 |
| ... | — | — | 0 8 6 | 0 8 6 | 0 8 0 | — | — | — | Burdwan ... | 2 |
| ... | | ... | 0 6 0 | 0 6 0 | 0 5 0 | 4 0 0 | 4 0 0 | 2 8 0 to 4 0 0 | Midnapore ... | 3 |
| ... | ... | ... | ... | ... | 0 12 0 | 3 0 0 to 5 0 0 | 3 0 0 to 6 0 0 | 2 8 0 to 5 0 0 | Pat[illegible] ... | 4 |
| ... | ... | ... | ... | ... | ... | 8 0 0 | 8 0 0 | 10 0 0 | Muz[illegible]pur ... | 5 |
| | ... | — | ... | ... | | 4 0 0 | 4 0 0 | 4 12 0 | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | Sambalpur ... | 8 |
| 0 6 0 | 0 6 0 | 0 4 0 | 0 12 0 | 0 12 0 | 0 12 0 | 4 4 0 | 4 12 0 | 6 0 0 | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| | | | | | | Eleph[illegible] brand. | | | | |
| 2 3 0 | 1 12 0 | 3 0 0 | 3 12 0 | 3 12 0 | 4 8 0 | 1 8 0 | 1 [illegible] 0 | ... | Calcutta ... | 1 |
| | | | | | | [illegible] brand. | | | | |
| 2 9 0 | 2 8 0 | 3 8 0 | | Not sold. | | 1 10 [illegible] | 1 10 6 | ... | Burdwan ... | 2 |
| | | | | | | Cobra brand. | | | | |
| ... | ... | 0 6 6 | ... | ... | 5 0 0 | 1 5 6 | 1 5 6 | ... | Midnapore ... | 3 |
| | | | | | | Victoria brand. | | | | |
| 2 4 0 | 2 4 0 | 1 14 0 | | Not sold. | | 1 6 6 | 1 7 0 | ... | Patna ... | 4 |
| | | | | | | Victoria brand. | | | | |
| 2 0 0 | 2 0 0 | 2 13 3 | 3 3 3 | 3 5 3 | 4 7 0 | 1 6 0 | 1 6 0 | ... | Muzaffarpur ... | 5 |
| | | | | | | Swan brand. | | | | |
| 1 4 0 | 0 14 0 | 2 0 0 | 3 3 0 | 3 3 0 | 4 0 0 | 1 4 9 | 1 4 9 | ... | Bhagalpur ... | 6 |
| | | | | | | Snowflake brand. | | | | |
| | | | | | | 3 4 0 | 3 4 0 | | | |
| | | | | | | Victoria brand. | | | | |
| 0 10 0 | 0 10 0 | 0 10 0 | 5 1 4 | 5 1 4 | 5 1 4 | 1 8 6 | 1 8 6 | ... | Cuttack ... | 7 |
| | | | | | | Victoria brand. | | | | |
| Not available. | | | Not available. | | | 1 7 9 | 1 7 6 | ... | Sambalpur ... | 8 |
| | | | | | | Cobra brand. | | | | |
| 3 0 0 | 3 0 0 | 3 0 0 | 4 0 0 | 4 7 0 | 5 8 0 | 1 8 0 | 1 9 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 31st October to 6th November 1909.**

| Month | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | | Inches. | ° | ° | ° | ° | ° | Inch. | | | | | Inches. | |
| Oct. | 31st | 144·3 | No instrument report. | 29·848 | 82·2 | 89·3 | 13·3 | 76·0 | 77·5 | 0·912 | 76·5 | 86 | SW by S and ENE | 41 | Nil | Partly cloudy. |
| Nov. | 1st | 133·4 | | ·873 | 79·5 | 87·7 | 15·2 | 72·5 | 72·9 | ·715 | 69·2 | 70 | ENE, WNW and N by W. | 42 | Nil | Chiefly clear. |
| ,, | 2nd | 141·7 | | ·850 | 79·4 | 89·9 | 19·9 | 70·0 | 71·7 | ·680 | 67·7 | 69 | WNW and N by E | 62 | Nil | Chiefly clear. |
| ,, | 3rd | 137·4 | | ·868 | 77·6 | 86·7 | 17·1 | 69·6 | 72·8 | ·741 | 70·3 | 77 | N by E and N by W. | 61 | Nil | Chiefly clear. |
| ,, | 4th | 138·0 | | ·876 | 77·5 | 87·6 | 19·1 | 68·5 | 71·7 | ·705 | 68·8 | 76 | N by W and N ... | 55 | Nil | Chiefly clear. |
| ,, | 5th | 137·1 | | ·881 | 77·0 | 87·2 | 19·2 | 68·0 | 70·7 | ·666 | 67·1 | 72 | WNW and N by W. | 46 | Nil | Chiefly clear. |
| ,, | 6th | 140·[illegible]2 | | ·867 | 76·6 | 87·6 | 20·8 | 66·8 | 69·1 | ·616 | 64·9 | 70 | N by [illegible] and N ... | 50 | Nil | Chiefly clear. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·85[illegible] |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·916 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | ? |
| The maximum possible number of hours of sunshine ... ... ... | 78·6 |
| The mean temperature of the seven days ... ... ... ... | 78·5 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 78·3 |
| The extreme variation of temperature ... ... ... ... | 23·1 |
| The maximum temperature ... ... ... ... ... | 89·9 |
| | Inches. |
| The highest velocity of the wind in one hour ... ... ... | 8 |
| | % |
| The mean relative humidity ... ... ... ... ... | 74 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 74 |
| The total fall of [illegible] from 31st October to 6th November 1909 ... ... | Nil |
| The average fall of the [illegible]nding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·38 |
| The total fall from 1st January to 6th November 1909 ... ... | 71·37 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 64·73 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

, dcw.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 8th November 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

## BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of July 1909, compared with the corresponding period in 1908*

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 18 | ..... | 30 | ..... | 12 | ..... | ..... | ..... | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 5,030 | ..... | 3,912 | ..... | ..... | ..... | 1,118 | ..... | |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... | 151 | ..... | 554 | ..... | 403 | ..... | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Twist and yarn. European | 9 | ..... | 12 | ..... | 3 | ..... | ..... | ..... | |
| (b) Twist and yarn. Indian ... | 391 | ..... | 702 | ..... | 311 | ..... | ..... | ..... | |
| (c) Piece-goods European | 684 | ..... | 934 | ..... | 250 | ..... | ..... | ..... | |
| (d) Piece-goods Indian ... | 182 | ..... | 266 | ..... | 84 | ..... | ..... | ..... | |
| (e) Others ... | 11 | ..... | 20 | ..... | 9 | ..... | ..... | ..... | |
| IV.—Chemicals, excepting saltpetre | 186 | ..... | 111 | ..... | ..... | ..... | 75 | ..... | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 12 | ..... | 22 | ..... | 10 | ..... | ..... | ..... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 5 | ..... | 11 | ..... | 6 | ..... | ..... | ..... | |
| (b) Others ... | 1,343 | ..... | 1,744 | ..... | 401 | ..... | ..... | ..... | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 7 | ..... | 11 | ..... | 4 | ..... | ..... | ..... | |
| 2. Cutch ... | 20 | ..... | 20 | ..... | ..... | ..... | ..... | ..... | |
| 3. Indigo ... | ..... | ..... | 2 | ..... | 2 | ..... | ..... | ..... | |
| 4. Myrabolams ... | 5 | ..... | 11 | ..... | 6 | ..... | ..... | ..... | |
| 5. Tanning barks ... | 122 | ..... | 4 | ..... | 4 | ..... | ..... | ..... | |
| 6. Turmeric ... | 37 | ..... | 106 | ..... | ..... | ..... | 16 | ..... | |
| 7. Others ... | | | 40 | ..... | 3 | ..... | ..... | ..... | |
| VII.—Feeding— | | | | | | | | | |
| 1. Oilcake ... | 877 | ..... | 677 | ..... | ..... | ..... | 200 | ..... | |
| 2. Hay, straw and grass ... | 701 | ..... | 488 | ..... | ..... | ..... | 213 | ..... | |
| VIII.—Fruits and vegetables, fresh | 2,168 | ..... | 1,067 | ..... | ..... | ..... | 1,101 | ..... | |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 12,062 | ..... | 10,769 | ..... | ..... | ..... | 1,293 | ..... | |
| 2. Jawar and bajra ... | 519 | ..... | 872 | ..... | 353 | ..... | ..... | ..... | |
| 3. Rice in the husk ... | 5,090 | ..... | 2,230 | ..... | ..... | ..... | 2,860 | ..... | |
| 4. Rice not in the husk | 11,193 | ..... | 15,708 | ..... | 4,515 | ..... | ..... | ..... | |
| 5. Wheat ... | 2,440 | ..... | 8,170 | ..... | 5,730 | ..... | ..... | ..... | Demand for export. |
| 6. Wheat-flour ... | 173 | ..... | 282 | ..... | 109 | ..... | ..... | ..... | |
| 7. Makai ... | 1,974 | ..... | 4,098 | ..... | 2,124 | ..... | ..... | ..... | Demand for Tirhut. |
| 8. Others ... | 6,078 | ..... | 9,601 | ..... | 3,523 | ..... | ..... | ..... | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... | 476 | ..... | 491 | ..... | 15 | ..... | ..... | ..... | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Raw ... | 203 | ..... | 392 | ..... | 189 | ..... | ..... | ..... | |
| XI.—Horns ... | 6 | ..... | 4 | ..... | ..... | ..... | 2 | ..... | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 11 | ..... | 197 | ..... | 186 | ..... | ..... | ..... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... | 376 | ..... | 82 | ..... | ..... | ..... | 294 | ..... | |
| 2. Gunny-bags and cloth | 1,088 | ..... | 1,137 | ..... | 55 | ..... | ..... | ..... | |
| XIV.—Lac ... | 187 | ..... | 221 | ..... | ..... | ..... | ..... | ..... | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... | 12 | ..... | 17 | ..... | 5 | ..... | ..... | ..... | |
| 2. Wrought, excepting boots and shoes. | 21 | ..... | 11 | ..... | ..... | ..... | 10 | ..... | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... | 4 | ..... | 4 | ..... | ..... | ..... | ..... | ..... | |
| 2. Wines and spirits of all kinds, including country spirit. | 19 | ..... | 101 | ..... | 82 | ..... | ..... | ..... | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought ... | 41 | ..... | 69 | ..... | 28 | ..... | ..... | ..... | |
| 2. " wrought ... | 46 | ..... | 67 | ..... | 21 | ..... | ..... | ..... | |
| 3. Copper, unwrought ... | ..... | ..... | 4 | ..... | 4 | ..... | ..... | ..... | |
| 4. " wrought ... | 12 | ..... | 7 | ..... | ..... | ..... | 5 | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 15 | ..... | 14 | ..... | ..... | ..... | 1 | ..... | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 372 | ..... | 381 | ..... | 9 | ..... | ..... | ..... | |
| (b) Machinery and mill-work. | 62 | ..... | 71 | ..... | 9 | ..... | ..... | ..... | |
| (c) Other manufactures, including hardware and cutlery. | 293 | ..... | 331 | ..... | 38 | ..... | ..... | ..... | |
| 6. Metallic ores ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 7. Others ... | 219 | ..... | 191 | ..... | ..... | ..... | 28 | ..... | |

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substances— | | | | | | | | | |
| 1. Marble and stone ... | 3,030 | ..... | 1,478 | ..... | ..... | ..... | 1,552 | ..... | |
| 2. Chalk and lime ... | 376 | ..... | 1,431 | ..... | 1,055 | ..... | ..... | ..... | |
| 3. Others ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine ... ... ... | 2,688 | ..... | 4,166 | ..... | 1,478 | ..... | ..... | ..... | |
| 2. Castor ... ... ... | 211 | ..... | 54 | ..... | ..... | ..... | 157 | ..... | |
| 3. Cocoanut ... ... ... | 3 | ..... | 1 | ..... | ..... | ..... | 2 | ..... | |
| 4. Mustard and rape ... | 40 | ..... | 130 | ..... | 90 | ..... | ..... | ..... | |
| 5. Others ... ... ... | 49 | ..... | 141 | ..... | ..... | ..... | ..... | ..... | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor ... ... ... | 1,022 | ..... | 920 | ..... | ..... | ..... | 102 | ..... | |
| 2. Earthnuts ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Linseed ... ... ... | 9,715 | ..... | 10,750 | ..... | 1,035 | ..... | ..... | ..... | |
| 4. Poppy ... ... ... | 655 | ..... | 565 | ..... | ..... | ..... | 90 | ..... | |
| 5. Rape and mustard ... | 2,006 | ..... | 6,473 | ..... | 4,467 | ..... | ..... | ..... | Improved crop and demand. |
| 6. Til or jinjili ... ... | 74 | ..... | 84 | ..... | 10 | ..... | ..... | ..... | |
| 7. Others ... ... ... | 729 | ..... | 587 | ..... | ..... | ..... | 142 | ..... | |
| XXI.—Opium ... ... ... | 24 | ..... | 26 | ..... | 2 | ..... | ..... | ..... | |
| XXII.—Paper and Pasteboard ... | 290 | ..... | 292 | ..... | 2 | ..... | ..... | ..... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts ... | 53 | ..... | 55 | ..... | 2 | ..... | ..... | ..... | |
| 2. Ghee ... ... ... | 133 | ..... | 251 | ..... | 118 | ..... | ..... | ..... | |
| 3. Others ... ... ... | 1,811 | ..... | 1,294 | ..... | ..... | ..... | 517 | ..... | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) Others ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXV.—Salt ... ... ... ... | 7,450 | ..... | 10,880 | ..... | 3,430 | ..... | ..... | ..... | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre ... ... | 500 | ..... | 426 | ..... | ..... | ..... | 74 | ..... | |
| 2. Other saline substances | 176 | ..... | 214 | ..... | 38 | ..... | ..... | ..... | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | 1 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian .. ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts ... | 190 | ..... | 215 | ..... | 25 | ..... | ..... | ..... | |
| 2. Cardamoms ... | 1 | ..... | 2 | ..... | 1 | ..... | ..... | ..... | |
| 3. Chillies ... ... ... | 169 | ..... | 152 | ..... | ..... | ..... | 17 | ..... | |
| 4. Ginger ... ... ... | 31 | ..... | 59 | ..... | 28 | ..... | ..... | ..... | |
| 5. Pepper ... ... ... | 32 | ..... | 52 | ..... | 20 | ..... | ..... | ..... | |
| 6. Others ... ... ... | 114 | ..... | 226 | ..... | 112 | ..... | ..... | ..... | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 149 | ..... | 793 | ..... | 544 | ..... | ..... | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 2,487 | ..... | 1,519 | ..... | ..... | ..... | 968 | ..... | Failure of sugar-cane crop. |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 3,931 | ..... | 2,347 | ..... | ..... | ..... | 1,584 | ..... | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... ... | 2 | ..... | 5 | ..... | 3 | ..... | ..... | ..... | |
| XXXI.—Tobacco— | | | | | | | | | |
| 1. Unmanufactured ... | 5,324 | ..... | 3,108 | ..... | ..... | ..... | 2,214 | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Other sorts ... | 40 | ..... | 72 | ..... | 32 | ..... | ..... | ..... | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought ... | 1,499 | ..... | 2,497 | ..... | 998 | ..... | ..... | ..... | |
| 2. Logs ... ... ... | 495 | ..... | 1,156 | ..... | 661 | ..... | ..... | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. Manufactures ... ... | 389 | ..... | 404 | ..... | 15 | ..... | ..... | ..... | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw ... ... ... | 5 | ..... | 6 | ..... | 1 | ..... | ..... | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs ... | 1 | ..... | 1 | ..... | ..... | ..... | ..... | ..... | |
| (b) (c) Piece-goods { European | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) (c) Piece-goods { Indian | 9 | ..... | 26 | ..... | 17 | ..... | ..... | ..... | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Indigo-seed ... ... | 27 | ..... | 20 | ..... | ..... | ..... | 7 | ..... | |
| 2. Firewood ... ... | 878 | ..... | 1,674 | ..... | 796 | ..... | ..... | ..... | |
| 3. Others, not specified above. | 2,532 | ..... | 4,670 | ..... | 2,138 | ..... | ..... | ..... | |
| Total ... | 1,04,384 | ..... | 1,25,478 | ..... | 35,737 | ..... | 14,643 | ..... | |

GORAKHPUR, *the 6th November 1909.*

ILLEGIBLE,
for *Chief Auditor.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 16th October 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. (b) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 519,546 | 5,17,781 0 0 | 67,86,544 0 | 10,77,580 0 0 | 35,137 0 0 | 16,30,498 0 0 | 658,694 | 171,871 | 330,565 |
| Or per mile of railway ... | ..... | 225 13 5 | ..... | 470 0 3 | 15 5 3 | 711 2 11 | ..... | ..... | ..... |
| For previous 14½ weeks of half-year | 7,183,537* | 60,68,014 0 0* | 8,47,47,371 0† | 1,30,43,075 0 0 | 5,78,134 0 0‡ | 1,96,89,223 0 0 | §2,310,502 | §2,370,552 | 4,681,054 |
| Total for 15½ weeks ... | 7,703,083 | 65,85,795 0 0 | 9,15,33,915 0 | 1,41,20,655 0 0 | 6,13,271 0 0 | 2,13,19,721 0 0 | 2,469,196 | 2,542,423 | 5,011,619 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 428,469 | 4,08,844 11 6 | 74,60,685 10 | 11,63,702 11 0 | 33,474 11 5 | 16,06,022 2 5 | 164,326 | 215,456 | 379,782 |
| Per mile of railway corresponding week of previous year. | ..... | 178 5 7 | ..... | 507 10 . | 14 9 8 | 700 9 6 | ..... | ..... | .... |
| Total for corresponding 15½ weeks of previous year | 7,759,762 | 66,50,760 7 1 | 11,10,16,305 0 | 1,62,87,408 12 4 | 6,54,750 7 5 | 2,35,02,919 10 10 | 2,510,669 | 3,344,171 | 5,854,840 |

(a) The increase is chiefly due to "*Pitripukh Mela*" and Durga Pujah Holiday concession.
(b) The decrease is chiefly in coal and general merchandise.

* Deducted No. of passengers 12,598 and Rs. 79,143
† Added Mds. 20,28,298 and " 1,04,532
‡ Deducted " 53,521
§ Audited figures up to August 1909.

} On account of difference between the Approximate and Audited figures for the month of August 1909.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rs. A. P. |
| 2,292·65 | For the month of July ... | 2,235,290 | 18,66,432 | 2,57,85,647 | 41,08,948 | 1,78,265 | 62,43,645 | 2,723 | 1,493,513 | 4 4 3 |
| 2,292·65 | " " of Aug. ... | 2,144,211 | 17,96,901 | 2,57,94,940 | 31,63,416 | 1,55,607 | 56,17,924 | 2,451 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 4 days of Sept ... | 277,646 | 2,31,759 | 31,48,650 | 4,54,699 | 27,503 | 7,18,868 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th " ... | 468,237 | 3,99,830 | 57,19,[illegible] | 9,61,172 | 48,009 | 13,04,003 | 569 | 324,053 | 4 0 5 |
| 2,292·65 | " " 18th " ... | 473,912 | 3,71,938 | 59,02,173 | 9,12,116 | 45,000 | 13,34,054 | 584 | 331,095 | 4 0 9 |
| 2,292·65 | " " 25th " ... | 491,488 | 4,03,081 | 56,15,649 | 9,14,241 | 45,254 | 13,47,581 | 593 | 321,933 | 4 6 0 |
| 2,292·65 | " " 2nd Oct. ... | 572,326 | 4,79,924 | 64,19,665 | 9,96,441 | 40,234 | 15,16,019 | 631 | 328,133 | 4 9 11 |
| 2,292·65 | " " 9th " ... | 520,387 | 5,28,744 | 62,72,625 | 10,33,133 | 40,254 | 16,02,130 | 699 | 332,557 | 4 15 6 |
| 2,292·65 | " " 16th " ... | 519,546 | 5,17,781 | 67,86,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 340,565 | 4 14 11 |
| | Totals up to date ... | 7,703,083 | 65,85,795 | 9,15,33,915 | 1,41,20,655 | 6,13,271 | 2,13,19,721 | 603 | 5,011,619 | 4 4 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.*

| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,512 | 19,51,779 | 3,13,67,198 | 46,57,933 | 1,80,144 | 67,83,855 | 2,963 | 1,687,563 | 4 0 5 |
| 2,292·38 | " " of Aug. ... | 2,165,[illegible]07 | 18,03,317 | 3,29,17,766 | 46,48,813 | 1,03,702 | 66,44,832 | 2,899 | 1,674,985 | 3 15 0 |
| 2,292·38 | First 5 days of Sept. ... | 325,135 | 2,74,412 | 55,27,251 | 7,91,275 | 39,202 | 10,95,949 | 478 | 271,836 | 4 0 0 |
| 2,292·38 | Week ended 12th " ... | 530,581 | 4,24,069 | 69,17,422 | 9,99,014 | 39,054 | 14,62,127 | 634 | 375,639 | 3 14 3 |
| 2,292·38 | " " 19th " ... | 486,167 | 4,16,699 | 69,9[illegible]093 | 10,12,348 | 50,9[illegible]4 | 15,00,02[illegible] | 654 | 374,784 | 4 1 10 |
| 2,292·38 | " " 26th " ... | 448,824 | 4,71,378 | 68,54,959 | 10,57,923 | 46,0[illegible] | 15,65,9[illegible] | 683 | 374,446 | 4 2 11 |
| 2,292·38 | " " 3rd Oct. ... | 505,308 | 4,75,904 | 65,98,018 | 10,04,768 | 45,[illegible] | 15,24,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | " " 10th " ... | 459,959 | 4,04,311 | 64,88,929 | 9,61,822 | 35,[illegible] | 14,0[illegible],449 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | " " 17th " ... | 428,469 | 4,08,844 | 74,60,685 | 11,63,703 | 33,474 | [illegible] | 701 | 379,782 | 4 4 8 |
| | Totals up to date ... | 7,759,762 | 66,50,760 | 11,10,16,305 | 1,62,87,409 | [illegible] | 2,35,02,920 | 661 | 5,854,840 | 4 0 6 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 16th October 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 22,630 | 4,501 0 0 | 24,356 0 | 961 0 0 | 8 0 0 | 5,470 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 202 10 6 | ... | 43 4 4 | 0 5 9 | 246 4 7 | ... | ... | ... |
| For previous 14½ weeks of half-year | †306,657 | 171,013 0 0 | *4,78,525 0 | *10,168 0 0 | ‡177 0 0 | 81,358 0 0 | §19,300 | §2,298 | 21,598 |
| Total for 15½ weeks ... | 329,287 | 75,514 0 0 | 5,02,881 0 | 11,129 0 0 | 185 0 0 | 86,8[illegible]8 0 0 | 20,637 | 2,457 | 23,094 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 21,796 | 4,610 12 11 | 26,071 10 | 676 10 0 | 1 12 3 | 5,481 3 2 | 1,338 | 160 | 1,498 |
| Per mile of railway corresponding week of previous year ... ... | ... | 207 9 8 | ... | 30 7 6 | 0 1 3 | 247 2 5 | ... | ... | ... |
| Total for corresponding 15½ weeks of previous year ... ... ... | 352,549 | 80,736 10 9 | 6,31,120 30 | 8,764 4 0 | 104 2 3 | 89,605 1 0 | 21,190 | 2,541 | 23,731 |

* Added No. of passengers 2,448 and Rs. 1,237
† Do. Mds. 2,42,358 " " 2,778
‡ Deducted " " 26
§ Audited figures up to August 1909.

} On account of difference between the approximate and audited figures for the month of August 1909.

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| 22·21 | Month of July .. | 105,236 | 24,203 | 77,616 | 2,398 | 65 | 26,568 | 1,193 | 6,642 | 4 0 0 |
| 22·21 | ,, ,, August ... | 80,930 | 18,549 | 2,96,923 | 4,500 | 34 | 23,083 | 1,039 | 6,622 | 3 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,779 | 3,965 | 3,661 | 133 | 8 | 4,106 | 185 | 854 | 4 14 11 |
| 22·21 | Week ended 11th ,, ... | 22,819 | 4,838 | 33,665 | 761 | 14 | 5,613 | 253 | 1,499 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,817 | 4,668 | 33,474 | 813 | 14 | 5,495 | 247 | 1,49[illegible] | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,374 | 405 | 14 | 4,196 | 189 | 1,4[illegible] | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. .. | 21,514 | 4,750 | 17,260 | 539 | 14 | 5,323 | 240 | 1,[illegible] | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 609 | 14 | 6,974 | 314 | 1,[illegible] | 4 10 7 |
| 22·21 | ,, ,, 16th ,, ... | 22,630 | 4,591 | 24,351 | 961 | 8 | 5,470 | 246 | 1,[illegible]6 | 3 10 6 |
| | Totals up to date ... | 329,287 | 75,514 | 5,[illegible]2,881 | 11,120 | 183 | 83,928 | 253 | 2[illegible],094 | 3 12 2 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,388 | 1,310 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, August ... | 87,449 | 20,919 | 1,01,442 | 1,383 | 35 | 22,339 | 1,006 | 6,846 | 3 4 3 |
| 22·21 | First 5 days of Sept. ... | 13,283 | 3,428 | 53,493 | 594 | 4 | 3,806 | 174 | 1,199 | 3 2 7 |
| 22·21 | Week ended 12th ,, ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,525 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 1,43,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,480 | 48,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,384 | 13,965 | 602 | 5 | 6,941 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, 10th ,, ... | 23,199 | 5,130 | 1,19,206 | 1,111 | 13 | [illegible],254 | 293 | 1,493 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, ... | 21,796 | 4,611 | 23,971 | 877 | 1 | [illegible],489 | 247 | 1,498 | 3 10 8 |
| | Totals up to date ... | 352,549 | 80,738 | 6,31,121 | 8,763 | 104 | ..... | 259 | 23,731 | 3 12 5 |

Sleeps[illegible] of st[illegible] con[illegible]

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 16th October 1909, on 162·36 miles.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 24,737 | 23,490 0 0 | 293,154 0 | 23,090 0 0 | 107 0 0 | 46,606 0 0 | 110,328 | 3,190 | 113,518 |
| Or per mile of railway ... ... | ..... | 144 10 10 | .. | 141 11 5 | 0 10 7 | 287 0 10 | ... | ... .. | ... |
| For previous 14½ weeks of half-year | 410,169* | 3,26,791 0 0* | 2,481,790 0 | 1,92,780 0 0† | 1,747 0 0‡ | 5,21,318 0 0 | 146,58 § | 43,432§ | 190,012 |
| Total for 15½ weeks ... | 434,906 | 3,50,281 0 0 | 2,775,944 0 | 2,15,789 0 0 | 1,854 0 0 | 5,67,924 0 0 | 156,908 | 46,622 | 203,530 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 24,453 | 21,500 2 1 | 302,371 10 | 19,747 15 0 | 75 10 3 | 41,323 11 4 | 12,388 | 4,881 | 17,269 |
| Per mile of railway corresponding week of previous year. | ..... | 132 6 9 | ..... | 121 10 1 | 0 7 6 | 254 8 4 | ... .. | ..... | ..... |
| Total for corresponding 15½ weeks of previous year. | 416,455 | 3,18,620 11 2 | 3,546,887 3[illegible] | 2,45,168 14 5 | 709 11 6 | 5,64,499 5 1 | 134,157 | 68,670 | 2 2,827 |

* Deducted No. of passengers 2,143 and ... 1,913
† Added Mds. 94,844 and ... 6,914
‡ Deducted ... ... ... ... 32
} On account of difference between the approximate and audited figures for the month of August 1909.
§ Audited figures up to August 1909.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July | 1,1,940 | 1,03,184 | 722,957 | 51,045 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| *162·36 | ,, ,, of Aug. ... | 123,7 7 | 1,00,166 | 736,097 | 59,545 | 475 | 1,60,1·6 | 987 | 54,345 | 2 11 11 |
| 162·36 | First 4 days of Sept. | 14,737 | 11,159 | 82,431 | 5,858 | 68 | 17,085 | 105 | 7,468 | 2 4 6 |
| 162·36 | Week ended 11th ,, ... | 33,553 | 23,8·3 | 169,804 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 131,563 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 25,512 | 17,432 | 170,107 | 13,582 | 130 | 31,174 | 193 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. .. | * 6,3,4 | 21,054 | 205,633 | 18,949 | 130 | 40,133 | 247 | 13,380 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 22,834 | 201,088 | 19,344 | 130 | 43,212 | 266 | 13,616 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, .. | 24,737 | 23,450 | 253,154 | 24,909 | 107 | 46,603 | 287 | 13,518 | 3 7 2 |
| | Totals up to date ... | 434,906 | 3,50,281 | 2,775,944 | 2,15,789 | 1,854 | 5,67,924 | 227 | 203,530 | 2 12 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July .. | 138,760 | 94,528 | 950,656 | 63,934 | 171 | 1,58,633 | 977 | 71,346 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 126,667 | 91,535 | 888,338 | 64,140 | 164 | 1,55,839 | 960 | 70,452 | 2 3 2 |
| 162·36 | First 5 days of Sept. .. | 19,530 | 15,451 | 112,121 | 8,862 | 41 | 24,354 | 150 | 11,518 | 2 1 10 |
| 162·36 | Week ended 12th ,, .. | 22,701 | 19,222 | 194,727 | 14,924 | 29 | 34,179 | 211 | 15,918 | 2 1 4 |
| 162·36 | ,, ,, 19th ,, .. | 20,571 | 17,880 | 236,042 | 15,188 | 30 | 33,098 | 204 | 16,436 | 2 0 8 |
| 162·36 | ,, ,, 26th ,, .. | 20,910 | 17,433 | 239,810 | 16,2 0 | 75 | 33,740 | 208 | 15,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. .. | 24,945 | 22,376 | 266,788 | 18,344 | 61 | 40,781 | 251 | 16,844 | 2 6 9 |
| 162·36 | ,, ,, 10th ,, .. | 22,895 | 18,734 | 316,904 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, .. | 24,453 | 21,500 | 302,372 | 19,748 | 76 | 41,324 | 255 | * 17,269 | 2 6 8 |
| | Totals up to date .. | 416,455 | 3,18,621 | 3,546,888 | 2,45,169 | 710 | 5,64,500 | 228 | 252,827 | 2 3 9 |

* Audited figures.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 23rd October 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| | | (a) | | (b) | | | | | |
| Total traffic for the week ... | 108,626 | 4,76,674 0 0 | 5,615,699 0 | 9,19,364 0 0 | 35,137 0 0 | 14,31,175 0 0 | 160,207 | 176,500 | 336,707 |
| Or per mile of railway ... ... | | 207 14 7 | | 401 0 2 | 15 5 2 | 624 3 11 | ... | ... | |
| For previous 15¾ weeks of half-year | 7,703,083 | 65,85,795 0 0 | 91,533,915 0 | 1,41,20,655 0 0 | 6,13,271 0 0 | 2,13,19,721 0 0 | 2,469,196 | 2,542,423 | 5,011,619 |
| Total for 16¾ weeks ... | 8,211,709 | 70,62,469 0 0 | 97,179,614 0 | 1,50,40,019 0 0 | 6,48,408 0 0 | 2,27,50,896 0 0 | 2,629,403 | 2,718,923 | 5,348,326 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. ... | 422,132 | 3,97,844 3 2 | 6,498,008 30 | 10,94,421 8 0 | 48,134 2 3 | 15,40,399 14 2 | 163,855 | 210,432 | 374,287 |
| Per mile of railway corresponding week of previous year ... | ... | 173 8 10 | ... | 477 6 8 | 20 15 11 | 671 15 5 | . | ... | |
| Total for corresponding 16¾ weeks of previous year ... .. ... | 8,181,694 | 70,48,604 10 3 | 117,514,313 30 | 1,73,81,830 5 1 | 7,02,884 9 8 | 2,51,33,319 9 0 | 2,674,524 | 3,554,603 | 6,229,127 |

(a) The increase is chiefly due to "Doorga Poojah Holidays."
(b) The decrease is chiefly in coal and general merchandise.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.* 1909.

| Open miles. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·65 | For the month of July .. | 2,235,290 | 18,66,432 | 25,785,647 | 41,98,948 | 1,78,265 | 62,43,645 | 2,723 | 1,463,513 | 4 4 8 |
| *2,292·65 | ,, ,, of Aug. .. | 2,144,211 | 17,96,901 | 25,794,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 5 days of Sept. ... | 267,666 | 2,31,759 | 3,148,650 | 4,50,609 | 27,500 | 7,18,868 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th ,, .. | 468,257 | 3,90,833 | 5,718,019 | 8,68,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, | 473,912 | 3,71,938 | 5,902,173 | 9,19,116 | 48,000 | 13,39,054 | 584 | 341,004 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, .. | 491,488 | 4,04,080 | 5,615,649 | 9,04,251 | 40,254 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| 2,292·65 | ,, ,, 2nd Oct. ... | 522,326 | 4,79,324 | 6,419,660 | 9,96,441 | 40,254 | 15,16,019 | 661 | 328,139 | 4 9 11 |
| 2,292·65 | ,, ,, 9th ,, ... | 520,387 | 5,28,744 | 6,272,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 512,546 | 5,17,751 | 6,786,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 330,065 | 4 14 11 |
| 2,292·65 | ,, ,, 23rd ,, .. | 508,621 | 4,76,674 | 5,615,699 | 9,19,364 | 35,137 | 14,31,175 | 624 | 336,707 | 4 4 0 |
| | Totals up to date ... | 8,211,709 | 70,62,469 | 97,179,614 | 1,50,40,019 | 6,48,408 | 2,27,50,896 | 664 | 5,348,326 | 4 4 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,512 | 19,51,778 | 31,267,198 | 46,57,933 | 1,[illegible],144 | 67,30,855 | 2,969 | 1,687,563 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,03,317 | 32,017,766 | 46,48,803 | 1,[illegible]2,703 | 66,44,832 | 2,889 | 1,674,985 | 3 15 6 |
| 2,292·38 | First 5 days of Sept. ... | 325,135 | 2,74,412 | 5,527,251 | 7,91,275 | 30,262 | 10,95,949 | 478 | 271,806 | 4 0 6 |
| 2,292·38 | Week ended 12th ,, ... | 530,581 | 4,24,065 | 6,917,422 | 9,99,004 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, ... | 480,167 | 4,36,693 | 6,990,083 | 10,12,363 | 50,954 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 6,854,953 | 10,17,923 | 45,688 | 15,35,989 | 683 | 374,346 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,75,002 | 6,583,018 | 10,04,738 | 40,015 | 15,24,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,959 | 4,04,361 | 6,488,029 | 9,61,622 | 35,457 | 14,01,440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, . | 428,469 | 4,08,844 | 7,469,095 | 11,63,704 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | ,, ,, 24th ,, ... | 422,132 | 3,97,844 | 6,498,009 | 10,94,422 | 48,134 | 15,40,400 | 673 | 374,287 | 4 1 10 |
| | Totals up to date .. | 8,181,694 | 70,48,604 | 117,514,314 | 1,73,81,831 | 7,[illegible]35 | 2,51,33,320 | 662 | 6,229,127 | 4 0 7 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 23rd October 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 22,877 | 4,932 0 0 | 16,268 0 | 484 0 0 | 8 0 0 | 5,424 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway | ... | 222 1 0 | ..... | 21 12 8 | 0 5 9 | 244 3 5 | ..... | ..... | ..... |
| For previous 15¾ weeks of half-year | 329,287 | 75,514 0 0 | 502,881 0 | 11,129 0 0 | 185 0 0 | 86,828 0 0 | 20,637 | 2,457 | 23,094 |
| Total for 16¾ weeks .. | 352,164 | 80,446 0 0 | 519,149 0 | 11,613 0 0 | 193 0 0 | 92,252 0 0 | 21,974 | 2,616 | 24,590 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 23,278 | 5,012 9 0 | 21,097 0 | 944 1 0 | 5 11 3 | 5,962 5 3 | 1,335 | 159 | 1,494 |
| Per mile of railway corresponding week of previous year. | ..... | 225 11 0 | ..... | 42 8 1 | 0 4 2 | 268 7 3 | ..... | ..... | ..... |
| Total for corresponding 16¾ weeks of previous year. | 375,827 | 85,749 3 9 | *6,52,217 30 | 9,708 5 0 | 109 13 6 | 95,567 0 3 | 22,525 | 2,700 | 25,225 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July ... | 105,236 | 24,205 | 77,616 | 2,298 | [illegible] | 26,568 | 1,196 | 6,642 | [illegible] 0 0 |
| 22·21 | ,, ,, Aug. ... | 80,930 | 18,549 | 2,86,923 | 4,500 | [illegible] | 23,083 | 1,039 | 6,622 | [illegible] 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,779 | 3,965 | 8,661 | 133 | 8 | 4,106 | 185 | 854 | [illegible] 12 11 |
| 22·21 | Week ended 11th ,, .. | 23,819 | 4,838 | 31,615 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, .. | 23,817 | 4,668 | 38,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. ... | 21,514 | 4,750 | 17,230 | 559 | 14 | 5,323 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, .. | 22,631 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, . | 22,877 | 4,032 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| | Totals up to date ... | 352,164 | 80,443 | 5,19,149 | 11,613 | 193 | 92,253 | 253 | 24,599 | 3 12 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs | Rs. | Rs. | Rs. | No. | Rate. Rs A. P |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... ... ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,988 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, Aug. ... ... | 87,449 | 20,919 | 1,01,542 | 1,385 | 35 | 22,339 | 1,006 | 6,836 | 3 4 3 |
| 22·21 | First 5 days of Sept. ... | 13,292 | 3,468 | 33,493 | 394 | 4 | 3,866 | 174 | 1,190 | 3 3 7 |
| 22·21 | Week ended 12th ,, ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,522 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, .. | 19,895 | 4,015 | 1,43,248 | 1,114 | 4 | 5,133 | 241 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,480 | 48,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,965 | 692 | 5 | 6,031 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, 10th ,, ... | 23,199 | 5,180 | 1,19,206 | 1,111 | 13 | 6,254 | 298 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, ... | 21,796 | 4,611 | 23,971 | 877 | 1 | 5,489 | 247 | 1,498 | 3 10 8 |
| 22·21 | ,, ,, (6) 24th ,, ... | 23,278 | 5,012 | 21,097 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| | Totals up to date ... | 375,827 | 85,750 | 6,52,218 | 9,708 | 110 | [illegible] | 260 | 25,225 | [illegible] 2 7 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 23rd October 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 25,695 | 29,53[illegible] 0 0 | 250 2·9 0 | 21,477 0 0 | 107 0 0 | 51,323 0 0 | 10,211 | 4,119 | 14,330 |
| Ditto per mile of railway ... | ... | 181 15 0 | .. | [illegible]133 8 2 | 0 10 6 | 316 1 8 | .. | .. | .. |
| Ditto for previous 15½ weeks of half-year. | 434,906 | 3,50,281 0 0 | [illegible] | [illegible]75,789 0 0 | 1,845 0 0 | 5,57,924 0 0 | 156,908 | 46,622 | 203,530 |
| Total for 16½ weeks | 460,601 | 3,79,820 0 0 | 3,025,243 0 | 2,37,466 0 0 | 1,961 0 0 | 6,19,247 0 0 | 167,119 | 50,741 | 217,860 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 21,414 | 22,598 1 9 | 242,632 0 | 18,049 10 0 | 40 10 6 | 40,678 6 3 | 12,413 | 3,985 | 16,398 |
| Per mile of railway corresponding week of previous year .. | ... | 139 2 0 | ... | 111 2 9 | 0 4 0 | 250 8 9 | ... | ... | ... |
| Total for corresponding 16½ weeks of previous year . | 437,869 | 3,41,209 12 11 | 3,789,519 30 | 2,63,218 8 5 | 750 6 0 | 6,05,177 11 4 | 196 570 | 72,655 | 269,225 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July ... | 131,940 | 1,03,184 | 722,057 | 51,085 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| *162·36 | ,, ,, ,, Aug. ... | 126,757 | 1,00,166 | 736,097 | 50,545 | 475 | 1,60,186 | 987 | 58,315 | 2 11 11 |
| 162·36 | First 4 days of Sept. ... | 14,737 | 11,159 | 82,431 | 5,858 | 68 | 17,085 | 105 | 7,496 | 2 4 6 |
| 162·36 | Week ended 11th ,, ... | 32,553 | 28,813 | 169,808 | 12,636 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 134,503 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 23,512 | 17,462 | 170,107 | 13,592 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. ... | 26,374 | 21,954 | 205,639 | 18,949 | 130 | 43,133 | 267 | 13 280 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 22,838 | 201,098 | 19,244 | 130 | 42,212 | 260 | 13,316 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, ... | 24,737 | 23,499 | 233,154 | 23,009 | 107 | 46,603 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | 25,695 | 29,539 | 250,399 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| | Totals up to date ... | 460,601 | 3,79,820 | 3,025,243 | 2,37,466 | 1,961 | 6,19,247 | 232 | 217,860 | 2 13 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 990,656 | 61,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 126,667 | 91,505 | 988,368 | 64,140 | 164 | 1,55,809 | 960 | 70,832 | 2 3 2 |
| 162·36 | First 5 days of Sept. ... | 19,559 | 15,461 | 112,121 | 8,862 | 41 | 24,354 | 150 | 11,513 | 2 1 10 |
| 162·36 | Week ended 12th ,, ... | 22,701 | 19,222 | 194,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 236,042 | 15,188 | 30 | 33,098 | 204 | 16,445 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,923 | 234,810 | 16,250 | 73 | 33,746 | 208 | 15,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 23,045 | 22,376 | 264,788 | 18,344 | 61 | 40,781 | 251 | 16 842 | 2 6 0 |
| 162·36 | ,, ,, 10th ,, ... | 23,808 | 18,736 | 316,004 | 23,775 | 65 | 42,576 | 262 | 15,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 24,453 | 21,500 | 304,372 | 19,718 | 76 | 41,334 | 255 | 17,269 | 2 6 3 |
| *162·36 | ,, ,, 24th ,, ... | 21,414 | 22,588 | 242,632 | 18,050 | 40 | 40,678 | 251 | 16,398 | 2 7 8 |
| | Totals up to date .. | 437,869 | 3,41,209 | 3,749,520 | 2,63,219 | 750 | 6,05,178 | 225 | 269,225 | 2 4 0 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 23rd October 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 59,000 | 42,000 0 0 | 310,000 0 | 53,000 0 0 | 5,000 0 0 | 1,00,000 0 0 | 14,000 | 20,589 | 34,589 |
| Or per mile of railway ... | 76·82 | 54·69 | 402·08 | 68 74 | 6·49 | 129 92 | 18·23 | 26·70 | 44·93 |
| For previous 16 weeks of half-year* ... ... ... ... | 821,147 | 4,91,078 0 0 | 5,030,720 0 | 8,31,305 0 0 | 83,412 0 0 | 14,05,795 0 0 | 214,983 | 326,057 | 541,040 |
| Total for 17 weeks ... | 880,147 | 5,33,078 0 0 | 5,340,720 0 | 8,84,305 0 0 | 88,412 0 0 | 15,05,795 0 0 | 228,983 | 346,646 | 575,629 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 57,554 | 34,440 0 0 | 428,392 0 | 61,180 0 0 | 6,077 0 0 | 1,01,697 0 0 | 13,435 | 22,622 | 36,057 |
| Per mile of railway corresponding week of previous year ... | 74·94 | 44·84 | 555·63 | 79·35 | 7·88 | 132·07 | 17·49 | 29·34 | 46·83 |
| Total to corresponding date of previous year ... ... ... | 853,180 | 5,10,708 0 0 | 5,093,367 0 | 8,22,594 0 0 | 89,077 0 0 | 14,22,369 0 0 | 250,438 | 336,615 | 587,053 |

* Includes audited figures up to 31st August.

FINANCIAL YEAR. *Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 23rd October 1909. | | | Receipts for week ending 24th October 1908. | | | Total receipts from 1st April 1909 to 23rd October 1909. | | | Total receipts from 1st April 1908 to 24th October 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,00,000 | 129·92 | 771 | 1,01,697 | 132·07 | 771 | 26,49,760 | ... | 771 | 25,24,389 | ... | 1,25,371 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 23rd October 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 275,070 | 1,00,210 (a) | 766,860 | [illegible] | 16,500 | 2,14,660 | 59,118 | 30,819 (c) | 89,937 |
| Or per mile of railway ... | 147·33 | 56·89 | 410·74 | 49·25 | 8·84 | 114·98 | ..... | ..... | ..... |
| For previous 15½ weeks of half-year (d) ... ... ... ... | 4,775,520 | 17,15,600 | 11,981,287 | 13,45,558 | 2,73,657 | 33,34,815 | 877,738 | 555,649 | 1,433,387 |
| Total for 16½ weeks ... | [illegible]0,590 | 18,21,810 | 12,748,147 | 14,37,508 | 2,90,157 | 35,49,475 | 936,856 | 586,468 | 1,523,324 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... | 232,203 | 1,00,942 | 769,916 | 1,19,978 | 17,356 | 2,38,276 | 59,506 | 42,909 (e) | 102,415 |
| Per mile of corresponding week of previous year ... ... ... | 129·65 | 56·36 | 429·88 | 66 99 | 9·69 | 133·04 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 5,071,789 | 19,55,573 | 14,073,830 | 16,20,926 | 3,53,577 | 39,30,076 | 993,945 | 631,690 | 1,625,635 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 1·80 | | 2·98 | ·18 | 2·39 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 1·70 | | 2·80 | ·17 | 2·33 | | | |

(a) Increase due to improved local movements.
(b) General decrease.
(c) Includes 5,005 miles of ballast trains.
(d) Includes audited figures up to August 1909.
(e) Includes 6,660 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 30th October 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (d) | Rs. A. P. | Rs. A. P. (f) | | | |
| Total traffic for the week ... | 358,230 | 1,69,970 0 0 | 2,331,420 0 | 4,16,770 0 0 | 31,550 0 0 | 6,18,290 0 0 | 78,445 | (g)64,702 | 143,147 |
| Or per mile of railway per week | (a)266 | (a)126 0 0 | 1,557 0 | 278 0 0 | (c)9 0 0 | (c)401 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (e) ... ... ... ... | 7,455,173 | 28,41,641 0 0 | 36,492,251 0 | 59,53,211 0 0 | 5,65,985 0 0 | 93,60,837 0 0 | 1,264,084 | 991,315 | 2,255,399 |
| Total for 18 weeks ... | 7,813,403 | 30,11,611 0 0 | 38,823,671 0 | 63,69,981 0 0 | 5,97,535 0 0 | 99,79,127 0 0 | 1,342,529 | 1,056,017 | 2,398,546 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 364,719 | 1,76,540 0 0 | 3,479,712 0 | 4,64,483 0 0 | 75,890 0 0 | 7,16,913 0 0 | 76,232 | 90,322 | 166,544 |
| Per mile of railway corresponding week of previous year (1,374 miles) ... ... ... | (b)297 | (b)144 0 0 | 2,731 0 | 365 0 0 | 34 0 0 | 537 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 8,202,840 | 31,29,313 0 0 | 38,982,653 0 | 59,77,466 0 0 | 5,94,449 0 0 | 97,[illegible]228 0 0 | 1,316,535 | 992,427 | 2,308,962 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 18,500.
(d) Includes adjustments for ballast trains, Loco. coal, Re[illegible]nue stores, etc
(e) Audited up to August 1909.
(f) D[illegible]crease is due to inclusion of certain heavy adjustments [illegible] end of month in the previous year.
(g) Includes ballast train-miles Rs. 8,701.

26

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 30th October 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 31,710 | 11,190 0 0 | 123,311 0 | (a)10,420 0 0 | 230 0 0 | 21,840 0 0 | 5,790 | (c)2,084 | 7,874 |
| Or per mile of railway per week | 369 | 1[illegible]0 0 0 | 1,433 0 | 121 0 0 | 3 0 0 | 254 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (b) ... ... ... ... | 722,630 | 1,97,49[illegible] 0 0 | 1,525,37[illegible] 0 | 99,[illegible]30 0 0 | 3,426 0 0 | 3,00,253 0 0 | 90,086 | 31,866 | 121,952 |
| Total for 18 weeks ... | 754,340 | 2,08,687 0 0 | [illegible] | [illegible],750 0 0 | 3,656 0 0 | 3,22,093 0 0 | 9[illegible]8 6 | 33,950 | 129,826 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 40,432 | 13,724 0 0 | 223,995 0 | 13,444 0 0 | 869 0 0 | 28,037 0 0 | 5,656 | 2,744 | 8,400 |
| Per mile of railway corresponding week of previous year ... | 470 | 160 0 0 | 2,593 0 | 156 0 0 | 10 0 0 | 326 0 0 | .. | ... | ... |
| Total to corresponding date of previous year ... ... | 825,602 | 2,28,611 0 0 | 1,651,209 0 | 1,15,994 0 0 | 4,692 0 0 | 3,49,297 0 0 | 99,454 | 30,231 | 129,685 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to August 1909.
(c) Ballast train miles *Nil*.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic [illegible] for the week ending 30th October 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 3,740 | 1,310 0 0 | 22,620 0 | (a)1,790 0 0 | 10 0 0 | 3,110 0 0 | 567 | (c)1,915 | 2,482 |
| Or per mile of railway her week | 111 | 39 0 0 | 673 0 | 53 0 0 | ..... | 92 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (b) ... ... ... ... | 62,693 | 22,088 0 0 | 320,520 0 | 28,270 0 0 | 251 0 0 | 50,609 0 0 | 8,388 | 33,628 | 42,016 |
| Total for 18 weeks ... | 66,433 | 23,398 0 0 | 343,140 0 | 30,060 0 0 | 261 0 0 | 53,719 0 0 | 8,955 | 35,543 | 44,498 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 3,982 | 1,414 0 0 | 30,840 0 | 2,516 0 0 | 28 0 0 | 3,958 0 0 | 567 | 4,853 | 5,420 |
| Per mile of railway corresponding week of previous year ... | 119 | 42 0 0 | 918 0 | 75 0 0 | 1 0 0 | 118 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... ... | 70,658 | 25,693 0 0 | 397,945 0 | 34,100 0 0 | 211 0 0 | 60,004 0 0 | 8,253 | 31,431 | 39,684 |

(a) Includes adjustments for ballast trains, &c.
(b) Audited up to August 1909.
(c) Includes Ballast train miles 950.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 30th October 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 11,900 | 3,820 0 0 | 51,480 0 | 2,070 0 0 | 30 0 0 | 5,920 0 0 | 1,540 | (a) 672 | 2,212 |
| Or per mile of railway per week | 220 | 71 0 0 | 953 0 | 38 0 0 | 1 0 0 | 110 0 0 | ... | ... | ... |
| For previous 17 weeks of half-year (b) ... ... ... ... | 190,068 | 55,861 0 0 | 1,062,131 0 | 54,587 0 0 | 455 0 0 | 1,10,903 0 0 | 28,710 | 10,934 | 39,644 |
| Total for 18 weeks ... | 201,968 | 59,681 0 0 | 1,113,611 0 | 56,657 0 0 | 485 0 0 | 1,16,823 0 0 | 30,250 | 11,606 | 41,856 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... | 13,967 | 4,270 0 0 | 97,605 0 | 4,223 0 0 | 37 0 0 | 8,530 0 0 | 1,982 | 1,032 | 3,014 |
| Per mile of railway per week for corresponding week of previous year ... ... ... ... ... | 259 | 79 0 0 | 1,807 0 | 78 0 0 | 1 0 0 | 158 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... ... | 289,622 | 71,725 0 0 | 1,046,015 0 | 57,664 0 0 | 623 0 0 | 1,30,012 0 0 | 34,882 | 13,079 | 47,961 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to August 1909.

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 10th November 1909.

REGISTERED No. C 209.]

No. 46 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, NOVEMBER 17, 1909.

## OFFICIAL PAPERS.

*[Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.]*

CONTENTS.


| | Page |
|---|---|
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 13th November 1909 ... ... ... ... ... ... | 1711 |
| Weather and Crop Report for the week ending the 15th November 1909 ... ... ... ... ... ... | 1712—1717 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the five months of April to August 1909 ... ... ... ... ... | 1718—1724 |
| Results of the meteorological Observations taken at the Alipore Observatory from 7th to 13th November 1909 ... ... ... ... ... ... | 1725 |
| Area leased for Irrigation up to end of September 1909 ... ... ... ... ... ... ... ... | 1726—1727 |
| Abstract statement showing Tollage on Canals in Bengal classed as Major and Minor Works for the month of September 1909... ... ... ... ... | 1728—1729 |
| Railway Returns ... ... ... ... ... ... | 1730—1733 |


## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 13th November 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 13th November 1909. | | | Week ending Saturday, the 14th November 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 566 | 50,248 | 817 | 592 | 51,280 | 843 |
| Jute ... ... | 371 | 96,025* | 1,506 | 391 | 116,704† | 1,864 |
| Firewood ... ... | 56 | 49,650 | 749 | 35 | 28,025 | 471 |
| Other articles ... ... | 755 | 171,895 | 1,877 | 916 | 187,805 | 2,295 |
| Total ... | 1,748 | 367,818 | 4,949 | 1,934 | 383,814 | 5,473 |

* Weight by canal measurement, 108,700 maunds.
† Ditto ditto 121,225 do.

CALCUTTA,
*The 16th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 15th November 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·07 | 9½ | 9½ | *Rabi* crops benefitted by rain. Planting of potatoes going on. Condition of standing crops good. Cattle-disease reported from the Sadar and Shahibganj thanas. Food-grains, fodder and water sufficient. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Rainfall at Rampurhat *nil*. *Aus* paddy being harvested. Standing crops doing well. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | Nil | 11 | 11 | Weather seasonable. *Rabi* sowings going on. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE .. | 0·25 | 9 | 9 | Rainfall at Contai, Tamluk and Ghatal *nil*. Lands being prepared for *boro* rice at Ghatal. Sowing of rape and mustard, late cotton and tobacco continuing. Prospects of winter rice and *bhadoi* crops fair. Cattle-disease reported from thanas Salbani and Keshiari. Fodder and water sufficient. Common rice selling at 14 seers per rupee at Contai and at 11½ seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 9½ | 9½ | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Lands being ploughed for *rabi* crops. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | ... | ... | 9 | Report not received. |
| 7 | 24-PARGANAS | 0·20 | 9 | 9 | Weather seasonable. Harvesting of winter rice commenced. Prospects good. Common rice selling at 8 seers a rupee at Barasat, at 10 seers at Basirhat, at 9 seers at Barrackpore and at 12½ seers at Diamond Harbour. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 8 | NADIA ... | 0·21 | [illegible] | [illegible] | Rainfall at subdivisions other than Sadar *nil*. Prospects of standing crops good. Sowing of *rabi* crops still continuing. Harvesting of early *kalai* and *til* commenced. Prices of food-grains fallen. Stocks of food-grains, fodder and water sufficient. Cattle-disease prevailing in Karimpur thana. |
| 9 | MURSHIDABAD | Nil | 11½ | 11 | Weather seasonable. Condition of mulberry and sugarcane good. Winter rice crop prospering. Cultivation of *rabi* crops continuing. No cattle-disease. Fodder and water sufficient. Agricultural stock and food-grains sufficient. |
| 10 | JESSORE ... | Nil | 11 | 11¼ | Weather seasonable. No rain during the week. Condition of standing crops fair. Steeping and washing of jute nearly finished. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Narail. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 9½ | 9 | Weather cloudy and stormy. Prices almost stationary. Prospects of winter rice good, only slightly damaged by cyclone. |
| 12 | PATNA ... | Nil | 11¼<br>20* | 11¼<br>20* | Weather seasonable. Pressing of sugarcane and sowing of *rabi* crops in progress. Rain wanted for early sown *rabi* crops. Condition of agricultural stock good. No cattle-disease. Fodder and water sufficient. |
| 13 | GAYA ... | Nil | 12 1/16<br>19 3/16* | 11¼<br>18 11/16* | Weather seasonable. Standing crops doing well. Sowing of *rabi* crops continuing. Sugarcane being pressed. Prices falling. Condition of agricultural stock good. Fodder and water for cattle sufficient. |
| 14 | SHAHABAD ... | Nil | 10<br>17* | 10<br>18* | Standing crops doing well. Sowing of *rabi* crops in progress. Rain wanted for upland rice not irrigated by canal water. Harvesting of early paddy going on. Prices of food-grains stationary. Food stocks fairly normal. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 15 | SARAN ... | Nil | 12<br>20* | 12<br>20* | Weather seasonable. *Rabi* sowings going on. Paddy coming to maturity. Prices of staple food grains stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 12<br>20¾* | 12<br>20¾* | Weather seasonable. Standing crops and agricultural stock doing well. *Rabi* sowings going on. Fodder and water sufficient. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 12¾<br>21* | 12<br>21* | Weather still hot in the day. Prospects of all standing crops excellent. *Rabi* sowings in progress. Common rice and *makai* selling at 8¼ and 22 seers a rupee respectively at Sitamarhi and at 10½ and 18½ seers a rupee respectively at Hajipur. Fodder and water sufficient. No cattle-disease. |
| 18 | DARBHANGA ... | Nil | 13 5/16<br>20⅞* | 13 5/16<br>20⅞* | Weather seasonable. Prospects of standing crops good. *Rabi* sowings in progress. Food-stocks sufficient. Fodder and water sufficient. Cattle-disease reported from four villages in Jala outpost and from two villages in Mahiuddinnagar outpost. Common rice (average quality) selling at 9 5/16 seers a rupee at Sadar. *Makai* selling at 20⅞ seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 11<br>20* | 10<br>20* | Weather seasonable. Night getting cooler. Standing crops doing well. Condition of paddy good. Sowing of *rabi* crops about half over. Cattle-disease reported from Monghyr thana. Fodder and water sufficient. Common rice (local) selling at 9⅞ seers a rupee at Sadar. |
| 20 | BHAGALPUR ... | Nil | 9[illegible]<br>2[illegible] | 9½<br>[illegible] | Weather seasonable. Present condition and prospects of all standing crops good. Some rain wanted for upland paddy. Lands being ploughed for *rabi* crops. Condition of jute good. Agricultural stocks sufficient. Cattle-disease reported from Supaul. Fodder and water sufficient. Prices of food-grains almost stationary. |
| 21 | PURNEA ... | Nil | 12 | 12 | Weather seasonable. Prospects of standing crops good. *Rabi* sowings in full progress. Cattle-disease reported from Kasba thana. Fodder and water sufficient. Araria and Kishanganj reports not received. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 22 | DARJEELING ... | Nil | 8<br>15* | 8<br>16* | Weather seasonable. Hills—Maize, potatoes, *chota marua* and *bhadoi* paddy being harvested. *Bara marua* and winter rice growing well. Oilseeds being sown. Terai—Oilseeds doing well. Prospects good. Prices stationary. |
| 23 | SONTHAL PARGANAS. | ... | 12½<br>20* | 12½<br>20* | Weather seasonable. Harvesting of winter paddy going on. Prospects of standing crops very favourable. Prices of staple food-grains stationary. Stocks of food-grains likely to last till next harvest. Cattle-disease reported from Deoghur and Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 13¾ | 13$\frac{25}{52}$ | *Saradh* paddy ripening and in some places being harvested. *Biri* coming to maturity. *Kulthi* and mustard growing well. Cattle-disease reported from *Banki*. Fodder and water sufficient. |
| 25 | BALASORE ... | Nil | 16 | 16 | Rainfall at Bhadrak *nil*. Weather seasonable. Harvesting of *laghu saradh* paddy commenced. *Guru saradh* paddy ripening. Sugarcane and *rabi* crops thriving. Vegetables doing well. Condition of cattle good. Fodder and water available. Coarse rice selling at 15 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | Nil | 16¾ | 16$\frac{12}{16}$ | Weather seasonable. Harvesting of *biri* and *laghu* paddy in progress. Condition of agricultural stock good. Common rice selling at 12 seers per rupee in the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | Nil | 11$\frac{14}{16}$ | 10$\frac{12}{16}$ | Weather fine with passing clouds. *Saradh* paddy in ear. *Laghu* paddy being harvested. Sugarcane, *kulthi* and mustard thriving well. Cotton in pod. Fodder and water sufficient. Common rice selling at 15⅜ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 16 | 16 | Reaping and threshing of autumn rice continuing. Reaping of winter rice, *mung*, *kulthi* and *til* in progress. Pressing of sugarcane commenced. Condition of sugarcane, cotton, *kulthi* and *mung* good. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Malignant sorethroat, foot-and-mouth disease reported. Common rice selling (average quality) at 15 seers a rupee at Sadar. Cheapest rice selling at 16⅞ seers a rupee at Bargarh. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 29 | HAZARIBAGH... | Nil | 11<br>20* | 9<br>20* | Weather seasonable. Harvesting of paddy commenced. *Rabi* crops being sown. Fodder and water sufficient. No cattle-disease. |
| 30 | RANCHI ... | Nil | 13 | 12 | Weather seasonable. Harvesting of winter paddy progressing rapidly. Outturn expected about 105 per cent. Sowing of *rabi* crops continuing. No cattle-disease. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 11¼† | 10 11/16† | Weather seasonable. Harvesting of paddy continuing. Rain wanted for *rabi* crops. Fodder and water sufficient. Some cattle disease. [illegible] nt. |
| 32 | MANBHUM ... | Nil | 13½ | 14 | Weather seasonable. [illegible]te of standing crops good. Harvesting of winter rice on high lands continuing. Fodder and water sufficient. Cattle-disease reported from Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 11 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 11 | 11 | Weather seasonable. Harvesting of winter paddy commenced. Condition of cattle good. Fodder and water sufficient. Common rice selling at 13½ and 14 seers a rupee at Seraikella and Kharsawan, respectively. |
| 34 | COOCH BEHAR | Nil | 8 | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Prices of food-grains almost stationary. No apprehension of scarcity. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.‡ | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Athgarh ... 0·42<br>Hindol ... 0·02<br>Weather seasonable. Harvesting of early winter paddy in progress in Athgarh, Athmallik, Baramba, Baud, Daspalla, Dhenkanal, Kalahandi, Keonjhar, Narsinghpur, Nayagarh, Nilgiri, Pallahara, Rairakhol and Talcher. Standing crops doing well. Prospects of late paddy good. Fodder and water sufficient. During the week, price of rice fallen in seven States, risen in two States and stationary in the remaining States. Prices ranging from 12 seers in Khandpara and 14 seers in Nilgiri to 22 seers in Sonpur and 28 seers in Bonai. |

* The figures indicate price of the maize in seers per rupee.
† New rice.
‡ The report is for the week ending the 6th November 1909.

SUPPLEMENT TO T

GENERAL SUMMARY.—Light showers fell in parts of Burdwan, Midnapore, the [illegible] Shahabad and There was no rain in the rest of the Province. More rain is wanted for upland paddy in Bhagalpur and for early sown *rabi* crops in Patna and Palamau. Harvesting of winter rice and sowing of *rabi* crops are in progress. Prospects are on the whole favourable. The price of common rice has slightly risen in Burdwan, Jessore, Cuttack, Angul and Manbhum and has fallen in Nadia, Murshidabad, Khulna, Gaya, Muzaffarpur, Monghyr, Puri, Hazaribagh, Ranchi and Palamau. Cattle-diseases are reported from Burdwan, Midnapore, Nadia, Jessore, Darbhanga, Cuttack, Angul, Sambalpur, Palamau, Manbhum and from the Bhagalpur Division, excepting Darjeeling. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 16th November 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 130,716 | 116,068 | 203,259 | 64 | 117 | 20,691 | 779 | 224,910 | 21,306,916 | 29 | ..... |
| Birbhum ... ... | 68,904 | 6 | 68,908 | 1,220 | ..... | 781 | ..... | 70,909 | ..... | 272 | ..... |
| Bankura ... ... | 5,906 | 464 | 6,196 | ..... | ..... | 204 | ..... | 6,400 | ..... | 396 | ..... |
| Midnapore ... ... | 772,228 | 16,058 | 782,264 | 30 | 33 | 1,254 | 385 | 783,966 | 315 | 1,816 | ..... |
| Hooghly ... ... | 502,797 | 25,962 | 519,023 | 546 | 50 | 22,347 | 293 | 542,259 | 57,755 | 394 | ..... |
| 24-Parganas ... ... | 1,201,793 | 311,762 | 1,396,644 | 225 | 2 | 24,471 | ..... | 1,421,342 | 69,389 | 10,106 | ..... |
| Nadia ... ... | 7,218 | 1,055 | 7,877 | 41,945 | 34 | 791,534 | 116,320 | 867,770 | ..... | 7,537 | ..... |
| Murshidabad ... ... | 12,957 | 8,376 | 18,192 | 31,836 | 2 | 172,973 | 32,231 | 255,234 | ..... | 784 | ..... |
| Jessore ... ... | 9,067 | ..... | 9,067 | 2,300 | ..... | 57,105 | 607 | 69,079 | ..... | 5,826 | ..... |
| Khulna ... ... | 15,253 | 35,695 | 37,562 | 400 | ..... | 9,713 | 550 | 48,225 | ..... | 775 | ..... |
| Total Bengal ... | 2,726,839 | 515,446 | 3,018,992 | 78,566 | 238 | 1,011,133 | 151,155 | 4,290,084 | 21,434,375 | 27,935 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna ... ... | 35 | ..... | 35 | 18,261 | ..... | 78,668 | 27,163 | 1[illegible],127 | ..... | 492 | ..... |
| Gaya ... ... | 38 | ..... | 38 | 36,709 | ..... | 24,949 | 642 | [illegible],438 | ..... | 399 | ..... |
| Shahabad ... ... | 33 | ..... | 33 | 175,400 | 15 | 113,789 | 2,109 | [illegible]2,106 | ..... | 3 | ..... |
| Saran ... ... | 13 | ..... | 13 | 896 | 40 | 10,906 | 2 | [illegible]12,167 | ..... | 87 | ..... |
| Champaran ... ... | 5 | ..... | 5 | 20,981 | ..... | 2,436 | [illegible] | 23,717 | ..... | 1,380 | 22 |
| Muzaffarpur ... ... | 14 | 20 | 27 | 9,440 | 1 | 4,303 | 5[illegible] | 14,32[illegible] | ..... | 781 | 93 |
| Darbhanga ... ... | ..... | ..... | ..... | 3,089 | ..... | 1,125 | ..... | [illegible] | ..... | 7 | ..... |
| Monghyr ... ... | 12 | ..... | 12 | 51,170 | ..... | 178,144 | 1,365 | [illegible],691 | 43 | 2,777 | ..... |
| Bhagalpur ... ... | 424 | ..... | 424 | 51,941 | 402 | 30,301 | 2,584 | [illegible]5,652 | ..... | ..... | ..... |
| Purnea ... ... | 26 | 191 | 145 | 285 | ..... | 1,379 | ..... | 1,809 | ..... | 111 | 239 |
| Sonthal Parganas ... | 43 | ..... | 43 | 59,913 | ..... | 23,184 | 1,850 | 84,990 | 6,234 | 109 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 2,382 | 909 | ..... | ..... | 3,291 | ..... | 62 | ..... |
| Total Bihar ... | 643 | 211 | 775 | 430,527 | 1,367 | 469,190 | 37,673 | 939,532 | 6,277 | [illegible]08 | 354 |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 31,075 | 9,296 | 36,885 | 2,546 | ..... | 8,499 | ..... | 47,930 | ..... | 164 | ..... |
| Balasore ... ... | 153,672 | 16,769 | 164,153 | ..... | 2 | 1,009 | 12 | 165,176 | ..... | 921 | ..... |
| Puri ... ... | 71,760 | 1,194 | 72,506 | ..... | 18 | 5 | ..... | 72,529 | ..... | ..... | ..... |
| Sambalpur ... ... | 15,723 | ..... | 15,723 | 2 | ..... | ..... | ..... | 15,725 | ..... | ..... | ..... |
| Mourbhanj State ... | 6,009 | 356 | 6,231 | ..... | ..... | 3 | ..... | 6,234 | ..... | 124 | ..... |
| Total Orissa ... | 278,239 | 27,615 | 295,498 | 2,548 | 20 | 9,516 | 12 | 307,594 | ..... | 1,209 | ..... |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh ... ... | 8 | ..... | 8 | ..... | ..... | ..... | ..... | 8 | 1,118,453 | 103 | ..... |
| Ranchi ... ... | 15 | ..... | 15 | ..... | ..... | ..... | ..... | 15 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 490 | 42 | ..... |
| Manbhum ... ... | 47 | 1 | 48 | ..... | 132 | 40 | ..... | 220 | 25,451,901 | 5 | ..... |
| Singhbhum ... | 7,469 | 1,273 | 8,2[illegible] | ..... | 9 | 2 | ..... | 8,276 | ..... | 188 | ..... |
| Gangpur (Tributary State) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total Chota Nagpur | 7,539 | 1,274 | 8,336 | ..... | 141 | 42 | ..... | 8,519 | 26,570,844 | 338 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 3,013,260 | 544,546 | 3,353,001 | 511,641 | 1,766 | 1,489,881 | 188,840 | 5,545,729 | 48,011,496 | 35,690 | 354 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| E. B. and Assam ... | 223,758 | 10,715 | 230,473 | 38,638 | 110 | 172,246 | 16,124 | 457,591 | ..... | 151,036 | ..... |
| Burma | 4,491,918 | 1,356,2[illegible] | 5,277,[illegible] | 2,033 | 44 | 17,484 | 57,207 | 5,353,853 | 6,179 | 42,199 | ..... |
| U. P. of Agra and Oudh | 1,872 | ..... | 1,872 | 4,531,694 | 14,420 | 674,351 | 92,239 | 5,314,574 | ..... | 31,492 | ..... |
| Panjab ... | 459 | ..... | [illegible] | [illegible] | 667 | 27,781 | 1,740 | 58,303 | ..... | 9,030 | ..... |
| Sind and British Baluchistan | ..... | ..... | ..... | ..... | ..... | 165 | ..... | 165 | ..... | ..... | ..... |
| Central Provinces and Berar | 26,852 | 2,539 | 28,314 | [illegible] | ..... | 89,107 | 268 | 416,212 | ..... | 47,340 | ..... |
| Bombay ... ... | ..... | ..... | ..... | 696 | ..... | 219 | 2 | 917 | ..... | 31,943 | ..... |
| Madras ... ... | 1,734 | 1,976 | 2,968 | ..... | ..... | 50,666 | 1,128 | 54,762 | ..... | 40,205 | ..... |
| Rajputana and Central India | 393 | ..... | 393 | 66,616 | ..... | 40,067 | 73 | 107,149 | ..... | 13,114 | ..... |
| Cochin ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| GRAND TOTAL 1909 | 7,760,245 | 1,815,873 | 8,895,165 | 5,477,395 | 17,007 | 2,561,967 | 355,621 | 17,309,155 | 48,017,675 | 402,940 | 354 |
| GRAND TOTAL 1908 | 7,178,152 | 3,248,710 | 9,208,645 | 1,6[illegible] | 28,253 | 1,645,078 | 449,403 | 13,009,641 | 62,043,876 | 284,534 | 35 |
| GRAND TOTAL 1907 | 4,934,350 | 2,095,909 | 6,294,288 | 2,510,706 | 65,459 | 2,105,077 | 447,175 | 11,422,705 | 55,602,681 | 496,178 | 784 |

* One maund of paddy is equivalent to 25 seers of rice

† Including gunny cloth, 2 yards = 1 bag

I

*Rail, Road, River, Canal and Sea (coastwise) in the five months of April to August 1909*

| Jute. | | Lac | Oilseeds. | | Silk, | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | |
| | | | | | | | | | | | **Bengal** |
| 275 | 70,017 | 7,243 | 3,673 | ... .. | 9 | 4 | 38 | ..... | 2,496 | 13 | Bardwan |
| 7 | 13,055 | 1,901 | 1,204 | 403 | 64 | ... .. | ..... | .... | ..... | 2 | Birbhum |
| . | 7,070 | 421 | ..... | 2 | ..... | ..... | ..... | ..... | 165 | 694 | Bankura |
| 447 | 75,009 | 1 | 4,219 | 242 | 142 | 40 | 9,512 | ..... | 8 | 1 | Midnapore |
| 29,016 | 22,646,859 | .... | 5,802 | 1,735 | ..... | 620 | 7,711 | ..... | 30,086 | 3,171 | Hooghly |
| 226,183 | 53,226,086 | 175 | 346 | 270 | ..... | 146,247 | 46,169 | ..... | 8,718 | 4,181 | 24-Parganas |
| 117,939 | 245,578 | .. | 73,586 | 1,270 | ... .. | 8 | 30,838 | ..... | 13,290 | 10 | Nadia |
| 42,010 | 18,345 | 4,587 | 35,139 | 5,727 | 3,224 | 19 | 292 | ..... | 1 8 | 2 | Murshidabad |
| 25,927 | 19,915 | ..... | 3,089 | 491 | ... .. | 25 | 45,687 | ..... | 5,562 | ..... | Jessore |
| 78,320 | 5,670 | ... .. | 607 | 3,[illegible]03 | ..... | ..... | 16,201 | ..... | 73 | ..... | Khulna |
| 520,124 | 76,327,694 | 14,328 | 127,664 | 13,153 | 3,439 | 146,963 | 156,448 | ..... | 60,506 | 8,074 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 306 | 8,[illegible] | 1,419 | 77,073 | 82,047 | ..... | ... .. | 385 | 3 | 7,678 | 12,426 | Patna |
| ... . | 13,545 | 24,274 | 94,719 | 19,316 | ..... | 66 | 119 | 1 | 399 | 5,236 | Gaya |
| ..... | 3,745 | 71 | 26,693 | 3,192 | ..... | 1,517 | 2,961 | ... . | 7 | 425 | Shahabad |
| 16 | 3,780 | [illegible]6 | [illegible]235 | 25,922 | ..... | ..... | 3,009 | ..... | 34 | 6 | Saran |
| 2,412 | 105 | [illegible] | 19[illegible]43 | 68,087 | ... .. | ... .. | 47 | ..... | ... | .. ... | Champaran |
| 1,648 | 4,375 | ..... | 97[illegible]61 | 140,867 | ..... | ..... | 445 | ..... | 3,118 | ..... | Muzaffarpur |
| 3,936 | 6,475 | 7 | [illegible] | 268,269 | ..... | ... | 608 | 46 | 20,465 | .. .. | Darbhanga |
| 3,430 | 16,3[illegible]0 | . | [illegible] | 102,531 | ..... | 2 | ..... | ..... | 2,410 | 3,768 | Monghyr |
| 8,352 | 5,145 | 121 | [illegible] | 171,794 | 2 | ..... | 3 | 1 | 1,360 | ..... | Bhagalpur |
| 238,759 | 45,220 | 210 | [illegible] | 75,696 | ..... | ..... | ..... | ..... | 50,521 | 469 | Purnea |
| 16,607 | 9,380 | 27,682 | 16,728 | 150,478 | ..... | ..... | ..... | ..... | 63 | 136 | Sonthal Parganas |
| 4,334 | 71,686 | 57 | ... . | 106 | ..... | ..... | ..... | 72,278 | 5,598 | ..... | Darjeeling |
| 82,469 | 245 | ..... | ..... | 410* | ..... | ..... | ..... | ..... | 7,916 | ..... | Cooch Behar |
| 361,719 | 183,391 | 57,166 | 1,640,592 | 928,715 | 2 | 1,585 | 7,537 | 72,329 | 99,560 | 22,466 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 1,629 | 2,380 | 121 | 30 | 1,184 | ..... | ..... | ..... | ..... | ..... | ..... | Cuttack |
| 46,566 | 13,389 | 13 | 339 | 79 | .... . | 49 | ..... | ..... | 684 | ..... | Balasore |
| .. | ..... | ..... | ..... | 708 | ..... | ..... | 1 | ..... | ..... | ..... | Puri |
| 175 | 735 | 236 | ..... | 271 | ..... | ... .. | ..... | ..... | ..... | ..... | Sambalpur |
| . .. | 350 | 16 | ..... | ..... | ..... | ... | ..... | ..... | ..... | ..... | Mourbhanj State |
| 48,370 | 16,854 | 386 | 369 | 2,242 | .. . | 49 | 1 | ..... | 684 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| . | 8,470 | 1 032 | 1,729 | 74 | ..... | ..... | [illegible] | [illegible] | ..... | ..... | Hazaribagh |
| ... | 2,190 | 20,426 | ..... | ..... | ..... | ..... | [illegible] | ... .. | ... .. | ..... | Ranchi |
| ... . | 4,305 | 17,066 | 8,699 | 4,470 | ..... | ..... | 2 | 1 | ..... | ..... | Palamau |
| ..... | 5,845 | 61,883 | 70 | 1,226 | 3[illegible] | ..... | ..... | 1 | 347 | ... .. | Manbhum |
| 2 | 2,065 | 8,033 | 4,353 | ..... | ... .. | ... .. | ..... | ..... | ..... | .. .. | Singhbhum |
| .. | ... . | 97 | .... . | ... . | ..... | ..... | ..... | ..... | ..... | . .... | Gangpur (Tributary State) |
| 2 | 22,785 | 108,537 | 14,851 | 5,779 | 3[illegible] | ..... | 2 | 1,32[illegible] | 347 | ..... | Total Chota Nagpur |
| 930,215 | 76,550,724 | 180,417 | 1,783,476 | 949,889 | 3,441[illegible] | 148,597 | 163,988 | 73,6[illegible] | 161,097 | 30,540 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Place** |
| 5,091,954 | 589,775 | 11 639 | 133,861 | 394,568 | 1,352 | 13 | 924 | 562,930 | 132,8[illegible]8 | 42 | E B and Assam |
| ..... | 3,520 | 3,558 | ..... | ..... | ..... | 4,729 | ..... | 5 | 4,104 | 166 | Burma |
| 3,010 | 35,245 | 98,230 | 765,317 | 955,492 | ... .. | 52 | 3,461 | 1,154 | 691 | 194 | U P of Agra and Oudh |
| ... — | 2,520 | ..... | ..... | 6,685 | ..... | ..... | ..... | ... | 18 | 2 | Punjab |
| ..... | 595 | ..... | ..... | ..... | ..... | 817 | ... | ... | . | 19 | Sind and British Baluchistan. |
| 631 | 23,835 | 4,572 | 50,061 | 3,458 | ..... | ..... | 489 | 2 | 53 | 150 | Central Provinces and Berar |
| ..... | 490 | . | ..... | ... | 2 | 2,104 | ..... | 88 | 1,995 | 86 | Bombay |
| 13 | 55 760 | .. | ... | 2,807 | 6[illegible] | 17,890 | 1 | 441 | 7,069 | 400 | Madras |
| ..... | 12,180 | 5,574 | [illegible] | 6,573 | .... . | ..... | 3 | ..... | ..... | 5 | Rajputana and Central India |
| ... . | ..... | ..... | ... . | .. .. | ... | ..... | ..... | 15 | ..... | ... .. | Cochin |
| 6,026,423 | 77,274,644 | 303 990 | 2,852,328 | 2,318,272 | 4,805[illegible] | 174,192 | 168,936 | 638,451 | 307,865 | 31,604 | 1909 } Grand Total |
| 6,259,144 | 59,886,483 | .. . | 2,155,051 | 1,618,361 | 6,014[illegible] | 228,203 | 203 269 | 712,749 | 314,010 | 22,795 | 1908 } Grand Total |
| 5,049,2[illegible]4 | 72,490,731 | ..... | 3,864,094 | 2,014,213 | 8,053 | 201,079 | 178,859 | 818,206 | 369,405 | 21,460 | 1907 } Grand Total |

## No II

*Statement of the Routes by which the Articles enumerated in Table No I were imported into the Calcutta Trade Block in the five months of April to August 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... .. | 1,703,747 | 311,776 | 23,031 | | 449,299 | 1,002 | 1,882 | 10,920 | ... .. |
| ,, river steamer ... | 55,529 | 20,033 | 4,667 | 39 | 77,637 | 991 | 43 | 67 108 | ..... |
| ,, rail: E. I. Railway | 123,452 | 34,745 | 5,081,287 | 15,785 | 1,216,469 | 134,542 | 37,903,357 | 62,286 | 354 |
| ,, rail: E. B. S. Railway (including B. C. Railway) | 409,661 | 96,520 | 76,045 | 1,019 | 678,334 | 162,421 | 210,735 | 19,641 | ..... |
| ,, rail: A.-B. Railway ... | 6 | ..... | ..... | ..... | ..... | ..... | ... | [illegible] | ..... |
| ,, rail: B.-N. Railway ... | 357,212 | 41,086 | 259,432 | 23 | 72,924 | 270 | 17,104 | 36,560 | ..... |
| ,, rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ,, rail: B.-P. Railway ... | ..... | ..... | ..... | ..... | ..... | ... | ..... | ... .. | ..... |
| ,, rail: Howrah-Amta and Howrah-Shenkhala Light Railways | 14,961 | 156 | ..... | ..... | 5 | ... | ..... | ..... | ..... |
| ,, road ... ... | 572,531 | 48,521 | ..... | ..... | 1,947 | ... | 84,854 | 4,562 | ..... |
| ,, sea ... ... .. | 4,523,146 | 1,263,976 | 2,033 | 44 | 65,352 | 58,335 | ..... | 178,569 | ..... |
| Total ... 1909 ... | 7,760,245 | 1,815,873 | 5,477,395 | 17,007 | 2,561,967 | 357,621 | 48,017,675 | [illegible] | 354 |
| Total ... 1908 ... | 7,178,152 | 3,248,790 | 1,698,463 | 28,253 | 1,625,078 | 449,402 | 62,043,876 | 284,534 | 35 |
| Total ... 1907 ... | 4,984,350 | 2,095,900 | 2,510,706 | 65,459 | 2,105,077 | 417,175 | 55,602,681 | 496,178 | 784 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Jute: [illegible] | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Tea, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 482,020 | 74,650,859 | 175 | 72,565 | 25,718 | ..... | 2,185 | 89,165 | ..... | [illegible] 098 | 659 |
| ,, river steamer ... | 1,203,854 | 99,960 | [illegible].102 | 51,408 | 302,985 | 1,673 | 22 | 2,450 | 274,450 | 7,088 | 16,052 |
| ,, rail: E. I. Railway | 166,287 | 260,155 | 19[illegible]58 | 2,528,796 | 1,825,639 | 130 | 1,638 | 10,978 | 1,382 | 29,398 | 6,057 |
| ,, rail: E. B. S. Railway (including B. C. Railway) | 4,042,985 | 1,389,395 | 11,[illegible]72 | 140,344 | 154,171 | 2,984 | 38 | 41,810 | 268,04[illegible] | 204,977 | 24 |
| ,, rail: A.-B. Railway | 37,545 | 3[illegible] | | ..... | 1,433 | ..... | ..... | ..... | 48,711 | 141 | 22 |
| ,, rail: B.-N. Railway | 2,116 | 48,650 | 90,213 | 56,706 | 6,915 | 4[illegible] | 563 | 491 | 1,319 | 9,029 | 976 |
| ,, rail: D.-S. Railway | ..... | 490 | ..... | ..... | ..... | 8 | [illegible] | ..... | 40,276 | ..... | ..... |
| ,, rail: B.-P. Railway | ..... | 525 | ..... | ..... | ..... | ..... | ..... | [illegible] | ..... | ..... | ..... |
| ,, rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 979 | 17,075 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | 35 | 6 |
| ,, road ... ... ... | 43,593 | 736,855 | ..... | 2,420 | ..... | ..... | 144,630 | 33,040 | ..... | 15,078 | 7,397 |
| ,, sea ... ... ... | 46,444 | 66,770 | 3,558 | 87 | 1,411 | 6 | 23,016 | ..... | 4,268 | 5,021 | 501 |
| Total ... 1909 ... | 6,026,423 | 77,274,644 | 303,990 | 2,852,328 | 2,318,272 | 4,805[illegible] | 174,192 | 168,936 | 638,451 | 307,865 | 31,604 |
| Total ... 1908 ... | 6,259,144 | 59,886,483 | ..... | 2,455,051 | 1,618,361 | 6,014[illegible] | 22[illegible],263 | 203,269 | 712,749 | 314,010 | 22,795 |
| Total ... 1907 ... | 5,049,234 | 72,490,731 | ..... | 3,864,094 | 2,014,213 | 8,053 | 200,079 | 178,859 | 818,206 | 360,405 | 21,460 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag

## No III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the five months of April to August 1909.*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosene oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom | 38 542 | ..... | 6,40,02 258 | ..... | ..... | 1,478,072 |
| Other countries | 8,522 | ..... | 9,11,028 | ..... | 845,880 | 3,829,342 |
| Total | 47,064 | ..... | 6,49,13,286 | ..... | 845,880 | 5,307,414 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal | ..... | 115 | ..... | ..... | ..... | ... |
| Bombay | 266 | 63,056 | 22,663 | 49,08,583 | ..... | 309 654 |
| Sind and British Baluchistan | 76 | ..... | 525 | 2,949 | ..... | ... |
| Madras | ..... | ..... | 1,441 | 2,22,987 | ... | 2,000 |
| Burma | ..... | 140 | 3,959 | 21,094 | 1,307,123 | ..... |
| Total | 342 | 63,311 | 28,588 | 51,55,613 | 1,307,123 | 311,654 |
| 1909 | 47,406 | 63,311 | 6,49 41,874 | 51,55,613 | 2,243,003 | 5,619,068 |
| Total 1908 | 60,389 | 59,028 | 5,69,71,326 | 49,04 621 | 2,443 682 | 5,671,670 |
| [illegible] | 64,661 | 63,386 | 19,33,968 | 58,26,879 | 2,136 818 | 6,843,034 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the five months of April to August 1909*

| | Food-grains | | | | | | | | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other grain | Total | | | |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,442 | ..... | 1,442 | ..... | 997 | 516 | 1 | 2,956 | 5,960 | 3 | ..... |
| Eastern Bengal and Assam | ..... | ..... | ..... | 4 | 4,410 | 1,062 | 61 | 5,567 | 384,488 | ..... | ..... |
| Bombay ... ... | 36,188 | ..... | 36,188 | ..... | ..... | ..... | 2,208 | 38,396 | 8,082,032 | ..... | 37 |
| Sind and British Baluchistan | 200 | ..... | 200 | ..... | ..... | ..... | ..... | 200 | 6,575,607 | ..... | ..... |
| Madras ... ... | 30,908 | ..... | 30,908 | 93 | 21,408 | 129,846 | 914 | 183,169 | 4,576,547 | ..... | 146 |
| Burma ... ... | 15,289 | ..... | 15,289 | 11,589 | 117,260 | 165,450 | 17,470 | 326,658 | 4,165,652 | | 1 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pondichery .. | ..... | ..... | ..... | ..... | 1,275 | 1,117 | ..... | 2,392 | [illegible] | 7,268 | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 711,153 | ..... | ..... |
| Alleppey .. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total .. | 84,027 | ..... | 84,027 | 11,686 | 145,380 | 297,991 | 20,2[illegible] | 559,338 | 24,658,785 | 7,307 | 184 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 262,087 | 4 | 262,080 | 2,831,728 | 1,123 | 362,498 | 69,234 | 3,576,672 | 1,252 | 14,[illegible] | 1,173 |
| Other countries | 1,884,679 | 45 | 1,884,707 | 617,692 | 60,420 | 671,870 | 19,096 | 3,253,783 | 6,240,905 | 153,186 | 2,049 |
| Total .. | 2,146,766 | 49 | 2,146,795 | 3,499,420 | 61,543 | 1,034,368 | 88,330 | 6,830,457 | 6,24[illegible],157 | 168,109 | 3,222 |
| Total ... 1909 .. | 2,230,793 | 49 | 2,230,823 | 3,511,106 | 206,923 | 1,332,359 | 108,584 | 7,349,705 | 30,900,942 | 175,416 | 3,406 |
| Total ... 1908 .. | 1,073,855 | 97,221 | 1,134,118 | 27,989 | 118,444 | 326,881 | 34,314 | 1,645,746 | 37,782,099 | 108,109 | 4,161 |
| Total ... 1907 | 1,907,771 | 2 | 1,907,772 | 165,848 | 244,394 | 589,077 | 50,59[illegible] | 2,[illegible]58,287 | 32,407,322 | 330,554 | 2,591 |

| | Jute | | Lac | Seeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | N | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... | ..... | 32,100 | | ..... | ..... | ..... | 2,254 | 14 | 8 | 4,507 | 45 |
| Eastern Bengal and Assam | ..... | 87,970 | 1 | ..... | ..... | ..... | 5,753 | 4,218 | 16 | 10 | 19 |
| Bombay ... .. | ..... | 7,255 | | ..... | 39,331 | | 2,348 | ..... | 7,111 | ..... | 364 |
| Sind and British Baluchistan | ..... | [illegible] | | ..... | ..... | ..... | ..... | ..... | 327 | ..... | 854 |
| Madras .. .. | ..... | 2,512,500 | 244 | 5 | 9,223 | ..... | 1,376 | 4,083 | 467 | 112 | 822 |
| Burma ... | 271 | 11,074,388 | 20 | 105 | ..... | 63 | 16,952 | [illegible] | 3,323 | 77,731 | 4,131 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... |
| Pondichery ... | ..... | 257,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey .. | 19 | 10,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9 |
| Total .. | 290 | 25,377,953 | 265 | 110 | 48,564 | 63 | 28,183 | 16,974 | 11,785 | 82,360 | 6,246 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 563,025 | 17,211,713 | 58,802 | 1,584,505 | 59,701 | 1,241 | ..... | ..... | 454,758 | 46 | 32 |
| Other countries | 2,570,507 | 331,163,089 | 201,045 | 1,235,533 | 939,957 | 2,976 | 46 | 7 | 133,204 | 13,924 | 139 |
| Total . | 3,133,532 | 348,374,802 | 259,847 | 2,820,038 | 999,658 | 4,217 | 46 | 7 | 587,962 | 13,970 | 562 |
| Total ... 1909 .. | 3,133,822 | 373,752,355 | 260,112 | 2,820,148 | 1,048,222 | 4,280 | 28,729 | 16,981 | 599,747 | 95,330 | 6,808 |
| Total ... 1908 .. | 5,104,004 | 314,019,084 | ..... | 1,902,894 | 580,576 | 4,350 | 16,635 | 8,173 | 570,638 | 86,086 | 4,085 |
| Total ... 1907 ... | 2,950,190 | 317,325,106 | ..... | 3,830,932 | 566,894 | 7,719 | 30,279 | 12,241 | 670,575 | 139,640 | 7,485 |

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the five months of April to August 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| **Bengal** | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| Burdwan | 1,034 | 4,747 | 9,38,448 | 93,953 | 200,046 | 12,628 | 51,642 | 120,443 |
| Birbhum | 630 | 5,889 | 5,82,218 | 50,986 | 167,755 | 123 | 19,899 | 92,207 |
| Bankura | 248 | 3,484 | 1,66,082 | 4,043 | 15,575 | 3 | ..... | 55,549 |
| Midnapore | 3,554 | 5,242 | 11,15,113 | 2,59,340 | 136,989 | 784 | 33,318 | 207,897 |
| Hooghly | 2,294 | 1,676 | 6,99,597 | 4,67,648 | 211,526 | 23,061 | 45,741 | 124,468 |
| 24-Parganas | 2,686 | 1,060 | 7,59,526 | 6,10,368 | 258,122 | 68,765 | 39,859 | 93,570 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 353,429 | ..... |
| Nadia | 3,282 | 9,212 | 15,69,297 | 2,56,706 | 442,813 | 8,234 | 72,740 | 138,744 |
| Murshidabad | 457 | 2,496 | 6,27,231 | 58,429 | 268,505 | 1,353 | 40,233 | 110,313 |
| Jessore | 247 | 4,464 | 46,996 | 5,77,531 | 17,240 | 4,884 | 22,473 | 59,322 |
| Khulna | 170 | 895 | 73,708 | 4,82,011 | 46,725 | 17,551 | 12,985 | 49,800 |
| Total Bengal | 14,602 | 39,165 | 65,78,216 | 28,70,015 | 1,855,296 | 137,386 | 692,319 | 1,061,313 |
| **Bihar** | | | | | | | | |
| Patna | 2,132 | 3,079 | 9,03,912 | 11,081 | 610,925 | 2,641 | 87,184 | 186,204 |
| Gaya | 77 | 5,315 | 5,08,544 | 5,422 | 137,900 | 54 | 30,512 | 94,324 |
| Shahabad | 74 | 2,025 | 14,76,995 | 15,854 | 368,060 | 175 | 21,009 | 80,768 |
| Saran | 206 | 1,192 | 16,82,116 | 1,714 | 124,600 | 316 | 25,906 | 125,738 |
| Champaran | [illegible] | 812 | 15,62,601 | 34,482 | 176,155 | 512 | 26,275 | 127,116 |
| Muzaffarpur | [illegible] | 910 | 13,59,564 | 12,679 | 389,060 | 194 | 27,100 | 161,776 |
| Darbhanga | [illegible] | 4,618 | 13,50,110 | 18,116 | 92,575 | 158 | 41,556 | 174,602 |
| Monghyr | [illegible] | 4,856 | 9,60,306 | 21,942 | 307,930 | 589 | 37,548 | 140,733 |
| Bhagalpur | [illegible] | 2,719 | 12,56,050 | 7,835 | 227,185 | 122 | 30,173 | 138,935 |
| Purnea | [illegible] | 3,329 | 7,80,949 | 31,892 | 59,535 | 79 | 34,832 | 142,852 |
| Sonthal Parganas | [illegible] | 7,340 | 3,85,028 | 2,551 | 205,905 | 145 | 38,454 | 116,459 |
| Darjeeling | ..... | 1,134 | 3,03,771 | 66,300 | 33,075 | 884 | 12,798 | 34,989 |
| Cooch Behar | [illegible] | 167 | 2,24,327 | 26,357 | 12,355 | 114 | 5,831 | 24,514 |
| Total Bihar | 3,932 | 38,116 | 1,27,44,873 | 2,56,205 | 2,745 260 | 5,983 | 427,238 | 1,558,010 |
| **Orissa** | | | | | | | | |
| Cuttack | 2,040 | 12,546 | 2,98,820 | 68,718 | 90,055 | 130 | ..... | 11,198 |
| Balasore | 1,337 | 10,891 | 1,65,290 | 5,183 | 143,340 | 46 | 11,999 | 104,029 |
| Puri | 28 | 1,046 | 56,090 | 2,685 | 16,275 | 41 | ..... | 13 |
| Sambalpur | 115 | 82 | 97,141 | 1,295 | 56,665 | 104 | ..... | 46 |
| Mourbhanj State | ..... | 309 | 28,058 | ..... | 13,510 | 7 | ..... | 17,072 |
| Total Orissa | 3,520 | 24,874 | 6,45,399 | 77,881 | 319,845 | 328 | 11,999 | 132,958 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | 26 | 2,252 | 1,68,685 | [illegible] | [illegible] | 350 | 5,891 | 51,914 |
| Ranchi | 8 | 994 | 1,98,132 | 20,970 | 9,995 | 60 | 1,360 | 58,850 |
| Palamau | 9 | 73 | 2,10,168 | 3,062 | 15,575 | 383 | 3,674 | 36,183 |
| Manbhum | 26 | 3,843 | 4,67,556 | 13,577 | 38,115 | 1,102 | 23,331 | 103,087 |
| Singhbhum | 3 | 430 | 1,26,337 | 3,896 | 33,635 | 270 | 677 | 63,409 |
| Gangpur (Tributary State) | ..... | 88 | 30,795 | 101 | 5,005 | 39 | ..... | 663 |
| Total Chota Nagpur | 72 | 7,689 | 12,01,673 | 56,730 | 106,29[illegible] | 2,204 | 34,933 | 314,100 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal. | 22,126 | 109,844 | 2,11,70,161 | 32,60,831 | 5,026,6[illegible] | 145,901 | 1,166,489 | 3,066,381 |
| **Other Provinces and Places** | | | | | | | | |
| E. B. and Assam | 38,151 | 31,335 | 1,43,82,449 | 20,39,861 | 1,004,137 | 70,612 | 643,207 | 1,747,700 |
| Burma | 3,833 | 19,555 | 2,12,440 | 1,03,568 | 11,074 388 | ..... | . | 81 |
| U. P. of Agra and Oudh | 4,407 | [illegible] | 1,38,14,821 | 4,33,785 | [illegible] | 4,360 | 357,809 | 185,557 |
| Panjab | 2,656 | 692 | 32,08,974 | 1,18,768 | [illegible] | 3,633 | 18,064 | 175 |
| Sind and British Baluchistan | ..... | ..... | 877 | ..... | 330 | | ..... | ..... |
| Kashmir State | ..... | ..... | 1,437 | ..... | 35 | ..... | ..... | ..... |
| Central Provinces and Berar | 314 | 140 | 5,07,554 | 12,104 | 958,790 | 234 | 13,607 | 1,980 |
| Bombay | ..... | ..... | 55,356 | 8,310 | 8,241,785 | ..... | ..... | ..... |
| Madras | 454 | 6,331 | 1,83,037 | 18,464 | 2,758,410 | 300 | 3 | 197 |
| Rajputana and Central India | [illegible] | 13 | 6,62,057 | 5,112 | 147,315 | 40 | 14,071 | ..... |
| Nizam's Territory | 154 | 24 | 81,548 | 423 | 96,110 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 691 | 205 | 14,735 | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 10,500 | ..... | ..... | ..... |
| Pondichery | ..... | ..... | ..... | ..... | 297,500 | ..... | ..... | ..... |
| Port Blair | 3 | 471 | 3,860 | 120 | 300 | ..... | 179 | ..... |
| **Grand Total** 1909 | 72,490 | 169,843 | 5,42,65,862 | 69,01,551 | 41,079,521 | 225,085 | 2,213,429 | 5,002,071 |
| **Grand Total** 1908 | 63,857 | 180,131 | 6,29,07,183 | 57,01,753 | 36,539,598 | 191,721 | 2,127,077 | 4,652,195 |
| **Grand Total** 1907 | 95,280 | 175,106 | 6,13,03,672 | 36,05,107 | 43,208,527 | 190,689 | 2,030,277 | 4,882,927 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

‡ The figures for Madras and other places served by the M and S M Railway for August are incomplete, as the returns due from at Railway have not yet been received

## No VI

*Statement of the Routes by which the Articles enumerated in Table No V were exported from the Calcutta Trade Block in the five months of April to August 1909*

| Routes | Cotton twist and yarn | | Cotton piece-goods* | | Gunny-bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Bulge-Budge | |
| | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| By boat | 3,278 | 1,133 | 5,74,000 | 6,44,400 | 204,654 | 92 396 | 98,363 | 574,746 |
| ,, river steamer | 40,213 | 9,460 | 94,17,423 | 17,39,922 | 794,815 | 16,539 | 495,101 | 1,268,300 |
| ,, rail: E. I. Railway | 5,601 | 40,998 | 1,88,70,373 | 6,26,418 | 5,049,835 | 19,252 | 518,787 | 826,599 |
| ,, rail: E. B. S. Railway (including B. C. Railway) | 5,036 | 35,177 | 99,42,983 | 18,96,780 | 1,317,750 | 13,230 | 696,077 | 958,277 |
| ,, rail: A.-B. Railway | 2,579 | 8,501 | 8,53,6[illegible]3 | 8,98,818 | 85,890 | 2,351 | 2,005 | 25,284 |
| ,, rail: B.-N. Railway | 3,483 | 37,989 | 24,41,415 | 1,40,519 | 1,038,905 | 1,413 | 7,709 | 442,622 |
| ,, rail: B. and N.-W. Railway | 811 | 8,539 | 93,92,875 | 72,622 | 1,833,230 | 1,6[illegible] | 209,138 | 810,743 |
| ,, rail: O. and R. Railway | 533 | 156 | 27,19,485 | 56,30[illegible] | 949,550 | [illegible],059 | 143,750 | 278 |
| ,, rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 1,092 | ..... | 3,05,853 | ..... | 7,630 | 1,493 | ..... | 8,950 |
| ,, rail: Minor Railways | 2,302 | 299 | 16,82,669 | 3[illegible],830 | 4,[illegible],[illegible]25 | 4,383 | 22,418 | 1,224 |
| ,, road | 2,693 | 953 | 7,78,424 | 6[illegible]4,777 | 90,484 | 70,285 | 7,454 | 61,305 |
| ,, sea | 4,875 | 26,643 | 2,78,316 | [illegible] | 25,377,553 | ..... | 11,727 | 23,683 |
| Total 1909 | 72 490 | 169,843 | 5,42,6[illegible],862 | 69,01,551 | 41,079,521 | 225,085 | 2,213,429 | 5,002,071 |
| Total 1908 | 63,857 | 180,131 | 6,29,07,133 | 57,01,753 | 36,539,598 | 191,721 | 2,127,077 | 4,652,195 |
| Total 1907 | 95,230 | 175,106 | 6,13,03,672 | 36,05,107 | 43,208,527 | [illegible],369 | 2,030,277 | 4,882,937 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter.
† Including gunny cloth, 2 yards = 1 bag

*November 16, 1909.*

F. Noel-l'aton,
*Director-General of Commercial Intelligence.*

J. G. Cumming,
*Secretary to the Government of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 7th to 13th November 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Nov. | 7th | 136·1 | No instrument. | 29·881 | 76·0 | 86·9 | 20·7 | 66·2 | 69·3 | 0·624 | 65·2 | 70 | N, NW and Calm | 52 | Nil | Chiefly clear, ⌓. |
| ,, | 8th | 134·5 | | ·894 | 77·1 | 86·3 | 17·2 | 69·1 | 71·7 | ·706 | 68·8 | 76 | NW, NNE and Calm. | 66 | Nil | Chiefly clear, ⌓ |
| ,, | 9th | 134·3 | | ·940 | 75·9 | 85·4 | 17·9 | 67·5 | 70·4 | ·667 | 67·2 | 74 | NNE and N ... | 68 | Nil | Chiefly clear, ⌓. |
| ,, | 10th | 135·1 | | ·932 | 76·5 | 85·7 | 17·3 | 68·4 | 68·9 | ·606 | 64·4 | 68 | NNE and N by W. | 132 | Nil | Chiefly clear, ⌓. |
| ,, | 11th | 134·8 | | [illegible] | 75·0 | [illegible]·2 | 19·3 | 65·9 | 68·1 | ·596 | 63·9 | 69 | NNE and N by W. | 114 | Nil | Clear, ⌓. |
| ,, | 12th | 135·4 | | ·92[illegible] | 74·5 | 8[illegible]·2 | 20·2 | 65·0 | 68·2 | ·605 | 64·4 | 72 | N by W, W and Calm. | 64 | Nil | Partially cloudy, ⌓. |
| ,, | 13th | 135·4 | | [illegible] | [illegible] | 86·3 | 18·2 | 68·1 | 69·6 | ·637 | 65·8 | 70 | NNW and NE ... | 79 | Nil | Partially cloudy, ⌓. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·916 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·945 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | [illegible] |
| The maximum possible number of hours of sunshine ... ... ... | 77·7 |
| The mean temperature of the seven days ... ... ... ... | 75·9 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... | 76·4 |
| The extreme variation of temperature ... ... ... ... | 21·9 |
| The maximum temperature ... ... ... ... ... | 86·9 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 12 |
| | % |
| The mean relative humidity ... ... ... ... ... | 71 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 74 |
| | Inches. |
| The total fall of rain from 7th to 13th November 1909 ... ... ... | Nil |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·38 |
| The total fall from 1st January to 13th November 1[illegible] ... ... ... | 71·37 |
| The average fall of the corresponding period for [illegible] years, Surveyor-General's Office ... ... ... ... ... ... | 65·11 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

⌓, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 15th November 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of September 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilized. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system | 1,342 | 1,154 | 943 | 65,[illegible]1 | 73,678 | 64,375 | 1,496 | ... | ... | ... | 1,496 | 65,871 | 11·88 | 63·27 | 8·20 | 68·22 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. | 2,085 | 1,305 | 1,035 | 100,[illegible] | 99,683 | 98,791 | 1,167 | ... | ... | 49 | 1,216 | 100,007 | 12·36 | 67·01 | 8·83 | 54·58 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I | 608 | 428 | 321 | 27,164 | 27,677 | 27,164 | ... | ... | ... | ... | ... | 27,164 | 11·71 | 61·63 | 6·78 | 50·57 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II | 728 | 46 | 36 | 5,434 | 5,428 | 5,434 | ... | ... | ... | ... | ... | 5,434 | 9·81 | 62·89 | 3·73 | 32·64 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jajpur Canal | 700 | 259 | 250 | 18,436 | 21,264 | 18,410 | 65 | ... | 5 | 6 | 76 | 18,486 | 12·04 | 62·00 | 4·80 | 47·39 | Jajpur. |
| | Balasore | Dudhai Canal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III | 728 | 244 | 228 | 43,898 | 40,935 | 43,480 | ... | ... | 372 | 6 | 378 | 43,858 | 6·09 | 58·63 | 3·95 | [illegible]·15 | Akhoyapada. |
| | | Total Orissa Canals | ... | ... | ... | 260,810 | 267,665 | 257,654 | 2,728(a) | ... | 377 | 61 | 3,166 | 260,82[illegible] | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 264,640 | 2,448 | ... | 463 | [illegible] | 2,980 | 267,580 | ... | ... | ... | [illegible] | |
| South-Western | Midnapore | Midnapore | 1,411 | 219 | 149 | 63,172 | 56,068 | 50,372 | 13,209 | ... | ... | ... | 13,209 | 63,581 | 11·17 | 62·47 | 6·50 | 55·89 | |
| | | Panchkura | 522 | 5 | ... | 5,349 | 3,058 | 5,084 | 582 | ... | ... | ... | ... | 5,66[illegible] | 9·80 | 56·06 | 3·30 | 47·65 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 9·87 | 68·55 | 6·13 | 63·94 | |
| | | Total Midnapore Canal | ... | ... | ... | 68,521 | 59,126 | 55,456 | 13,791* | ... | ... | ... | 13,791 | 69,247 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 54,058 | ... | ... | ... | ... | ... | 54,058 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal | 1,000 | 40 | 40 | 18,560 | 20,270 | 17,651 | 9[illegible] | 1 | ... | ... | [illegible]09 | 18,560 | 8·67 | 82·91 | 5·25 | 64·77 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 19,873 | 39[illegible] | ... | ... | ... | 397 | 20,270 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,650 | 363 | 183 | 22,414 | 23,455 | 15,685 | 6,506 | ... | ... | 584 | 7,330 | 25,075 | 4·94 | 42·87 | 3·97 | 30·65 |
| | | Buxar | | 93[illegible] | 623 | 115,493 | 108,633 | 87,774 | 19,456 | ... | ... | 10,053 | 29,509 | 117,283 | | | | |
| | | Arrah | 2,650 | 1,627 | 593 | 152,361 | 178,810 | 135,001 | 32,684 | ... | ... | 15,830 | 48,514 | 185,515 | 7·37 | 38·53 | 4·14 | 27·45 |
| | Patna and Gaya | Eastern Main | 1,550 | 1,412 | 752 | 3,788 | 3,937 | 2,970 | 900 | ... | ... | ... | 900 | 3,870 | 4·70 | 39·93 | 3·38 | 16·35 |
| | | Patna | | | | 121,149 | 119,962 | 85,296 | 28,437 | ... | ... | 9,169 | 37,606 | 122,908 | | | | |
| | | Total Sone Canals | ... | ... | ... | 415,205 | 427,730 | 326,720 | 88,293 | ... | ... | 35,636 | 123,919 | [illegible],645 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 329,443 | 87,873 | ... | ... | 21,820 | 100,603 | 139,136 | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | 10 | 3 | 246 | 2,046 | ... | 131 | ... | ... | 66 | 197 | 197 | 2·51 | 57·33 | 7·51 | 23·07 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 1,601 | ... | ... | [illegible] | 1,936 | [illegible] | ... | ... | ... | ... |
| | | Dhaka | 300 | 5 | 4 | 998 | 8,758 | ... | 862 | ... | ... | [illegible] | 1,102 | 1,102 | 2·14 | 55·83 | 10·17 | 30·31 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 8,536 | ... | ... | 335 | [illegible] | [illegible],871 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 794,340 | 785,395 | 657,427 | 166,703 | 1 | 377 | 36,003 | 143,084 | 800,571 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 668,0[illegible] | 100,855 | ... | 463 | 23,410 | 123,737 | 791,751 | ... | ... | ... | ... |

* Covering lease.
† Of this 2,[illegible]1 acres are "provisional lease."

CALCUTTA,
*The 15th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of September 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System... | 7,185 | 20,[illegible] | 14,263 | 51,508 | 1,361 | 6,435 | 2,399 | 17,496 | 400 | 89,283 | 406 | 5,746 |
| Kendrapara ditto ... | 3,320 | 17,7[illegible]8 | 484 | 47,499 | 2,132 | 14,173 | 2,403 | 17,717 | 77 | 39,509 | 2,044 | 12,532 |
| High Level, Range I | 1,018 | 5,[illegible]39 | ..... | 14,461 | 604 | 3,270 | 655 | 6,606 | ..... | 24,894 | 389 | 3,754 |
| High Level, Range II | 419 | 1,[illegible]09 | ..... | 20,788 | 74 | 337 | 322 | 1,536 | ..... | 5,958 | 68 | 369 |
| High Level, Range III | 41 | [illegible]70 | 522 | 11,752 | 14 | 88 | 52 | 142 | 2,874 | 6,885 | 38 | 77 |
| Jajpur Canal ... | 263 | 1,[illegible]64 | ..... | 5,223 | 24 | 258 | 465 | 1,406 | ..... | 2,646 | 44 | 208 |
| Total Orissa Canals | 12,236 | 4[illegible],263 | 15,269 | 151,231 | 4,209 | 24,561 | 6,296 | 44,903 | 3,351 | 169,175 | 2,989 | 22,686 |
| Midnapore Canal ... | 6,144 | [illegible],462 | 616 | 11,773 | 2,644 | 20,612 | 6,523 | 49,891 | 630 | 11,745 | 3,076 | 18,721 |
| Hijili Tidal Canal ... | 7,537 | 56,337 | 600 | 3,120 | 4,727 | 38,914 | 5,[illegible]23 | [illegible],409 | 2,400 | 4,120 | [illegible]50 | 23,317 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 521 | 5,298 | 14,604 | 563,697 | 443 | 6,006 | 390 | [illegible],137 | 15,732 | 302,362 | 457 | 3,104 |
| Arrah ditto ... | 194 | 1,100 | 3,561 | 536,827 | 271 | 2,872 | 218 | [illegible]048 | 750 | 614,098 | 247 | 2,482 |
| Buxar ditto ... | 238 | 1,991 | ..... | 215,767 | 175 | 1,850 | 103 | [illegible]68 | ..... | 99,509 | 50 | 781 |
| Total Sone Canals ... | 953 | 8,389 | 18,165 | 1,316,291 | 889 | 10,728 | 711 | 4,955 | 16,482 | 1,015,969 | 754 | 6,367 |
| Grand Total ... | 26,870 | 156,451 | 34,650 | 1,482,415 | 12,469 | 94,815 | 18,553 | 131,156 | 22,833 | 1,201,009 | 10,319 | 71,091 |

Calcutta:
*The 16th November 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of September 1909, as compared with the corresponding month of the previous years.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 29,762 | 171,545 | 1,994 | 18,099 | 20,414 | 1,15,335 | 27,894 | 186,878 | 25 | 12,865 | 19,890 | 1,26,424 |
| Tolly's Nala ... ... | 19,298 | 117,[illegible]67 | 3,594 | 6,069 | 7,064 | 40,072 | 21,847 | 123,965 | 1,297 | 6,177 | 7,486 | 39,313 |
| Madaripur Bhil Route ... | 31,272 | 109,7[illegible]8 | 1,531 | 3,482 | 13,582 | 39,615 | 13,024 | 85,146 | 1,400 | 4,094 | 6,487 | 31,443 |
| Total ... | 80,332 | 398,3[illegible] | 7,119 | 27,650 | 41,060 | 1,95,022 | 62,765 | 395,989 | 2,722 | 23,136 | 33,863 | 1,97,180 |
| Orissa Coast Canal ... | 3,516 | 25,39[illegible] | 18,400 | 34,555 | 1,637 | 9,014 | 2,647 | 14,590 | 33,390 | 40,160 | 2,143 | 7,148 |
| Nadia Rivers ... | 24,087 | 78,680 | 68,759 | 189,125 | 3,024 | 14,134 | 18,602 | 59,887 | 48,681 | 168,265 | 2,818 | 10,798 |
| Grand Total ... | 107,935 | 502,404 | 94,278 | 251,330 | 45,721 | 2,18,170 | 84,014 | 470,466 | 84,793 | 231,561 | 38,824 | 2,15,126 |

Calcutta,
*The 16th November 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 30th October 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. (b) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 503,979 | 4,76,749 0 0 | 54,75,335 0 | 9,01,866 0 0 | 35,137 0 0 | 14,13,752 0 0 | 159,386 | 146,674 | 306,060 |
| Or per mile of railway .. ... | ... | 207 15 2 | ... | 393 5 11 | 15 5 3 | 616 10 4 | ... | ... | ... |
| For previous 16¾ weeks of half-year | 8,211,709 | 70,62,469 0 0 | 9,71,79,614 0 | 1,50,40,019 0 0 | 6,48,408 0 0 | 2,27,50,896 0 0 | 2,629,403 | 2,718,923 | 5,348,326 |
| Total for 17¾ weeks ... | 8,715,688 | 75,39,218 0 0 | 10,26,54,949 0 | 1,59,41,885 0 0 | 6,83,545 0 0 | 2,41,64,648 0 0 | 2,788,789 | 2,865,597 | 5,654,386 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 423,877 | 4,02,101 4 7 | 61,65,539 20 | 10,32,975 12 4 | 40,418 9 6 | 14,75,495 10 5 | 166,723 | 200,246 | 366,969 |
| Per mile of railway corresponding week of previous year ... | ... | 175 6 6 | ... | 450 9 10 | 17 10 1 | 643 10 5 | .. | ... | .. |
| Total for corresponding 17¾ weeks of previous year ... . .. | 8,605,571 | 74,50,705 14 10 | 12,36,79,913 10 | 1,84,14,806 1 5 | 7,43,303 3 2 | 2,66,08,815 23 5 | 2,841,247 | 3,754,849 | 6,596,096 |

(a) The increase is due to "Doorga Poojah Holidays."
(b) The decrease is chiefly in coal and general merchandise.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·65 | For the month of July .. | 2,245,290 | 18,66,432 | 2,57,85,647 | 41,98,948 | *1 78,265 | 62,43,645 | 2,723 | 1,463,513 | 4 4 8 |
| *2,292·65 | ,, ,, of Aug. ... | 2,114,211 | 17,96,901 | 2,57,94,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 4 days of Sept. ... | 277,666 | 2,31,759 | 31,48,650 | 4,59,669 | 27,590 | 7,18,868 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th ,, ... | 468,257 | 3,90,830 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | [illegible] | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, ... | 473,912 | 3,71,088 | 59,72,173 | 9,19,116 | 48,[illegible] | 13,39,054 | 584 | 331,004 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, ... | 491,488 | 4,03,086 | 56,15,640 | 9,04,241 | 49,254 | 13,47,581 | 588 | 321,033 | 4 3 0 |
| 2,292·65 | ,, ,, 2nd Oct. ... | 572,326 | 4,73,324 | 64,19,660 | 9,96,441 | 40,254 | 15,16,019 | 661 | 328,139 | 4 9 11 |
| 2,292·65 | ,, ,, 9th ,, ... | 520,387 | 5,28,744 | 62,72,625 | 10,33,142 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 519,546 | 5,17,781 | 67,80,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 330,565 | 4 14 11 |
| 2,292·65 | ,, ,, 23rd ,, .. | 508,626 | 4,76,074 | 56,45,696 | 9,19,364 | 35,137 | 14,31,175 | 624 | 336,707 | 4 4 0 |
| 2,292·65 | ,, ,, 30th ,, ... | 503,979 | 4,76,749 | 54,75,335 | 9,01,866 | 35,137 | 14,13,752 | 617 | 306,060 | 4 9 11 |
| | Totals up to date ... | 8,715,688 | 75,39,218 | 10,26,54,949 | 1,59,41,885 | 6,83,545 | 2,41,64,648 | 605 | 5,654,386 | 4 4 5 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,512 | 19,51,778 | 3,12,67,198 | 46,57,933 | 1,86,194 | 67,89,855 | 2,962 | 1,687,503 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,03,317 | 3,29,17,766 | 46,48,813 | 1,92,702 | 66,44,832 | 2,899 | 1,674,985 | 3 15 6 |
| 2,292·38 | First 5 days of Sept. ... | 325,135 | 2,74,412 | 55,27,251 | 7,94,275 | 30,262 | 10,85,949 | 478 | 271,806 | 4 0 6 |
| 2,292·38 | Week ended 12th ,, ... | 530,581 | 4,24,069 | 69,17,422 | 9,99,004 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, ... | 486,167 | 3,86,609 | 69,90,083 | 10,12,308 | 50,954 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 68,54,953 | 10,47,923 | 46,084 | 15,65,980 | 683 | 374,346 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,75,903 | 65,98,018 | 10,04,708 | 46,015 | 15,26,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,959 | 4,14,361 | 64,88,929 | 9,61,622 | 35,457 | 14,01,440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, ... | 428,469 | 4,[illegible]8,844 | 74,69,685 | 11,63,703 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | ,, ,, 24th ,, ... | 423,142 | 3,[illegible]844 | 64,08,009 | 10,94,422 | 48,134 | 15,40,400 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | ,, ,, 31st ,, ... | 423,877 | 4,[illegible]102 | 61,65,539 | 10,32,975 | 40,418 | 14,75,495 | 644 | 366,969 | 4 0 4 |
| | Totals up to date ... | 8,605,571 | 74,5[illegible]06 | 12,36,79,913 | 1,84,14,806 | 7,43,303 | 2,66,08,815 | 661 | 6,596,096 | 4 0 7 |

* Audited figures.

## [illegible] BRANCH RAILWAY.

*Approximate Return of Traffic for week ended [illegible] October 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 27,191 | 5,035 0 0 | 73,356 0 | 1,454 0 0 | 8 0 0 | 7,397 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway .. | ..... | 267 3 7 | ..... | 65 7 5 | 0 5 9 | 333 0 9 | ..... | ..... | ..... |
| For previous 10¾ weeks of half-year | 352,164 | 80,446 0 0 | 5,19,149 0 | 11,613 0 0 | 193 0 0 | 92,252 0 0 | 21,974 | 2,616 | 24,590 |
| Total for 17¾ weeks .. | 379,355 | 86,381 0 0 | 5,92,505 0 | 13,067 0 0 | 201 0 0 | 99,649 0 0 | 23,311 | 2,775 | 26,086 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 23,981 | 5,051 0 2 | 22,984 10 | 766 4 0 | 10 2 9 | 5,827 6 11 | 1,335 | 159 | 1,494 |
| Per mile of railway corresponding week of previous year. | ..... | 227 6 9 | ..... | 34 8 0 | 0 7 4 | 262 6 1 | ..... | ..... | ..... |
| Total for corresponding 17¾ weeks of previous year. | 399,808 | 90,800 3 11 | 6,75,202 0 | 10,474 9 0 | 120 0 3 | 1,01,394 13 2 | 23,860 | 2,859 | 26,719 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. No. of passengers. | Coaching Traffic. Rs. | Merchandise and Mineral Traffic. Mds. | Merchandise and Mineral Traffic. Rs. | Other earnings. Rs. | Total. Rs. | Per mile of railway. Rs. | Train mileage. No. | Train mileage. Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| *22·21 | Month of July ... | 105,[illegible] | 24,205 | 77,616 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | ,, ,, Aug. ... | 80,[illegible] | 18,549 | 2,86,923 | 4,500* | 34 | 23,083 | 1,039 | 6,622 | 3 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,770 | 3,065 | 3,761 | 133 | 8 | 4,106 | 185 | 854 | 4 12 11 |
| 22·21 | Week ended 11th ,, ... | 22,819 | 4,838 | 35,615 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,8[illegible] | [illegible] | 38,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,1[illegible] | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. ... | 21,514 | 4,750 | 17,230 | 550 | 14 | 5,323 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,184 | 6,201 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, ... | 22,631 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, ... | 22,877 | 4,932 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| 22·21 | ,, ,, 30th ,, ... | 27,191 | 5,935 | 73,356 | 1,454 | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| | Totals up to date ... | 379,355 | 86,381 | 5,92,505 | 13,067 | 211 | 99,649 | 257 | 26,086 | 3 13 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 118,291 | 27,165 | 102,569 | 2,093 | 30 | 29,988 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, Aug. ... | 87,449 | 20,919 | 1,01,142 | 1,385 | 35 | 22,339 | 1,006 | 6,836 | 3 4 3 |
| 22·21 | First 5 days of Sept. | 13,292 | 3,468 | 33,493 | 394 | 4 | 3,866 | 174 | 1,199 | 3 3 7 |
| 22·21 | Week ended 12th ,, | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,522 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, | [illegible] | 4,015 | 1,43,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, | [illegible] | 4,480 | 48,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. | 15,612 | 6,384 | 13,905 | 602 | 5 | 6,041 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, [illegible]th ,, | 23,199 | 5,130 | 1,19,206 | 1,111 | 13 | 6,254 | 282 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, | 21,796 | 4,611 | 26,971 | 877 | 1 | 5,489 | 247 | 1,498 | 3 10 8 |
| 22·21 | ,, ,, 24th ,, | 23,278 | 5,012 | 21,097 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·21 | ,, ,, 31st ,, | 23,[illegible] | 5,051 | 22,984 | 766 | 10 | 5,827 | 262 | 1,494 | 3 14 5 |
| | Totals up to date ... | 309,0[illegible] | [illegible],801 | 6,75,202 | 10,474 | 120 | 1,01,395 | 260 | 26,719 | 3 12 9 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 30th October 1909 on 162·36 miles open.*

| | Coaching Traffic. No. of passengers. | Coaching Traffic. Coaching receipts. | Merchandise and Mineral Traffic. Weight carried. | Merchandise and Mineral Traffic. Receipts. | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. Coaching. | Traffic Train-miles run. Merchandise. | Traffic Train-miles run. Total. |
|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Mds. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 27,673 | 28,902 0 0 | 214,523 0 | 19,727 0 0 | 107 0 0 | 48,736 0 0 | 10,262 | 3,901 | 14,163 |
| Or per mile of railway ... ... | ... | 178 0 2 | .. | 121 8 0 | 0 10 7 | 300 2 9 | | | |
| For previous 16½ weeks of half-year. | 460,601 | 3,79,820 0 0 | 30,25,243 0 | 2,37,466 0 0 | 1,961 0 0 | 6,19,247 0 0 | 167,119 | 50,741 | 217,860 |
| Total for 17½ weeks | 488,274 | 4,08,722 0 0 | 32,39,766 0 | 2,57,193 0 0 | 2,068 0 0 | 6,67,983 0 0 | 177,381 | 54,642 | 232,023 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 22,136 | 20,623 2 11 | 3,58,526 30 | 23,101 1 0 | 51 12 3 | 43,776 0 2 | 12,409 | 4,604 | 17,073 |
| Per mile of railway corresponding week of previous year | ... | 127 0 4 | ... | 142 4 7 | 0 [illegible] 1 | 269 10 0 | .. | ... | ... |
| Total for corresponding 17½ weeks of previous year | 460,005 | 3,61,831 15 10 | 41,18,048 2[illegible] | 2,86,319 9 5[illegible] | 802 2 3 | 6,48,953 11 0 | 209,039 | 77,259 | 286,298 |

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. No. of passengers. | Coaching Traffic. Rs. | Merchandise and Mineral Traffic. Mds. | Merchandise and Mineral Traffic. Rs. | Other earnings. Rs. | Total. Rs. | Per mile of Railway. Rs. | Train mileage. No. | Train mileage. Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| *162·36 | For the month of July ... | 131,949 | 1,03,184 | 7,22,057 | 51,085 | 576 | [illegible],845 | 954 | 57,654 | 2 11 0 |
| *162·36 | ,, ,, ,, Aug. ... | 126,757 | 1,00,1[illegible] | 7,96,097 | 59,54[illegible] | [illegible] | 1,60,196 | 987 | 58,345 | 2 11 11 |
| 162·36 | First 4 days of Sept. ... | 14,737 | 14,159 | 82,431 | 5,8[illegible] | [illegible] | 17,085 | 105 | 7,496 | 2 4 6 |
| 162·36 | Week ended 11th ,, ... | 32,553 | 28,813 | 1,69,808 | [illegible] | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,603 | 22,115 | [illegible] | [illegible] | 119 | 34,115 | 210 | 13,153 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 25,512 | 17,4[illegible] | [illegible],107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. ... | 20,37[illegible] | [illegible] | 2,03,639 | 18,949 | 130 | 40,143 | 247 | 13,380 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 20,0[illegible] | [illegible] | 2,01,988 | 18,344 | 130 | 44,212 | 280 | 13,816 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, ... | [illegible] | [illegible]490 | 2,03,154 | 23,009 | 107 | 46,605 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | [illegible],695 | [illegible],539 | 2,80,299 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| 162·36 | [illegible] ... | 27,673 | [illegible],902 | 2,14,523 | 19,72[illegible] | 107 | 48,736 | 300 | 14,163 | 3 7 7 |
| | Totals up to date ... | 488,274 | 4,08,72[illegible] | 32,39,766 | 2,57,193 | 2,068 | 6,67,983 | 236 | 232,023 | 2 14 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 135,760 | 94,528 | 9,90,656 | 64,034 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 126,667 | 91,505 | 8,98,368 | 64,140 | 164 | 1,55,809 | 960 | 70,852 | 2 3 2 |
| 162·36 | First 5 days of Sept. ... | 19,550 | 15,451 | 1,12,121 | 8,802 | 41 | 24,354 | 150 | 11,513 | 2 1 10 |
| 162·36 | Week ended 12th ,, ... | 22,701 | 19,223 | 1,94,727 | 14,928 | 29 | 34,179 | 211 | 13,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 2,36,042 | 15,188 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 2,39,810 | 16,250 | 73 | 33,746 | 208 | 15,047 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 23,945 | 22,376 | 2,66,788 | 18,344 | 61 | 40,781 | 251 | 16,842 | 2 0 9 |
| 162·36 | ,, ,, 10th ,, ... | 23,898 | 18,736 | 3,16,004 | 23,775 | 65 | 42,576 | 262 | 13,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 24,453 | 21,500 | 3,02,372 | 19,748 | 76 | 41,324 | 255 | 17,269 | 2 6 3 |
| 162·36 | ,, ,, 24th ,, ... | 21,414 | 22,588 | 2,42,632 | 18,050 | 40 | 40,678 | 251 | 16,396 | 2 7 8 |
| 162·36 | ,, ,, 31st ,, ... | 22,136 | 20,623 | 3,28,527 | 23,101 | 52 | 43,776 | 270 | 17,073 | 2 9 0 |
| | Totals up to date ... | 460,005 | 3,61,832 | 41,18,047 | 2,86,320 | 802 | 6,48,954 | 227 | 286,298 | 2 4 3 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 30th October 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 68,000 | 49,000 0 0 | 423,500 0 | 58,500 0 0 | 6,000 0 0 | 1,13,500 0 0 | 14,046 | 20,685 | 34,731 |
| Or per mile of railway ... ... | 88·54 | 63·80 | 549·28 | 75·88 | 7·78 | 147·46 | 18·29 | 26·83 | 45·12 |
| For previous 17 weeks of half-year ... .. ... | 880,147 | 5,33,078 0 0 | 5,340,720 0 | 8,84,305 0 0 | 88,412 0 0 | 15,05,795 0 0 | 228,983 | 346,646 | 575,629 |
| Total for 18 weeks ... | 948,147 | 5,82,078 0 0 | 5,764,220 0 | 9,42,805 0 0 | 94,412 0 0 | 16,19,295 0 0 | 243,029 | 367,331 | 610,360 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 62,265 | 35,820 0 0 | 432,354 0 | 56,713 0 0 | 6,655 0 0 | 99,188 0 0 | 13,428 | 22,324 | 35,752 |
| Per mile of railway corresponding week of previous year ... | 81·07 | 46·64 | 560·77 | 73·56 | 8·63 | 128·83 | 17·48 | 28·95 | 46·43 |
| Total to corresponding date of previous year ... ... ... | 915,444 | 5,46,539 0 0 | 5,525,721 0 | 8,79,297 0 0 | 95,731 0 0 | 15,21,557 0 0 | 263,866 | 358,939 | 622,805 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway*

| Receipts for week ending 30th October 1909. | | | Receipts for week ending 31st October 1908. | | | Total receipts from 1st April 1909 to 30th October 1909. | | | Total receipts from 1st April 1908 to 31st October 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,13,500 | 147·46 | 771 | 99 188 | 128·83 | 771 | 27,03,[illegible] | ... | 771 | 26,23,577 | .. | 1,39,683 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY

*Approximate Return of traffic for week ending 30th October 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... .. ... | 283,440 | 1,10,540 (a) | 792,790 | 98,590 (b) | 24,840 | 2,33,970 | 59,369 | 30,903 (c) | 90,272 |
| Or per mile of railway | 151·82 | 59 21 | 424·63 | 52 81 | | 125 32 | ..... | ..... | ..... |
| For previous 16½ weeks of half-year (d) ... ... | 5,050,590 | 18,21,810 | 12,748,147 | 14,37,508 | 90,157 | [illegible] | 936,856 | 586,468 | 1,523,324 |
| Total for 17½ weeks ... | 5,334,030 | 19,32,350 | 13,540,937 | 15,36,098 | 3,[illegible],997 | 37,83,445 | [illegible] | [illegible] | 2,613,596 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 260,222 | 96,716 | 1,052,210 | 1,64,930 | 21,936 | 2,73,582 | 59,798 | (e) 48,436 | 108,234 |
| Per mile of corresponding week of previous year ... ... ... | 145·29 | 54·00 | 587·50 | 86·50 | 12·25 | 152·75 | .. | ..... | |
| Total to corresponding date of previous year ... . .. | 5,332,011 | 20,52,290 | 15,126,040 | 17,75,856 | 3,75,512 | 42,03,658 | 1,053,743 | 680,126 | 1,733,869 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... .. | | 1·86 | | 3·19 | ·28 | 2·59 | | | |
| Ditto for corresponding week of previous year ... ... | | 1·62 | | 3·20 | ·29 | 2·53 | | | |

(a) Increase due to improved local movements.
(b) Decrease chiefly under local and foreign inwards: foreign outwards shews an improvement.
(c) Includes 5,084 miles of ballast trains.
(d) Ditto audited figures up to August 1909.
(e) Ditto 7,574 miles of ballast trains.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the week ending 6th November 1909 ... | Coaching ... | 11,438 | 0 | 0 | | | |
| | Goods ... | 15,733 | 0 | 0 | 27,253 | 0 | 0 |
| | Other earnings ... | 82 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 9,932 | 0 | 0 | | | |
| | Goods ... | 9,713 | 0 | 0 | 19,719 | 0 | 0 |
| | Other earnings ... | 74 | 0 | 0 | | | |
| | Increase ... | | | | 7,534 | 0 | 0 |
| Receipts per mile for the week ending 6th November 1909 ... | | | | | 534 | 6 | 0 |
| Ditto for the corresponding period of 1908 ... | | | | | 386 | 10 | 4 |
| | Increase ... | | | | 147 | 11 | 8 |
| Receipts from the 1st July to 6th November 1909 ... | | | | | 3,54,300 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | | | | | 3,36,768 | 0 | 0 |
| | Increase ... | | | | 17,532 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 17th November 1909.

REGISTERED No. C 209.]

No. 47 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, NOVEMBER 24, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Annual Progress Report of the Forest Department in the Province of Bengal for the year 1908-09 ... | 1735—1737 |
| Appointment of local Committee to advise Indian Students proceeding to England ... | 1738—1739 |
| Report on the state of the Salt Market for the second quarter of 1909-10 ... | 1740—1742 |
| Monthly Weather and Crop Report of Bengal for October 1909 ... | 1743—1744 |
| Weather and Crop Report for the week ending the 22nd November 1909 ... | 1745—1749 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th November 1909 ... | 1750—1757 |
| Table of Rainfall recorded at stations in Bengal in October 1909 ... | 1758—1765 |
| District Rainfall Table of the Province of Bengal for October 1909 ... | 1766—1767 |
| Vital Statistics of Districts and Towns in Bengal for the month of September 1909 ... | 1768—1769 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of September 1909 ... | 1770—1773 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 14th to 20th November 1909 ... | 1773 |
| Railway Returns ... | 1774—1776 |

## RESOLUTION ON THE ANNUAL PROGRESS REPORT OF THE FOREST DEPARTMENT IN THE PROVINCE OF BENGAL FOR THE YEAR 1908-09.

REVENUE DEPARTMENT.

*Calcutta, the 20th November 1908.*

RESOLUTION—No. 3558 (Forests).

The Annual Progress Report of the Forest Department in the Province of Bengal for the year 1908-09.

Read also—

The corresponding report of the previous year and the resolution of Government thereon.

The charge of the Bengal Forest Circle was held by Mr. A. L. McIntire until the 5th November 1908 when he proceeded on long leave and was succeeded by Mr. G. S. Hart.

2. The present strength of the Imperial Forest Service is not more than sufficient for the supervision of the existing Government forests, and the

question of applying for an officer to assist the Commissioner of Orissa in the management of the forests in the Orissa Tributary States is under the consideration of Government. It has also been alleged that the subordinate service is not adequate to the needs of forest administration in the Province, and the proposals of the Conservator for an increase of its cadre will be awaited. It may be hoped that the strengthening of this service, together with the improvements which have been recently sanctioned in the Provincial School at Kurseong, will result in an improvement in the work of the subordinate staff, which the Conservator at present appears to consider disappointing.

3. *Management.*—The Conservator has referred to the condition of some of the protected forests of the Province in which the demand for produce exceeds the possible yield, and the grazing is so excessive as to prevent all chance of natural regeneration. The question is under the consideration of Government, but its solution will depend largely on whether the continued preservation of such forests in any place is necessary in the interests of those who enjoy rights in them and their posterity. Wherever this may be so, it is obvious that in future the right-holders will have to submit to such regulations as will limit their enjoyment of forest produce to the annual yield which the forests are capable of affording after due provision for regeneration. This will entail restrictions on both cutting and grazing which may arouse opposition, but the maintenance of forest in areas of a certain type is now recognized not to be a matter of merely local interest. It is established by scientific observation that denudation of a country has prejudicial effects probably on its climate, but certainly on its fertility and the moisture of the soil. Accordingly Government recognizes the duty of preserving forests where their existence is necessary to the population, and has directed the Conservator to submit proposals for the more effectual management of protected forests.

4. *Communications, etc.*—Of forest roads, 58 miles were completed in 1907-08, against 60 miles in the previous year, the cost falling from Rs. 26,899 to Rs. 15,463. Most of this work was done in the Singhbhum Division. Forests, devoid of good roads, are incapable of profitable exploitation, and their timber commands no sale in the market. Well-directed expenditure under this head is therefore remunerative in the highest degree, and efforts should be made to render all parts of the reserves easy of access It is a matter for satisfaction also, that the housing of subordinates continues to improve. In unhealthy climates bad accommodation reacts on the health of the staff, and money spent in this way must mean a larger percentage of officers present on duty and better and more thorough supervision.

5. *Protection of Forest: Breaches of Forest Law.*—The number of forest offences reported is less by 155 than in 1907, and by 384, or 15 per cent., than the average of the last three years. This is a sensible reduction, and is said to be the result of the firmer administration of the Forest Act in recent years. The principle of condoning grazing offences on condition that the owners of cattle should [illegible] to keep their animals out of closed blocks, which is reported from the Darjeeling [illegible] appears to be a good one and capable of wide extension.

6. *Protection from Fire.*—The success of the special measures taken for fire-protection during 1908 is very marked, as little over 1 per cent. of [illegible] so protected was burnt. That such a result was possible was due to the early commencement of the monsoon and the occurrence of showers during the hot-weather months of April and May. One disastrous fire occurred in the Darjeeling Division where conditions as to rain were less favourable. This fire starting in Nepal gathered such headway before it crossed the frontier, driven by a strong west wind, that over 6,000 acres of forests were burnt before it could be extinguished. In order to avoid a similar conflagration in future the Nepal Darbar has been requested to assist in the maintenance of an adequate fire-line on the border.

7. *Protection from cattle and against injuries from other causes.*—The most difficult question that engages the attention of Government and the Forest Department at present is that of the supply of adequate facilities for grazing

and for gathering fodder. The results of over-grazing are graphically described in paragraph 33 of the Conservator's report, and are obvious even to a person without technical knowledge when he sees side by side blocks open and closed to grazing. Unrestricted grazing absolutely prevents natural regeneration, as cattle seem to prefer the seedlings of some kinds of the better trees to any other fodder, while, as their natural pasture becomes depleted, they eventually attack most varieties. It is hoped that in the Darjeeling forests a remedy may be found by a combination of partial stall-feeding with fenced paddocks, which the Conservator has been trying to introduce. Depredations by wild animals continue to give trouble. Suggestions as to the future treatment of wild elephants are awaited from the Conservator. Close attention should also be paid to the destruction of man-eating tigers, especially in the Sundarbans. It is gratifying to observe that the measures taken last year for their destruction led to a diminution in the number of men killed in this way, but no less than 103 persons met their death from these animals. It is clear that they are still both numerous and savage; but it is to be hoped that the increase of the reward in the Sundarbans to Rs. 200 a tiger will lead to their destruction in greater number.

8. *Sylviculture.*—Owing to the increased expense of planting, closer attention has been paid in later years to natural regeneration. The Conservator now reports that *sál* regeneration can be obtained under the conditions prevalent in most of the forests of this circle. It may be anticipated therefore that recourse to artificial reproduction may become in future the exception, rather than the rule.

9. *Financial results.*—From a financial and commercial point of view the results of the working of the year were very satisfactory. The total revenue rose to Rs. 12,16,948 as against Rs. 11,66,700 in the preceding year, and Rs. 10,16,435, the average of the five preceding years, while the total expenditure decreased to Rs. 5,96,506 as against Rs. 7,10,309 of the previous year, and the quinquennial average was Rs. 5,85,631. The result was a net income of Rs. 6,20,442. The dullness of the timber market was the cause of smaller profit in some of the principal divisions, but in the Chaibassa division the deficit of the previous year was changed to a surplus of Rs. 2,153 owing to the sale of *sál* timber being undertaken for the first time. In the Sundarbans division the surplus was the highest recorded since 1903-04 and amounted to Rs. 4,28,025, an increase of Rs. 1,81,993, or 74 per cent. as compared with the previous year. With the exception of the Direction and Angul divisions which were worked at a loss, all the remaining ten divisions showed a surplus of revenue over expenditure.

10. The Lieutenant-Governor desires to thank Mr. A. L. McIntire and Mr. G. S. Hart for their efficient administration and particularly to record his appreciation of Mr. A. L. McIntire's management of the Bengal Circle during the last five and-a-half years. During his incumbency the revenue returns showed continued increase, and many of the reforms that have been recently carried out were initiated by him. The Lieutenant-Governor also notes with pleasure the Conservator's appreciation of the good work done by the members of the Provincial Service.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Chief Secy. to the Govt. of Bengal.*

## APPOINTMENT OF LOCAL COMMITTEE TO ADVISE INDIAIN STUDENTS PROCEEDING TO ENGLAND.

GENERAL DEPARTMENT—EDUCATION.

*Calcutta, the 23rd November 1909.*

RESOLUTION No. 4352.

In July 1909 the Government of India announced that the Secretary of State had decided to establish a Bureau in London for the supply of information to Indian students, as well as a Standing Committee for general advisory purposes. The Bureau and the Committee were to work in close relation with one another; and the head of the Bureau, who would be called the Educational Adviser to Indian students, would also act as Secretary to the Advisory Committee. The functions of the Bureau, as laid down by the Secretary of State, are to answer enquiries in regard to educational facilities, to keep a list of lodgings and boarding-houses suitable for Indian students and of private families willing to receive them on such terms as may be arranged; to furnish students with references; to bring to the notice of the Advisory Committee any cases in which the regulation of educational institutions bears hardly on Indian students; and generally to give all possible assistance either to students themselves or to their parents in India. It was also laid down that the Bureau would be in close touch with the Board of Education in England and with Local Committees in India.

The Government of India have directed that local Committees should be established in each Province, who would be in direct communication with the Central Bureau in England. The functions of the Committees are—

(1) To furnish information and advice to Indians who contemplate going to England.

(2) To circulate in India to Colleges and other institutions the educational, financial and social information collected by the Central Bureau in London.

(3) To communicate with the Central Bureau on behalf of students before they start, or on behalf of their parents when they are in England.

(4) To keep up to date the handbook of information which will be published by the Central Bureau in London.

It has been considered advisable by the Government of India that there should be mufassal members of the Committees, and that those should be selected who would be likely to take a personal interest in their work and would explain their objects and advantages throughout the area in which they exercise a local influence.

In accordance with these instructions the Lieutenant-Governor is pleased to appoint in Bengal as members of the Provincial Committee the following gentlemen who have accepted His Honour's invitation to serve on the Committee :—

The Hon'ble Sir Asutosh Mookerji, C.S.I., M.A., D.L., D.SC., Vice-Chancellor, Calcutta University (President).
Nawab A. F. M. Abdur Rahman, Judge, Small Cause Court, Calcutta.
Mr. Syed Ali Imam, Standing Counsel, Calcutta.
Dr. Satish Chandra Bagchi, B.A. (Cantab.), LL.D. (Dublin), Barrister-at-Law, Principal, University Law College, Calcutta.
Sir Guru Das Banerji, KT., M.A., D.L., PH.D.
Mr. Jitendra Nath Banerji, Barrister-at-Law.
Dr. Jagadish Chandra Bose, M.A., D.SC., C.I.E., Indian Educational Service.
Canon E. F. Brown, M.A., Superior, Oxford Mission, Calcutta.
Mr. Jogendra Nath Das Gupta, B.A. (Oxon.), Professor, Presidency College.
Babu Jogendra Chandra Ghosh, M.A., B.L.
Dr. Rash Behary Ghose, C.S.I., C.I.E., M.A., D.L.
Mr. H. R. James, M.A. (Oxon), Officiating Director of Public Instruction, Bengal.
Mr. S. Khuda Baksh, M.A., B.C.L. (Oxon), Barrister-at-Law.
Mr. Thomas McMorran, Messrs. Duncan Brothers & Co., Calcutta.
Professor S. C. Mahalanobis, B.SC., F.R.S.E., Professor, Presidency College.
Mr. Mahmood-ul-Haq, Barrister-at-Law.
The Hon'ble Sir Bijay Chand Mahtab, K.C.I.E., Maharajadhiraja Bahadur of Burdwan.

Dr. Mrigendralal Mitra, M.D., F.R.C.S.
Mr. Saroda Charan Mitra, M.A., B.L., retired Judge, High Court.
Dr. Sasi Bhusan Mitra, M.B., B.SC. (London)
Shams-ul-ulamah Maulvi Mohammad Yusuf Khan Bahadur, B.L.
Mr. R. N. Mukherji, C.I.E., Messrs. Martin & Co., Calcutta.
Mr. S. C. Mullick, B.A. (Cantab), M.A. (Calcutta), I.C.S.
Dr. Prafulla Chandra Ray, D.SC., Professor, Presidency College.
Dr. E. Denison Ross, PH.D., Principal, Calcutta Madrassa.
The Hon'ble Mr. Justice Saiyid Shurf ud-din, Barrister-at-Law.
The Hon'ble Babu Deba Prasad Sarbadhikari, M.A., B.L.
Babu Binayendra Nath Sen, M.A., Professor, Presidency College.
Dr. Garfield Williams, Young Men's Christian Association, College Branch, Calcutta.

LOCAL CORRESPONDENTS.

PRESIDENCY DIVISION.

Babu Debendra Chandra Ghosh, B.L., retired Government Pleader of the 24-Parganas, Bhawanipur.
Rev. E. M. Wheeler, M.A., Principal, Krishnath College, Berhampore.
Mr. Tej Chandra Mukherji, M.A., B.L., District and Sessions Judge, Khulna.
Mr. Murali Mohan Ghose, Krishnagar.

BURDWAN DIVISION.

Babu Kanika Nanda Mukherji, B.L., Government Pleader, Suri.
The Hon'ble Mr. Justice Digambar Chatterjee, M.A., B.L., Bankura.
Babu Behari Lal Banerji, M.A., B.L., retired Subordinate Judge, Baidyabati.
Babu Joykali Chakravartti, B.L., Amta.

BHAGALPUR DIVISION.

Mr. Wasiuddin Ahmad, Barrister-at-Law, Bhagalpur.
Babu Lachmi Prasad Singh, Monghyr.
Mr. Mohammad Shareef, Barrister-at-Law, Purnea.

PATNA DIVISION.

Babu Kali Kumar Singh, Patna.
Babu Chaturbhuj Sahai, Arrah.
Haji Saiyid Ali Imam, Gaya.

TIRHUT DIVISION.

Mr. Mahbub Hassan, Barrister-at-Law.
Babu Gauri Sankar, Darbhanga Raj, Darbhanga.
Babu Jagannath Saran, B.L., Vakil, Chapra.

CHOTA NAGPUR DIVISION.

Mr. L. Tipping, B.A. (Cantab) and B.A. (Lond.), Indian Educational Service, Head Master, Zilla School, Ranchi.
Babu Sarat Chandra Sen, B.L., Vakil, Purulia.
Rev. S. L. Thompson, M.A., Principal, Dublin University Mission, Hazaribagh.

ORISSA DIVISION.

The Hon'ble Mr. Madhu Sudhan Das, M.A., B.L., C.I.E., Cuttack.
Rai Madhu Sudhan Rao Bahadur, Deputy Inspector of Schools, Cuttack.
Rai Ram Krishna Bimbadhar Misra Bahadur, Sambalpur.

Mr. Nirmal Chandra Sen, M.A., Barrister-at-Law, is appointed Secretary to the Committee for one year with an allowance of Rs. 200 a month, and will enter upon his duties at once.

The Lieutenant-Governor does not wish that members of the Provincial Committee who are local correspondents should consider themselves bound as a matter of course to attend meetings of the Provincial Committee at the Presidency; but His Honour trusts that some will attend when they can do so without personal inconvenience. It is desirable that members of the Committee at the Presidency should meet as a body at an early date on the requisition of the President, and form an Executive Committee from among themselves which will deal direct with the Central Bureau in London.

By order of the Lieutenant-Governor of Bengal,

J. G. CUMMING,
*Secy. to the Govt. of Bengal.*

## REPORT ON THE STATE OF THE SALT MARKET FOR THE SECOND QUARTER OF THE YEAR 1909-10.

No. 5741B., dated Calcutta, the 11th November 1909.

From—SRIGOPAL BHATTACHARJI, ESQ., M.A., B.L., Secretary to the Board of Revenue, L. P., Misc. Revenue Dept.,

To—The Secretary to the Government of Bengal, Financial Department.

*Member in charge:*
THE HON'BLE MR. W. C. MACPHERSON, C.S.I., I.C.S.

I AM directed to submit the following report on the state of the salt market for the second quarter of the year 1909-10, comprising the months of July, August and September 1909.

2. The quantity of salt of every description cleared during the quarter amounted to 25,55,338 maunds, as compared with 32,60,833 maunds in the previous quarter, and 25,90,510 maunds in the corresponding quarter of the previous year. The net amount of duty levied thereon was Rs. 22,70,857 as against Rs. 31,82,731 in the previous quarter, and Rs. 23,41,801 in the corresponding quarter of the previous year.

3. The subjoined Table I shows in detail the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter, as compared with the figures of the corresponding quarters of the two previous years:—

TABLE I.

| WHENCE IMPORTED. | 1907-08. Second quarter. | | 1908-09. Second quarter. | | 1909-10. Second quarter. | |
|---|---|---|---|---|---|---|
| | Imported. | Cleared. | Imported. | Cleared. | Imported. | Cleared. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | MDS. | MDS. | MDS. | MDS. | MDS. | MDS. |
| United Kingdom | 15,4[illegible],426 | 10,18,886 | 10,58,930 | 6,20,970 | 8,01,132 | 8,32,030 |
| Hamburg and Bremen. | 8,31,861 | 2,80,125 | 1,91,292 | 3,65,652 | 2,64,992 | 2,40,402 |
| Port Said ... | 2,71,[illegible]74 | 1,41,563 | 1,37,391 | 2,03,936 | 2,63,512 | 1,90,603 |
| Spain ... | 4,38,4[illegible]2 | 2,57,836 | 7,17,225 | 4,47,128 | 3,64,261 | 4,45,185 |
| Belgium ... | ... | 65 | ... | 163 | ... | ... |
| Salif ... | 2,40,33[illegible] | 2,65,474 | 3,09,674 | 3,58,466 | 1,82,389 | 3,07,070 |
| Aden ... | 5,44,41[illegible] | 2,13,720 | 1,60,408 | 3,37,692 | 1,98,384 | 2,43,865 |
| Rock Salt ... | 3,484 | 8,926 | ... | 5,300 | 824 | 5,150 |
| East Africa, Mauritius, etc. | ... | 11 | ... | ... | ... | ... |
| Bombay ... | 78,078 | 2,11,4[illegible] | [illegible]75 | 2,11,937 | 88,042 | 1,74,987 |
| Phooee ... | 1,69,812 | 20,775 | ... | 3,830 | ... | 632 |
| Massowah ... | ... | ... | ... | ... | 1,42,917 | 85,023 |
| Madras, Coconada, Vizagapatam, Masulipatam, etc. | ... | ... | ... | ... | [illegible] | ... |
| Total ... | 41,25,026 | 24,18,840 | 25,86,795 | 25,55,074 | 23,10,453 | 25,24,947 |

Compared with the corresponding quarter of the previous year and the same quarter of 1907-08, importations were less by 10·68 per cent. and 43·99 per cent., respectively; the corresponding figures for clearances are respectively 1·18 per cent. less and 4·39 per cent. in excess. The decreased imports from the United Kingdom and Spain are specially noticeable.

4. Table II shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the preceding four quarters :—

TABLE II.

| WHERE STORED. | Second quarter of 1908-1909. | Third quarter of 1908-1909 | Fourth quarter of 1908-1909. | First quarter of 1909-1910. | Second quarter of 1909-1910 |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | MDS. | MDS. | MDS. | MDS. | MDS. |
| Sulkea Government Salt Golas | 16,30,038 | 18,47,334 | 30,97,295 | 34,79,065 | 33,31,267 |
| Kidderpore Dock ditto ... | 5,06,053 | 5,77,465 | 4,43,925 | 1,22,958 | 1,06,666 |
| Chandbali (private bonded salt warehouses). | 9,000 | 6,000 | 24,450 | 14,000 | 16,300 |
| Total ... | 21,45,091 | 24,30,799 | 35,65,670 | 36,16,023 | 34,54,233 |

The stocks remaining in the golas at the close of the quarter were less than those of the previous two quarters, but considerably greater than those of the quarters July to December 1908.

5. The figures showing the despatches of salt from Calcutta by different routes during the quarter under report will be published as usual in the *Calcutta Gazette* by the Director-General of Commercial Intelligence when they are available.

6. The quantity of salt despatched during the quarter by the East Indian Railway to stations beyond Buxar amounted to 1,326 maunds, as against 442 maunds in the previous quarter and *nil* in the corresponding quarter of the previous year.

7. The quantity of saltpetre salt excised in the refineries of Bengal during the quarter amounted to 4,444 maunds,* as compared with [illegible],810 maunds in the previous quarter, and 5,464 maunds in the corresponding quarter of the previous year.

* Includes 20 maunds of *sitta*.

8. The shipments of Liverpool salt during the quarter for the port of Calcutta according to the published market reports amounted to 44,000 tons. No vessel is at present on the sea bound for Calcutta with salt from Hamburg.

9. Table III shows the average wholesale prices† per 100 maunds of Liverpool salt and other descriptions of salt during each fortnight of the quarter :—

TABLE III.

| DESCRIPTION OF SALT. | Fortnight ending 15th July 1909. | Fortnight ending [illegible] July 1909. | Fortnight ending 15th August 1909. | Fortnight ending 31st August 1909. | Fortnight ending 15th September 1909. | Fortnight ending 30th September 1909. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. | RS. A. P. |
| Liverpool *panga* ... | 34 0 0 | 34 0 0 | 34 0 0 | 34 0 0 | 34 12 6 | 36 1 2 |
| Hamburg *karkuch* | 31 0 0 | 31 0 0 | 30 9 1 | 31 0 0 | 31 0 0 | 26 8 0 |
| Bombay *ditto* ... | 45 3 2 | 53 11 5 | 59 0 0 | 62 8 0 | 55 6 0 | 55 0 0 |
| Aden crushed ... | 30 0 0 | 30 0 0 | 30 0 0 | 30 0 0 | 30 0 0 | 32 10 0 |
| Salif do. ... | 32 0 0 | 32 0 0 | 32 0 0 | 32 0 0 | 32 0 0 | 31 6 4 |
| Spanish *karkuch* ... | 30 0 0 | 30 0 0 | 29 6 4 | 30 0 0 | 30 0 0 | 29 7 4 |

† These prices are exclusive of Port Commissioners' special toll of annas 4 per ton and Customs duty of Re. 1 per maund.

*Statement showing the normal and actual Rainfall in each district during October 1909.*

| Division. | District. | Normal district rainfall for the month of October. | Actual district rainfall for the month of October. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 3·35 | 2·58 | —0·77 |
| | Birbhum ... | 3·52 | 2·81 | —0·71 |
| | Bankura ... | 3·15 | 1·07 | —2·08 |
| | Midnapore ... | 4·41 | 2·37 | —2·04 |
| | Hooghly ... | 3·92 | 5·73 | +1·81 |
| | Howrah ... | 3·79 | 3·28 | —0·51 |
| | 24-Parganas ... | 5·21 | 4·82 | —0·39 |
| | Calcutta ... | 3·87 | 3·77 | —0·10 |
| | Nadia ... | 4·04 | 6·64 | +2·60 |
| | Murshidabad ... | 3·75 | 3·58 | —0·17 |
| | Jessore ... | 4·44 | 9·33 | +4·89 |
| | Khulna ... | 5·21 | 8·21 | +3·00 |
| Bihar ... | Patna ... | 2·66 | 1·20 | —1·46 |
| | Gaya ... | 2·27 | 0·21 | —2·06 |
| | Shahabad ... | 2·61 | 0·41 | —2·20 |
| | Saran ... | 2·67 | 0·94 | —1·73 |
| | Champaran ... | 3·28 | 3·35 | +0·07 |
| | Muzaffarpur ... | 2·61 | 1·66 | —0·95 |
| | Darbhanga ... | 2·16 | 1·27 | —0·89 |
| | Monghyr ... | 2·49 | 0·93 | —1·56 |
| | Bhagalpur ... | 2·58 | 0·92 | —1·66 |
| | Darjeeling ... | 4·23 | 4·65 | +0·42 |
| | Purnea ... | 2·86 | 4·68 | +1·82 |
| | Sonthal Parganas | 3·15 | 1·27 | —1·88 |
| Orissa ... | Cuttack ... | 6·19 | 1·89 | —4·30 |
| | Balasore ... | 5·54 | 1·94 | —3·60 |
| | Angul ... | 4·53 | 1·09 | —3·44 |
| | Puri ... | 7·18 | 2·72 | —4·46 |
| | Sambalpur ... | 1·95 | 0·06 | —1·89 |
| Chota Nagpur | Hazaribagh ... | 3·13 | 0·48 | —2·65 |
| | Ranchi ... | 2·63 | 1·84 | —0·79 |
| | Palamau ... | 2·69 | 0·43 | —2·26 |
| | Manbhum ... | 2·70 | 0·76 | —1·94 |
| | Singhbhum ... | 2·80 | 1·12 | —1·68 |

## WEATHER AND CROP REPORT.

*For the week ending the 22nd November 1909.*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 9½ | 9¼ | Prospects of *rabi* crops good. Harvesting of *aman* paddy commenced. Cattle-disease reported from the Asansol subdivision. Stocks of food-grains, fodder and drinking water sufficient. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Autumn crops being harvested. Standing crops doing well. No apprehension of scarcity. Fodder and water sufficient. No cattle-disease. |
| 3 | BANKURA ... | Nil | 11 | 11 | Weather seasonable. Sowings of *rabi* crops continuing. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE .. | Nil | [illegible] | 9 | Rainfall at Contai and Ghatal *nil*. Weather seasonable. Sowing of late cotton going on. Cattle-disease in thana Salbani only. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Contai and at 12 seers at Ghatal. Report from Tamluk not received. |
| 5 | HOOGHLY ... | Nil | 9 | 9½ | Weather seasonable. Prices of food-grains almost stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Sowings of *rabi* crops continuing. Fodder and water sufficient. Some cattle-disease reported in thanas Polba and Haripal. |
| 6 | HOWRAH ... | ... | 9½ | 9½ | Weather seasonable. Prospects of standing paddy outside the flooded tract good. Harvesting of early winter rice commenced at some places. *Rabi* sowings being completed. Prospects of sugarcane and of vegetables fair. Stocks of food-grains, fodder and water sufficient. No cattle-disease reported. Common rice selling at 10 seers a rupee at Ulubaria. |
| 7 | 24-PARGANAS ... | ... | 8½ | 9 | Weather seasonable. Prospects good. Common rice selling at 8 seers a rupee at Barasat, at 9 seers at Barrackpore, at 10 seers at Basirhat and at 12½ seers at Diamond Harbour. |
| 8 | NADIA ... | Nil | 11 13/16 | 11 9/16 | Rainfall at Ranaghat 0·02 at Meherpur 1·14, and at Kustia 0·38 inch. Sowing of *rabi* crops almost finished. Harvesting of winter rice commenced and that of *kalai* and *til* continuing. Prospects good. Prices of food-grains fallen. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Karimpur and Haringhata thanas. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | Nil | 11½ | 11½ | Weather seasonable. Condition of sugarcane and mulberry good. Cultivation of *rabi* crops going on. Winter rice crop good. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. Stocks of food-grains sufficient. |
| 10 | JESSORE ... | ... | 11¾ | 11 | Rainfall at Jhenida *nil*, at Magura 0·03, at Narail 0·81 and at Bongaon 0·22 inches. Weather seasonable. Rainfall not general. Harvesting of winter rice and sowing of *rabi* crops going on. Prospects good. Stocks of food-grains, fodder and water sufficient. No cattle-disease reported. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 9½ | 9½ | Rainfall at Satkhira *nil* and at Bagerhat 0·11 inch. Weather cloudy and hot. Prospects of standing crops good. |
| 12 | PATNA ... | Nil | 12<br>20* | 11¼<br>20* | Weather seasonable. Paddy ripening. Sowing of *rabi* crops almost completed. Rain wanted for early sown *rabi* crops. Insects doing damage to crops in thana Mokameh. Pressing of sugarcane going on. Condition of agricultural stock good. Cattle-disease reported from Asthawan thana. Fodder and water sufficient. |
| 13 | GAYA ... | Nil | 12 9/16<br>19 3/8* | 12 1/16<br>19 3/16* | *Kultika* paddy being harvested. Sowing of *rabi* and pressing of sugarcane continuing. Prices falling. Cattle-disease reported from four villages in the Aurangabad subdivision. Fodder and water for cattle sufficient. |
| 14 | SHAHABAD ... | Nil | 10<br>17* | 10<br>17* | Standing crops doing well. Sowing of *rabi* crops nearly finished. Harvesting of winter rice commenced in places. *Rabi* crops germinating fairly well. Stocks of food-grains sufficient. Prices stationary. Fodder and water sufficient. |
| 15 | SARAN ... | Nil | 12½<br>20* | 12<br>20* | Weather seasonable. Harvesting of paddy begun. Sowing of *rabi* crops almost finished. Poppy being sown. Prices of staple food-crops stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 12<br>20½* | 12<br>20¾* | Weather seasonable. Standing crops [illegible] Agricultural stock in good condition also *rabi* sowings going on. Reaping of *aghani* paddy commenced in places. Fodder and water sufficient. Cattle-disease reported from Majhowlia and Shikarpur. |
| 17 | MUZAFFARPUR | Nil | 12¾<br>21* | 12¾<br>21* | Weather seasonable. Prospects of all standing crops excellent. *Rabi* sowings almost completed. Common rice and *makai* selling at 13⅛ and 22½ seers a rupee respectively at Sitamarhi and at 10½ and 18½ seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Pupri thana. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 18 | DARBHANGA ... | Nil | 13 $\frac{5}{16}$<br>20 $\frac{7}{8}$* | 13 $\frac{5}{16}$<br>20 $\frac{7}{8}$* | Weather seasonable. Prospects of standing crops good. *Rabi* sowings still in progress. Food-stocks sufficient. Fodder and water sufficient. No cattle-disease reported. Common rice (average quality) selling at 9 $\frac{5}{16}$ seers a rupee at Sadar. *Makai* selling at 20 $\frac{7}{8}$ seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 9 $\frac{3}{4}$<br>19* | 11†<br>20* | Weather seasonable. Paddy crop being harvested. Sowing of *rabi* crops nearly finished. Condition of the crops good. Fodder and water sufficient. Cattle-disease reported from Monghyr and Gogri thanas. |
| 20 | BHAGALPUR .... | Nil | 11 $\frac{3}{8}$<br>20 $\frac{1}{4}$* | 9 $\frac{1}{2}$<br>20 $\frac{1}{4}$ | Weather seasonable. Present condition and prospects of all standing crops good. Lands being ploughed for *rabi* crops. Agricultural stocks sufficient. No cattle-disease reported. Fodder and water sufficient. |
| 21 | PURNEA ... | Nil | 12 | 12 | Weather seasonable. Condition of standing crops good. Reaping of *aghani* paddy commenced in the Araria subdivision. *Rabi* sowings still in progress. Cattle-disease reported from thanas Raniganj, Forbesganj, Kadwa and Korha. Fodder and water sufficient. Common rice selling at 12 seers *per* rupee at Kishanganj and Araria. |
| 22 | DARJEELING ... | Nil | 8<br>15* | 8<br>15* | Weather seasonable. Hills—*Bara marua, chota marua* winter rice and oilseeds in good condition. *Bhadoi* paddy being harvested. Wheat and barley being sown and germinating in some places. Terai—Oilseeds and *rabi* crop doing well. Prospects of winter rice good. Prices stationary. Food-grains sufficient. |
| 23 | SONTHAL PARGANAS. | ... | 16<br>26* | 12 $\frac{1}{2}$<br>20* | Weather seasonable. Harvesting of winter paddy going on. Prospects of standing crops very favourable. Prices of staple food-grains falling. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 13 $\frac{3}{4}$ | 13 $\frac{3}{4}$ | *Saradh* paddy ripening and in some places being cut. *Rahar*, mustard, *kulthi* and *biri* growing with hopeful prospects. Condition of cattle good. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.
† Burma rice. ‡ New rice.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 25 | BALASORE ... | Nil | 15 | 16 | Rainfall at Bhadrak *nil*. Weather seasonable. Harvesting of *laghu saradh* paddy progressing. *Guru saradh* paddy ripening. Sugarcane and *rabi* crops thriving. Vegetables doing well. Condition of cattle good. Coarse rice selling at 15 seers per rupee at Bhadrak. Prices rising at Sadar and stationary at Bhadrak. |
| 26 | ANGUL ... | Nil | Old $16\frac{13}{16}$ | Old $16\frac{3}{4}$ | Weather seasonable. Harvesting of *biri* and winter rice in progress. Condition of agricultural stock good. Old common rice selling at 16 seers per rupee at the Khondmals. Cattle-disease reported. |
| 27 | PURI ... | Nil | $11\frac{13}{16}$ | $11\frac{13}{16}$ | Weather seasonable. *Saradh* paddy ripening. *Laghu saradh* paddy being harvested. Sugarcane being pressed. *Kulthi* and mustard thriving well. Cotton in pods. Fodder and water sufficient. Common rice selling at 14 $\frac{1}{8}$ seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 16 | 16 | Reaping of winter rice, threshing of autumn and winter rice and harvesting of *mung*, *tur*, *kulthi* and cotton continuing. Condition of sugarcane good. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Rinderpest, foot-and-mouth disease reported. Common rice (average quality) selling at 15 seers a rupee at Sadar. Cheapest rice selling at 18 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | $12\frac{1}{2}$ 20* | 11 20* | Weather seasonable. Condition of standing crops good. Harvesting of paddy continuing. Fodder and water sufficient. No cattle-disease. |
| 30 | RANCHI ... | Nil | 13 | 13 | Weather seasonable. Harvesting of paddy continuing. Standing crops, excepting mustard in thana Karra, doing well. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | $12\frac{3}{8}$† | $11\frac{1}{4}$† | Weather seasonable. Harvesting of paddy continuing. *Rabi* crops doing well, but rain would be beneficial. Fodder and water sufficient. Some disease. |
| 32 | MANBHUM ... | Nil | 13 | $13\frac{1}{2}$ | Weather seasonable. Condition of standing crops good. Outturn of autumn rice estimated at 100 per cent. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 11 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 12 | 11 | Weather cold. Harvesting of winter paddy in progress. Condition of cattle good. Fodder and water sufficient. Common rice selling at $13\frac{1}{2}$ and 14 seers a rupee at Seraikella and Kharsawan, respectively. |

* The figures indicate price of the maize in seers per rupee.
† New rice.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 34 | COOCH BEHAR | Nil | | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Prices of staple food-grains almost stationary. No apprehension of scarcity. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA ‡ | ..... | ..... | ..... | Weather seasonable. Harvesting of early winter paddy in progress. Estimated outturn of early winter paddy 12 *annas* in Athgarah and Athmallik, of *laghu* paddy 16 *annas* in Nayagarh and of *rasi* 14 *annas* in Hindol. Standing crops doing well. Prospects of late paddy good. Fodder and water sufficient. During the week, price of rice fallen in three States, risen in one State and stationary in the remaining States. Prices varying from 12 seers in Khandpara and 13 seers in Tigiria to 21 seers in Patna and 22 seers in Sonpur, Baud and Barma. |

‡ The report is for the week ending the 13th November 1909.

GENERAL SUMMARY.—There was practically no rain during the week excepting a few showers in parts of the Presidency Division. Sowing of *rabi* crops are yet continuing. Harvesting of early paddy is also in progress. Pressing of sugarcane has commenced in some districts of Bihar. Prospects of all crops are on the whole good. Slight damage has been done to early sown *rabi* crops by insect-pests in Patna. The price of common rice has risen in Hooghly, the 24-Parganas, Monghyr, Balasore and Manbhum and has fallen in Burdwan, Nadia, Jessore, Patna, Gaya, Saran, Bhagalpur, the Sonthal Parganas, Angul, Hazaribagh, Palamau and Singhbhum. Cattle-disease is reported from Burdwan, Midnapore, Hooghly, Nadia, Patna, Gaya, Champaran, Muzaffarpur, Monghyr, Purnea, the Sonthal Parganas, Angul, Sambalpur, Palamau and Manbhum. The fodder and water-supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 23rd November 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarter*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu. (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | | Burdwan .. | ... | ... | ... | ... | ... | ... | 9 0 | 9 12 | 7 8 | 9 [illegible] | 10 0 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum . | 9 0 | 9 0 | 7 8 | ... | ... | . | 10 0 | 10 8 | 7 8 | 10 0 | 10 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 9 0 | 9 0 | 7 8 | ... | ... | ... | 10 0 | 10 0 | 8 8 | 11 0 | 11 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 8 0 | 6 0 | ... | ... | ... | Old 10 13 | O'd 10 8 | 7 11 | New ... Old 11 2 | New 13 2 Old 11 2 | 9 6 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly - | ... | ... | ... | ... | .. | ... | 8 8 | 7 0 | 6 2 | 9 2 | 8 8 | 7 4 | ... | ... | ... | ... | ... | ... |
| | 6 | Howrah .. | ... | ... | ... | ... | ... | ... | 7 8 | 7 8 | 6 8 | 9 0 | 9 0 | 7 0 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | Not obtainable | | 7 8 | ... | ... | ... | 9 0 | 9 0 | 6 12 | 9 8 | 9 8 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta - | 9 0 | 8 0 | 7 0 | 14 0 | 16 0 | 9 11 | 8 0 | 8 0 | 6 6 | 10 8 | 10 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 9 | Nadia ... | 8 14 | 8 0 | 8 0 | 12 4 | 11 12 | 10 12 | 8 14 | [illegible] 0 | 6 0 | 10 9 | 10 13 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 10 4 | 10 0 | 7 4 | 21 5 | 16 0 | 11 8 | 10 [illegible] | 10 8 | 7 0 | 11 8 | 11 8 | 7 12 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore . | 6 8 | 6 8 | 6 6 | 8 0 | 8 0 | [illegible] | 10 4 | 10 10 | 7 9 | 11 4 | 14 0 | 9 6 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna | ... | ... | . | ... | ... | ... | 9 8 | 9 8 | 7 8 | 12 0 | 12 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division | 13 | Patna ... | 10 8 | 10 8 | 8 0 | 19 8 | 19 0 | 12 12 | 10 0 | 10 0 | 7 8 | 11 4 | 11 2 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 9 12 | 9 12 | 7 4 | 15 6 | 15 12 | 11 14 | 10 5 | 10 4 | 6 8 | 12 1 | 11 4 | 8 0 | ... | ... | 12 0 | ... | ... | ... |
| | 15 | Shahabad ... | 10 0 | 11 0 | 8 0 | 16 0 | 17 [illegible] | 11 8 | 10 0 | ... | 7 0 | 10 4 | 10 8 | 7 12 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran ... | 10 0 | 10 0 | 8 8 | 17 [illegible] | 17 [illegible] | 14 0 | 9 8 | 8 8 | 7 8 | 12 0 | 12 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 0 | 9 8 | 7 8 | 21 0 | 21 0 | 13 0 | 11 0 | 11 8 | 8 [illegible] | [illegible] | 12 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 12 0 | 8 0 | 8 0 | 6 0 | 12 1 | 11 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 9 14 | 9 14 | 7 11 | 14 4 | 14 4 | 11 0 | 9 5 | 9 14 | 6 0 | 12 2 | 12 10 | 7 2 | ... | ... | ... | ... | ... | ... |

*Station Bazars of the districts of Bengal on the 15th November 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Cholla, Kadalay or Sengra (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cadjan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 4 | 8 12 | ... | ... | ... | 8 8 | 8 12 | 6 8 | 21 0 | 20 0 | 21 0 | 1 10 6 | Panga. 1 12 0 | Karkatch. 1 12 0 | 1 |
| ... | ... | ... | ... | ... | ... | 11 4 | 11 4 | 7 14 | | ... | ... | 8 0 | 7 8 | 6 0 | 18 0 | 14 0 | 20 0 | 2 0 0 | Karkatch. 2 1 0 | 1 15 0 | 2 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | | ... | 9 8 | 9 8 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 6 8 to 7 0 | ... | ... | ... | 8 0 | 8 0 | 6 0 | 21 0 | 21 0 | 20 0 | 1 12 0 | Crushed. 1 12 0 | 1 12 0 | 4 |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 5 12 | .. | ... | .. | 8 0 | 8 0 | 5 10 | 20 0 | 20 0 | 20 0 | 1 12 0 | Panga. 1 14 0 | 2 0 0 | 5 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 0 | ... | ... | ... | 8 0 | 9 0 | 7 0 | 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | ... | . | ... | 11 0 | 11 0 | 8 8 | ... | .. | ... | 9 8 | 9 8 | 7 8 | 22 8 | 22 8 | 21 0 | 1 12 0 | Panga. 1 12 0 | 1 9 6 | 7 |
| ... | ... | ... | 10 0 | 10 0 | 7 4 | 12 0 | 12 0 | 8 0 | 14 0 | 14 0 | 8 10 | 9 0 | 9 0 | 7 0 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | .. | ... | ... | ... | ... | 14 8 | 13 14 | 8 0 | . | ... | ... | 8 0 | 7 2 | 6 0 | 17 12 | 20 0 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 2 0 0 | 9 |
| ... | ... | ... | ... | ... | ... | 16 0 | 14 8 | 8 0 | – | ... | ... | 15 0 | 10 0 | 7 0 | 21 0 | 21 0 | 21 0 | 1 14 0 | Panga. Karkatch. 1 14 0 | 1 14 0 | 10 |
| ... | ... | ... | ... | ... | ... | 11 4 | 10 12 | 8 0 | . | | ... | [illegible] | [illegible] 12 | ... | 21 4 | 21 0 | 22 0 | 1 14 0 | Panga. 1 12 0 | 1 12 0 | 11 |
| ... | ... | ... | ... | . | .. | 10 0 | 10 0 | 8 0 | ... | ... | .. | 5 8 | 5 8 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | Panga. 2 0 0 | 12 |
| .. | ... | ... | ... | ... | ... | 15 0 | 15 0 | 9 0 | 20 0 | 20 0 | ... | 12 0 | 12 0 | 8 0 | 19 8 | 19 0 | 19 0 | 2 0 0 | 2 0 0 | Panga. 2 0 0 | 13 |
| Not reported. | 15 6 | 11 8 | Not reported. | 13 5 | 10 8 | 13 9 | 13 1 | 9 6 | 19 3 | 18 9 | 12 2 | 10 4 | 9 15 | 4 | 20 12 | 20 8 | 20 0 | 1 14 9 | 1 14 3 | Panga. 2 0 0 | 14 |
| ... | ... | ... | ... | ... | ... | 15 0 | 15 0 | 9 8 | 17 0 | 18 0 | 12 6 | 11 0 | 11 0 | 8 0 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| Not in the market. | 16 0 | 14 0 | 11 0 | 12 0 | ... | 13 8 | 13 8 | 9 8 | 20 0 | 19 0 | 13 0 | 12 0 | 12 0 | [illegible] | 20 0 | 21 0 | 20 8 | 2 0 0 | Panga. 1 13 0 | 1 15 0 | 16 |
| 22 0 | 22 0 | 16 0 | ... | ... | ... | 15 0 | 15 0 | 9 [illegible] | [illegible] | 21 0 | 13 0 | 10 8 | 10 8 | 8 0 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 22 8 | 22 8 | 11 0 | ... | [illegible] | [illegible] | [illegible] | 13 0 | 8 | 21 0 | 20 8 | 12 0 | 10 0 | 10 0 | 7 8 | 21 0 | 21 0 | 19 0 | 1 14 6 | Panga 1 14 6 | 2 0 0 | 18 |
| 24 3 | 24 3 | 12 1 | ... | ... | ... | 13 3 | 13 3 | 7 11 | 20 14 | 19 13 | 12 1 | 9 14 | 9 14 | 7 11 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 |

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat: Present return. | Wheat: Next preceding return. | Wheat: Corresponding return of last year. | Barley: Present return. | Barley: Next preceding return. | Barley: Corresponding return of last year. | Common Rice. Average: Present return. | Common Rice. Average: Next preceding return. | Common Rice. Average: Corresponding return of last year. | Common Rice. Cheapest: Present return. | Common Rice. Cheapest: Next preceding return. | Common Rice. Cheapest: Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*): Present return. | Jowar or Cholum: Next preceding return. | Jowar or Cholum: Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*): Present return. | Bajra or Cumbu: Next preceding return. | Bajra or Cumbu: Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division | 20 | Monghyr .. | 11 0 | 10 0 | 8 8 | 11 8 | 13 8 | [illegible] 0 | 9 6 | 9 8 | 6 8 | Burmah. 11 [illegible] ... [illegible] ... Local 9 14 | 10 0 | 6 12 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur ... | 9 8 | 9 8 | 8 2 | 14 0 | 12 8 | 12 0 | 7 13½ Old (*Mota*). 9 0 | 7 14 7 0 | 6 14 | 10 2 | 10 0 | 8 2 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 8 8 | 8 8 | 7 8 | ... | ... | ... | 10 8 | 10 8 | 6 0 | 12 0 | 12 0 | 6 8 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling . | 6 0 | 6 0 | 5 8 | 8 0 | 8 0 | 6 8 | 6 0 | 6 0 | 6 0 | 8 0 | 8 8 | 7 0 | ... | ... | . | ... | ... | ... |
| | 24 | South 24 Parganas. | 10 8 | 10 0 | 7 8 | 13 0 | 13 0 | 8 0 | 10 8 | 10 8 | 7 8 | New 16 8 Old 12 8 | [illegible] 1 ... 2 8 | 8 8 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 13 | 9 6 | 6 14 | ... | ... | ... | 13 12 | 11 13 | 10 2 | 13 12 | 11 13 | 10 2½ | ... | ... | ... | ... | ... | ... |
| | 26 | Balasore | 7 0 | 7 8 | 7 8 | .. | ... | ... | 14 0 | 14 0 | 8 8 | 16 0 | 16 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 27 | Angul ... | ... | ... | 5 0 | ... | ... | ... | .. | 16 13 | 15 0 | 2 10 | Old 16 13 New 21 0 | 15 0 | .. | ... | ... | ... | ... | ... |
| | 28 | Puri ... | 7 14 | 7 14 | 5 14 | . | ... | ... | 10 8 | 10 13 | 7 3 | 11 13 | 11 13 | 7 14 | ... | ... | ... | ... | ... | ... |
| | 29 | Sambalpur... | 9 8 | 10 0 | 7 0 | ... | ... | ... | 15 0 | 15 0 | 9 12 | 16 0 | 16 0 | 10 8 | ... | ... | ... | ... | ... | ... |
| CHOTA NAGPUR | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh . | 8 0 | 8 0 | 6 12 | 14 0 | 12 8 | 9 0 | 11 0 | 10 8 | 8 0 | 12 0 | 11 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 31 | Ranchi ... | 8 4 | 8 8 | 7 0 to 7 8 | 12 0 | 10 0 | 8 0 | 13 0 | 12 0 | 8 4 | 14 8 | 13 0 | 9 8 | ... | .. | ... | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | 9 0 | 7 5 | 13 8 | ... | 10 11 | 8 7 | 6 12 | 6 3 | New 11 4 | Old 9 0 New 11 4 | 6 12 | .. | ... | ... | ... | ... | ... |
| | 33 | Manbhum . | 8 0 | 8 8 | 7 0 | 10 0 | . 0 | 10 0 | 11 0 | 10 12 | 7 0 | 13 8 | 12 0 | 9 0 | .. | ... | ... | 12 0 | 12 0 | ... |
| | 34 | Singhbhum | 9 0 | 9 0 | 6 8 | ... | | ... | 10 0 | 10 0 | 7 0 | 13 0 | 12 0 | 9 0 | ... | ... | ... | ... | ... | ... |

CALCUTTA,
*The 20th November 1909.*

*Station Bazars of the districts of Bengal on the 15th November 1909*—concld.

SEERS OF EIGHTY TOLAHS

| Marua or Ragi (*Eleusine Coracana*). | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Chhola, Kadalay, or Sanga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cajan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| — | ... | | | | | 14 0 | 13 12 | 9 0 | 19 0 | 21 0 | 12 0 | 10 0 | 10 0 | 7 4 | 21 0 | 21 0 | 20 0 | 1 14 0 (Panga.) | 1 14 0 | 12 0 0 | 20 |
| ... | | | | | ... | 14 0 | 12 8 | 8 14 | 20 4 | 20 0 | 12 8 | 10 2 | 10 0 | 7 9 | 20 0 | 20 0 | 20 0 | 1 13 0 (Panga.) | 1 15 0 | 1 14 0 | 21 |
| ... | ... | ... | ... | ... | ... | 12 0 | 12 0 | 7 0 | 23 0 | 26 0 | 11 0 | 8 0 | 8 0 | 6 8 | 18 0 | 17 12 | 16 0 | 2 3 0 (Panga.) | 2 4 0 | 2 8 0 | 22 |
| 11 0 | 10 8 | 11 0 | ... | ... | ... | 9 0 | 9 0 | 6 8 | 14 0 | 16 0 | 14 0 | 6 0 | 6 0 | 5 4 | 14 0 | 14 0 | 14 0 | 2 12 0 | 2 12 0 | 2 12 0 | 23 |
| ... | ... | | | | | 10 8 | 11 [illegible] | 8 0 | 20 0 | 20 0 | 10 8 | 9 0 | 9 0 | 6 8 | 16 0 | 16 0 | 16 0 | 2 8 0 (Karkatch.) | 2 8 0 | 2 8 0 | 24 |
| ... | ... | | | | | 13 2 (Biri or kalai.) | 11 13 | 9 8 | ... | ... | ... | 11 13 | 11 13 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 (Karkatch.) | 1 7 0 | 1 13 0 | 25 |
| .. | ... | ... | | ... | | 12 0 (Chhola.) / 12 0 (Biri.) | 10 8 [illegible] / 10 8 | [illegible] 0 / 9 2 | ... | ... | ... | 8 0 | 7 8 | 6 8 | 22 0 | 22 0 | 21 0 | 1 12 0 (Panga.) | 1 12 0 | 1 14 0 | 26 |
| ... | ... | ... | . | . | . | 16 13 (Biri.) | 16 13 | 8 0 | .. | ... | ... | ... | 16 13 | 7 0 | 16 12 | 16 12 | 13 0 | 1 14 0 (Karkatch.) | 2 0 0 | 2 14 0 | 27 |
| . | ... | | .. | ... | ... | 11 2 (Biri.) | 10 13 | 8 3 | ... | .. | ... | 8 3 | 7 14 | 6 3 | 24 0 | 26 0 | 24 0 | 1 10 0 | 1 9 0 | 1 9 0 | 28 |
| ... | ... | . | ... | ... | ... | 14 0 | 14 0 | 7 0 | ... | .. | ... | 8 0 | 8 0 | 5 5 | 16 0 | 16 0 | 16 0 | 2 4 0 (Karkatch.) | 2 4 0 | 2 4 0 | 29 |
| 24 0 | 23 0 | 14 8 | ... | ... | ... | 11 0 | 11 8 | 8 0 | 20 0 | 19 0 | 12 0 | 8 8 | 8 0 | 6 8 | [illegible] 0 | 18 0 | 16 0 | 2 4 0 (Panga.) | 12 4 [illegible] | [illegible] 8 0 | 30 |
| 29 0 | 26 0 | 16 0 | ... | ... | ... | 10 8 | ... | 8 0 | 18 0 | 20 0 | 9 0 | 7 8 | 7 8 {5 0 to 7 8} | | 18 0 | 18 0 | 17 0 | 2 4 0 (Panga.) | 2 2 6 | 2 6 0 | 31 |
| 20 4 | ... | ... | ... | ... | - | 12 6 | 11 4 | 8 7 | 19 2 | 16 14 | 12 6 | 10 2 | 10 2 | 6 12 | 19 2 | 20 4 | 19 11 | ... | ... | ... | 32 |
| ... | . | ... | | .. | ... | 11 0 | 11 [illegible] | 7 8 | 16 0 | 18 0 | 10 0 | 8 0 | 8 0 | [illegible] 8 | 18 0 | 18 0 | 17 0 | 2 0 0 (Panga.) | 2 0 0 | 2 1 0 | 33 |
| ... | ... | . | | | ... | 11 0 | 10 0 | 7 0 | .. | ... | ... | 10 0 | 9 0 | [illegible] 8 | 18 0 | 18 0 | 16 0 | 2 0 0 (Panga.) | 2 0 0 | 2 1 0 | 34 |

* Fluctuation due to the [illegible] good [illegible]dy crop.

[illegible]shed for general information.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

***PRICES-CURRENT** (wholesale) of **Food-grains**, **Firewood**, &c., in*

PRICE PER MAUND OF

| Number. | Marts. | Rice (best sort). Present return. | Rice (best sort). Next preceding return. | Rice (best sort). Corresponding return of last year. | Common rice. Average. Present return. | Common rice. Average. Next preceding return. | Common rice. Average. Corresponding return of last year. | Common rice. Cheapest. Present return. | Common rice. Cheapest. Next preceding return. | Common rice. Cheapest. Corresponding return of last year. | Wheat (*Triticum sativum*). Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 6 0 | 6 6 0 | 7 2 0 | 4 12 0 | 4 12 0 | 6 2 0 | 3 8 0 | 3 8 0 | 4 12 0 | 4 8 0 | 4 10 0 | 5 8 0 |
| 2 | Burdwan ... | 5 0 0 | 5 0 0 | 6 4 3 | 4 6 0 | 4 4 0 | 5 4 0 | 4 2 0 | 4 0 0 | 5 0 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 10 0 | 4 13 0 | 6 8 0 | 3 10 0 (Old.) 3 2 0 (New.) | 3 10 0 (Old.) 3 2 0 (New.) | 5 8 0 | 3 4 0 (Old.) 2 14 0 (New.) | 3 9 0 (Old.) 2 14 0 (New.) | 3 14 0 | ... | ... | ... |
| 4 | Patna ... | 6 4 0 | 6 4 0 | 9 0 0 | 3 15 0 | 3 15 0 | 5 4 0 | 3 7 6 | 3 8 6 | 4 10 0 | 3 12 0 | 3 12 0 | 4 15 0 |
| 5 | Muzaffarpur | 8 0 0 | 8 0 0 | 10 0 0 | 5 0 0 | ... | 6 10 6 | 3 2 3 | 3 8 0 | 5 0 0 | 4 7 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur .. | 6 5 0 | 6 5 0 | 7 0 0 | 5 0 0 | 5 0 0 | 5 14 0 | 3 15 0 | 3 15 0 | 4 14 0 | 4 2 0 | 4 3 0 | 4 14 0 |
| 7 | Cuttack .. | 4 11 3 | 6 1 6 | 7 3 0 | 2 14 6 | 3 6 2 | 3 15 2 | 2 14 6 | 3 6 2 | 3 14 11 | 4 1 3 | 4 6 0 | 5 13 1 |
| 8 | Sambalpur .. | 5 0 0 | 5 0 0 | 5 12 0 | 2 8 0 | 2 8 0 | 4 0 0 | 2 5 9 | 2 5 9 | 3 12 0 | 4 1 6 | 3 13 0 | 5 6 0 |
| 9 | Ranchi ... | 4 4 0 | 5 0 0 | 7 8 0 | 3 0 0 | 3 4 0 | 4 4 0 | 2 12 0 | 3 0 0 | 4 0 0 | 4 11 0 | 4 9 0 | 5 5 0 to 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). Present return. | Indian-corn or Maize. Next preceding return. | Indian-corn or Maize. Corresponding return of last year. | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). Present return. | Arhar Dal. Next preceding return. | Arhar Dal. Corresponding return of last year. | Linseed. Present return. | Linseed. Next preceding return. | Linseed. Corresponding return of last year. | Mustard and Rapeseed. Present return. | Mustard and Rapeseed. Next preceding return. | Mustard and Rapeseed. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 8 0 | 2 8 0 | 4 8 0 | 4 4 0 | 4 4 0 | 5 3 0 | 6 12 0 | 6 0 0 | 5 4 0 | 5 4 0 | 5 4 0 | 6 8 0 |
| 2 | Burdwan ... | ... | ... | ... | 0 0 | 4 12 0 | 5 8 0 | ... | ... | ... | 5 0 0 | 5 0 0 | 7 8 0 |
| 3 | Midnapore ... | ... | ... | ... | | | 6 0 | 5 4 0 | 5 4 0 | 5 4 0 | Black Mustard. 5 14 0; Rapeseed. 5 8 0 | 5 8 0; 5 2 0 | 6 14 0; 7 0 0 |
| 4 | Patna ... | 1 15 0 | 1 15 0 | 3 1 0 | 3 4 6 | 3 4 6 | 4 14 0 | 7 [illegible] 0 | 7 [illegible] 0 | [illegible] 0 | 5 0 0 | 5 0 0 | 7 4 0 |
| 5 | Muzaffarpur ... | 1 14 6 | 1 15 3 | 3 3 0 | 4 0 0 | 4 0 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 1 15 0 | 2 0 0 | 3 2 0 | 3 15 0 | 4 0 0 | 5 5 0 | 5 10 0 | 5 11 0 | 5 10 0 | Mustard. 4 4 0; Rapeseed. 5 0 0 | 4 4 0; 5 0 0 | 6 5 0; 6 9 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 6 2 | 3 6 2 | 3 12 11 | ... | ... | ... | 5 11 5 | 7 0 9 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 4 11 0 | 4 11 0 | 6 10 0 | ... | ... | ... | 4 4 0 | 4 8 0 | ... |
| 9 | Ranchi ... | ... | ... | ... | 5 4 0 | 5 4 0 | 5 5 0 to 8 0 0 | 5 12 0 | 6 4 0 | 10 0 0 | 5 0 0 | 4 14 0 to 5 4 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 15th November 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 8 0 | 2 4 0 | 3 14 0 | ... | ... | ... | ... | ... | ... | ... | — | — | 3 4 0 | 3 4 0 | 4 12 0 | 1 |
| — | ... | — | ... | ... | . | ... | — | ... | ... | ... | ... | 3 4 0 | 3 2 0 | 4 12 0 | 2 |
| ... | ... | | — | ... | — | . | ... | ... | — | ... | ... | — | ... | 5 4 0 to 5 8 0 | 3 |
| 2 0 0 | 2 1 0 | 3 1 0 | ... | . | ... | ... | ... | ... | ... | ... | ... | 2 10 0 | 2 10 0 | 4 6 0 | 4 |
| 2 8 0 | 2 8 0 | 3 5 3 | — | | | .. | — | ... | 1 12 3 | 1 12 3 | 3 10 0 | 3 1 3 | 3 1 3 | 5 0 0 | 5 |
| 2 14 0 | 3 3 0 | 3 5 0 | ... | . | .. | ... | .. | ... | — | .. | ... | 2 13 0 | 3 3 0 | 4 8 0 | 6 |
| — | — | . | ... | . | | . | ... | ... | ... | ... | ... | 3 0 9 | 3 6 2 | 4 3 4 | 7 |
| ... | — | ... | . | — | .. | — | — | — | ... | ... | ... | 2 10 6 | 2 10 6 | 5 6 0 | 8 |
| 3 5 0 | 4 0 0 | 5 0 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 10 0 | 3 12 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 0 0 | 5 4 0 | 6 4 0 | 7 0 0 | 7 0 0 | 5 8 0 | 22 0 0 | 21 0 0 | 18 0 0 | 6 4 0 | 6 4 0 | 6 0 0 | 1 |
| ... | ... | ... | 8 0 0 | 8 0 0 | 6 4 0 | ... | | ... | ... | ... | ... | 2 |
| ... | ... | ... | 8 4 0 | 8 0 0 | [illegible] | [illegible] | [illegible] 0 0 | 21 0 0 to 22 0 0 | — | ... | ... | 3 |
| 5 0 0 | 5 0 0 | 7 4 0 | [illegible] | 5 8 [illegible] | 5 0 0 | 25 8 0 | 25 8 0 | 19 0 0 | ... | ... | ... | 4 |
| ... | [illegible] | ... | 5 0 0 | 5 11 6 | 4 7 0 | — | ... | ... | ... | ... | ... | 5 |
| ... | — | ... | 5 8 0 | 5 8 0 | 4 8 0 | 23 0 0 | 23 0 0 | 20 12 0 | ... | — | ... | 6 |
| 7 9 10 | 6 8 0 | 6 8 0 | 7 9 10 | 5 11 5 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | ... | ... | 7 |
| 4 0 0 | 4 0 0 | 5 8 0 | 6 10 0 | 6 12 0 | 6 0 0 | ... | ... | ... | ... | ... | 5 8 0 | 8 |
| ... | ... | ... | 5 12 0 | 5 4 0 | 6 12 0 | 23 0 0 | 20 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | PRICE PER MAUND OF FORTY STANDARD SEERS. | | | | | | | | | HIDES (COW). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | GHI (CLARIFIED BUTTER). | | | TOBACCO LEAF. | | | | | | | | |
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta ... | 42 0 0 | 42 0 0 | 41 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | | | | 390 0 0 | 390 0 0 | 400 0 0 |
| 2 | Burdwan ... | 38 0 0 | 39 0 0 | 36 0 0 | ... | ... | ... | | | | ... | ... | ... |
| | | | | | | Madhukhali. | | | | | Unclean per piece. | | |
| 3 | Midnapore ... | 37 0 0 to 42 0 0 | 39 0 0 to 42 0 0 | 37 0 0 to 42 0 0 | 14 8 0 | 13 0 0 | 13 0 0 | | | | 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| | | | | | | Pulta. | | | | | Cleaned per piece. | | |
| | | | | | 15 0 0 | 14 0 0 | 15 0 0 | | | | 3 8 0 to 4 4 0 | 3 8 0 to 4 4 0 | 3 4 0 to 4 0 0 |
| 4 | Patna ... | 34 0 0 to 37 0 0 | 32 0 0 to 37 0 0 | 33 0 0 to 36 0 0 | 4 0 0 to 6 0 0 | 4 0 0 to 6 0 0 | 3 0 0 to 5 0 0 | | | | ... | ... | ... |
| 5 | Muzaffarpur ... | 40 0 0 | 40 0 0 | 32 0 0 | 16 0 0 | 16 0 0 | 16 0 0 | | | | . | ... | — |
| 6 | Bhagalpur ... | 35 0 0 | 36 0 0 | 36 0 0 | 13 0 0 | 13 0 0 | 10 0 0 | | | | ... | ... | ... |
| 7 | Cuttack ... | 45 11 6 | 46 11 6 | 47 9 0 | 6 4 0 | 6 4 0 | 6 4 0 | | | | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 0 0 | 37 8 0 | 36 4 0 to 37 8 0 | 22 0 0 | 22 0 0 | 16 0 0 | | | | 42 0 0 | 45 0 0 | 30 0 0 |
| | | | | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi ... | 35 8 0 | 37 0 0 | 35 4 0 | 13 0 0 | 13 0 0 | 10 0 0 to 16 0 0 | | | | 0 8 0 | 0 9 0 | 3 8 0 to 4 12 0 |

| Number. | Marts. | PRICE PER MAUND OF FORTY STANDARD SEERS. | | | | | | BHOOSA. | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | FIREWOOD. | | | SALT. | | | | | |
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | Panga. | | | | |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 1 14 0 | 1 14 0 | 2 4 0 |
| | | | | | | Panga. | | | | |
| 2 | Burdwan ... | 0 9 0 | 0 [illegible] | 0 8 0 | 1 10 6 | [illegible] 0 | 1 12 0 | ... | ... | ... |
| | | | | | | [illegible]shed. | | | | |
| 3 | Midnapore ... | 0 6 0 | 0 5 0 | 0 4 0 | 1 12 0 | [illegible] 0 | 1 12 0 | .. | ... | ... |
| | | | | | | Panga. | | | | |
| 4 | Patna ... | 0 6 6 | 0 6 6 | 0 6 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 4 0 | 1 5 0 | 1 2 0 |
| | | | | | | Panga. | | | | |
| 5 | Muzaffarpur ... | 0 [illegible] 6 | 0 4 6 | 0 5 3 | 1 14 6 | 1 14 6 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur ... | 0 5 10 | 0 5 10 | 0 6 6 | 1 13 0 | 1 15 0 | 1 14 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| | | | | | | Karkatch. | | | | |
| 7 | Cuttack ... | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... |
| | | | | | | Karkatch. | | | | |
| 8 | Sambalpur ... | 0 5 0 | 0 5 0 | [illegible] 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... |
| | | | | | | Panga. | | | | |
| 9 | Ranchi ... | 0 5 0 | 0 5 0 | 0 5 3 | 2 4 0 | 2 2 6 | 2 6 0 | 2 0 0 | 1 12 0 | 2 8 0 |

CALCUTTA,
*The 20th November 1909.*

*th undermentioned Marts of Bengal on the 15th November 1909*—concld.

| Grass. | | | Straw. | | | Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 0 14 0 | 0 14 0 | 6 0 0 | 6 0 0 | 6 4 0 | Calcutta ... | 1 |
| ... | — | — | 0 7 0 | 0 8 6 | 0 8 0 | — | ... | ... | Burdwan ... | 2 |
| ... | ... | ... | 0 5 0 | 0 6 0 | 0 5 0 | 4 0 0 | 4 0 0 | 2 0 0 to 4 0 0 | Midnapore ... | 3 |
| ... | ... | ... | 1 0 0 | ... | 0 12 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 4 0 to 5 0 0 | Patna .. | 4 |
| ... | ... | ... | ... | ... | ... | 8 0 0 | 8 0 0 | 10 0 0 | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | | 4 0 0 | 4 0 0 | 5 0 0 | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 [illegible] 0 | 0 9 0 | 0 9 0 | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | ... | ... | . | . | ... | ... | ... | ... | Sambalpur ... | 8 |
| 0 7 0 | 0 6 0 | 0 4 0 | 0 11 0 | 0 12 0 | 0 10 0 | 5 0 0 | 4 4 0 | 5 12 0 | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 2 0 | 2 3 0 | 2 14 0 | 3 12 0 | 3 12 0 | 5 0 0 | 1 8 0 | Elephant brand. 1 8 0 | ... | Calcutta ... | 1 |
| 2 12 0 | 2 9 0 | 3 8 0 | ... | ... | ... | 1 [illegible] 8 | Elephant brand. 1 10 | ... | Burdwan ... | 2 |
| ... | ... | 0 6 0 | ... | [illegible] | [illegible] 0 | [illegible] 6 6 | Cobra brand. 1 5 6 | ... | Midnapore .. | 3 |
| 2 4 0 | 2 4 0 | 1 14 0 | ... | ... | ... | 1 6 0 | Victoria brand. 1 6 6 | ... | Patna .. | 4 |
| 2 0 0 | 2 0 0 | 2 13 9 | 3 5 3 | 3 3 3 | 4 7 0 | 1 6 0 | Victoria brand. 1 6 0 | ... | Muzaffarpur ... | 5 |
| 1 4 0 | 1 4 0 | 2 0 0 | 3 2 0 | 3 3 0 | 4 0 0 | 1 4 9<br>3 4 0 | Swan brand. 1 4 9<br>Snowflake brand. 3 4 0 | ... | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | 0 10 0 | 3 12 0 | 5 1 4 | 5 1 4 | 1 7 0 | Victoria brand. 1 8 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | 1 8 0 | Victoria brand. 1 7 9 | ... | Sambalpur ... | 8 |
| 3 0 0 | 3 0 0 | 3 0 0 | 4 0 0 | 4 0 0 | 5 9 0 | 1 8 6 | Cobra brand. 1 8 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal | Burdwan | Burdwan | Kalna | 0·09 | 1·21 | 0·52 | 0·73 | 0·78 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 2·79 | 0·13 | ... |
| | | | Burdwan | 0·01 | 0·12 | 0·02 | 0·03 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | 0·47 | 0·04 | ... |
| | | | Katwa | ... | 0·18 | ... | 0·13 | 2·43 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·01 | 0·16 | ... |
| | | | Raniganj | 0·07 | ... | ... | 0·21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mankur | 0·55 | 0·11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | ... | ... |
| | | Birbhum | Suri | 2·09 | 0·11 | ... | 0·54 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... |
| | | | Hetampur | 0·27 | 0·08 | 0·36 | 0·48 | 1·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur Hat | 0·11 | 0·65 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·38 | ... |
| | | | Bolpur | ... | 0·40 | ... | 0·10 | 0·70 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... |
| | | | Murari | 0·64 | ... | 0·79 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·00 | ... | ... |
| | | | Labpur | ... | 2·00 | 2·49 | 0·20 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·57 | ... |
| | | Bankura | Bankura | ... | 0·01 | 0·37 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... |
| | | | Vishnupur | 0·76 | 0·03 | 0·16 | 0·57 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·03 | ... | ... |
| | | | Maliara | 1·13 | 0·04 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khatra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Indas | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·85 | ... | ... |
| | | | Kotalpur | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·87 |
| | | | Onda | 0·91 | 0·25 | 1·51 | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangajalghati | ... | ... | 0·95 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raipur | ... | ... | ... | 0·43 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... |
| | | | Sonamukhi | 0·14 | 0·36 | 0·41 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Midnapore | Pachet | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Contai | 0·20 | 0·78 | 0·33 | 0·16 | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... |
| | | | Tamluk | 0·05 | 1·52 | ... | 0·58 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·65 | ... | ... |
| | | | Midnapore | 0·10 | 0·77 | 0·15 | 1·83 | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | 0·01 | ... | ... |
| | | | Ghatal | | | | | | | | | | | | | | | | | | | | |
| | | | Kukrahaty | 2·28 | ... | 0·10 | 0·71 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·77 | ... | ... |
| | | | Amlagura | | | | | | | | | | | | | | | | | | | | |
| | | | Panskura | ... | 0·09 | 0·07 | 1·28 | 0·36 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | ... | ... |
| | | | Dantan | 0·15 | ... | ... | 0·33 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandrakona | 0·09 | 0·11 | 0·29 | 1·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagwanpur | ... | 0·16 | 0·43 | 0·03 | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... |
| | | | Kultikri | ... | ... | 0·64 | 1·19 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | ... | ... | ... |
| | | | Gopibalhavpur | 2·09 | 0·06 | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... |
| | | | Gidni | 0·14 | 0·22 | 0·01 | 1·39 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·66 | 0·09 | ... | ... |
| | | | Silda | 0·08 | ... | ... | 0·41 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·47 | ... | ... | ... |
| | | | Chandre | | | | | | | | | | | | | | | | | | | | |
| | | | Goaltore | | | | | | | | | | | | | | | | | | | | |
| | | | Salboni | 0·04 | 2·62 | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·02 | ... | ... |
| | | | Narangarh | | | | | | | | | | | | | | | | | | | | |
| | | | Ramnagar | | | | | | | | | | | | | | | | | | | | |
| | | | Mohanpore | | | | | | | | | | | | | | | | | | | | |
| | | | Heria | 0·80 | 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·25 | ... | ... |
| | | | Janka (Khejari). | 0·39 | ... | 0·80 | 0·22 | 0·03 | ... | ... | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·56 | ... | ... |
| | | | Nandigram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·90 | ... | ... |
| | | | Moyna | | | | | | | | | | | | | | | | | | | | |
| | | | Pingla | | | | | | | | | | | | | | | | | | | | |
| | | | Narajole | 0·03 | 0·23 | 0·82 | 0·50 | 0·63 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·56 | ... | ... |
| | | Hooghly | Serampore | 0·03 | 0·04 | 0·05 | 3·74 | 1·22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 2·57 | ... | ... |
| | | | Hooghly | ... | 0·31 | 0·03 | 0·11 | 0·53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | 3·90 | 0·04 | ... |
| | | | *Arambagh* (Jahanabad) | 0·56 | 2·46 | 0·02 | 0·56 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·50 | ... | ... |
| | | | Howrah | 0·10 | ... | 0·02 | 0·22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 2·38 | ... | ... |
| | | | Mohesreka | ... | 1·63 | 0·16 | 2·41 | 0·21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 1·09 | 0·12 | ... |
| | | | Uluberia | 0·04 | 0·63 | ... | 0·52 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·74 | ... | ... |
| | | | *Amta* | 0·12 | 1·33 | 0·15 | 1·32 | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·54 | 0·03 | ... |
| | | 24-Parganas | Saugor Island | 0·66 | ... | 2·83 | 1·78 | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | 0·57 | ... | ... |
| | | | Diamond Harbour. | 1·41 | ... | ... | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 1·44 | ... | ... |
| | | | *Budge Budge* | 0·16 | ... | ... | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 1·60 | ... | ... |
| | | | Calcutta Town | 0·50 | ... | 0·89 | 0·06 | 0·23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | 3·89 | ... | ... |
| | | | Alipore (Obsy.) | 0·09 | ... | 0·01 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 3·21 | 0·03 | ... |
| | | | Barrackpore | | | | | | | | | | | | | | | | | | | | |
| | | | Dum-Dum | ... | 0·40 | 0·09 | 0·21 | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·32 | ... | ... |
| | | | Barasat | 0·11 | 0·09 | 0·24 | 1·02 | 0·61 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·34 | 1·43 | ... | ... |
| | | | Basirhat | 0·22 | 0·13 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4·15 | ... | ... |
| | | | Fraserganj | | | | | | | | | | | | | | | | | | | | |
| | | Nadia | Ranaghat | 0·08 | 0·23 | 0·03 | 0·08 | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 3·59 | 0·05 | ... |
| | | | Krishnagar | 0·11 | 0·81 | ... | 1·34 | 0·07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·53 | 0·21 | ... | ... |
| | | | Chuadanga | 0·06 | 0·04 | 0·[illegible] | [illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | 4·36 | ... | ... |
| | | | Meherpur | 1·40 | 0·35 | 0·50 | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 3·19 | 0·12 | ... |
| | | | Kushtia | ... | 0·09 | ... | 2·95 | ... | 0·43 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 6·75 | 0·32 | ... |
| | | | Haringhata | 0·12 | 0·30 | 0·70 | 0·30 | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·36 | 2·00 | ... | ... |
| | | Murshidabad | Kandi | | | | | | | | | | | | | | | | | | | | |
| | | | Berhampore | 0·14 | ... | 0·02 | 0·32 | 0·72 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·99 | 0·83 | ... |
| | | | Lalbagh | ... | 0·10 | 0·78 | 0·47 | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·96 | 0·21 | ... |
| | | | Azimganj | ... | 0·13 | 0·60 | 0·79 | 0·23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 0·13 | ... |
| | | | Jangipur | 0·32 | 0·67 | 0·41 | 1·42 | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·51 | [illegible] | ... |
| | | | Lalgola | | | | | | | | | | | | | | | | | | | | |
| | | | Akriganj | 1·08 | 1·20 | 0·23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·31 | ... | ... |
| | | | Patkabari | | | | | | | | | | | | | | | | | | | | |
| | | | Dumkal | 0·73 | 1·80 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·75 | ... |
| | | | *Kulliyanganj* | ... | ... | ... | 1·00 | 0·15 | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | 0·74 | 0·33 | ... |
| | | Jessore | Narail | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | 1·92 | ... | ... | ... | ... | ... | ... | 0·36 | 4·19 | 1·18 | ... |
| | | | Jessore | 0·06 | 0·06 | 0·17 | 0·29 | ... | 0·39 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·23 | 12·07 | 0·07 | ... |
| | | | Jhenida | | | | | | | | | | | | | | | | | | | | |
| | | | Magura | | | | | | | | | | | | | | | | | | | | |
| | | | Bangaon | 0·40 | 0·25 | 0·41 | 0·56 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·46 | 4·52 | ... | ... |
| | | Khulna | Satkhira | 0·65 | 0·04 | 0·02 | ... | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·42 | 8·50 | ... | ... |
| | | | Bagerhat | | | | | | | | | | | | | | | | | | | | |
| | | | Khulna | 0·06 | 0·08 | ... | 0·54 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·78 | 3·60 | ... | ... |
| | | | *Kaliganj* | 0·00 | 0·45 | 0·08 | 2·25 | 0·05 | 0·25 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 8·00 | ... | ... |
| | | | Nakipur | | | | | | | | | | | | | | | | | | | | |
| | | | *Dumuria* | 0·25 | 0·27 | 0·25 | 0·08 | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·48 | 1·02 | ... | ... |
| | | | Rampal | ... | 1·01 | ... | ... | ... | 3·40 | ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | 0·35 | 5·05 | ... | ... |
| | | | *Kalaroa* | 0·09 | 0·06 | 0·04 | 0·44 | ... | ... | 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·37 | 8·57 | 0·31 | ... |
| | | | *Paikgachha* | 0·22 | 0·48 | ... | 2·04 | ... | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·90 | 7·30 | ... | ... |
| | | | *Mollahat* | 0·45 | 0·19 | ... | 0·41 | ... | 0·23 | ... | ... | ... | ... | 0·11 | ... | ... | ... | ... | ... | 0·70 | 2·48 | ... | ... |
| | | | *Morelganj* | 1·44 | 1·00 | ... | 1·00 | 0·05 | ... | ... | 0·78 | ... | ... | 0·52 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tala* | 0·22 | 0·10 | ... | 2·01 | 0·05 | 0·75 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 6·54 | ... | ... |

## STATIONS IN BENGAL IN OCTOBER 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st Oct. 1909. | Average rainfall from 16th to 31st Oct. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 4·26 | 6·31 | 3·48 | 2·79 | 2·98 | 1·19 | Kalna | Burdwan ... | Burdwan. | South-West Bengal. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 4·10 | 1·73 | 3·94 | 0·93 | 0·02 | 1·69 | Burdwan | | | |
| ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | 6 | 4·68 | 4·06 | 3·63 | 2·43 | 1·33 | 1·49 | Katwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·23 | Nil | 3·22 | Nil | Nil | 1·12 | Raniganj | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·56 | 0·79 | 2·55 | 0·55 | 0·13 | 0·75 | Mankur. | | | |
| ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | 4 | 4·48 | 3·00 | 3·49 | 2·09 | 0·06 | 1·45 | Suri | Birbhum .. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·96 | 2·33 | 3·11 | 1·74 | Nil | 1·09 | Hetampur. | | | |
| ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | 4 | 4·46 | 1·38 | 3·65 | 0·65 | 0·69 | 1·32 | Rampur Hât. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 4·13 | 1·29 | 3·39 | 0·70 | 0·00 | 0·91 | Bolpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | 3 | 3·31 | 2·63 | 3·25 | 1·00 | 1·27 | 1·27 | Murari. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 4·14 | 6·20 | 4·22 | 2·49 | 0·5 | 2·08 | Labpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4·18 | 0·42 | 4·05 | 0·37 | 0·04 | 1·46 | Bankura ... | Bankura ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 4·55 | 1·60 | 3·16 | 0·76 | 0·08 | 1·18 | Vishnupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4·62 | 1·20 | 3·17 | 1·13 | Nil | 1·23 | Maliara | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·67 | Nil | 3·69 | Nil | Nil | 1·19 | Khatra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·56 | 0·85 | 2·61 | 0·85 | 0·85 | 0·83 | Indas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·13 | 0·93 | 3·00 | 0·87 | 0·87 | 0·95 | Kotalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·44 | 2·92 | 2·15 | 1·51 | Nil | 0·8 | Onda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·13 | 0·95 | 2·52 | 0·95 | Nil | 0·88 | Gangajalghati | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4·81 | 0·93 | 3·99 | 0·50 | 0·50 | 1·51 | Raipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·31 | 0·91 | 2·80 | 0·41 | Nil | 0·99 | Sonamukhi. | | | |
| | | | | | | | | | | ... | | | ? | | ? | | ? | Pachet ... | Midnapore .. | | |
| 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 6·48 | 1·53 | 7·52 | 0·78 | 0·05 | 3·64 | Contai. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | 3 | 4·32 | 2·85 | 4·22 | 1·53 | 0·70 | 1·90 | Tamluk. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 5 | 5·27 | 3·07 | 4·42 | 1·83 | 0·21 | 2·00 | Midnapore. | | | |
| | | | | | | | | | | ... | | 4·36 | | 3·17 | | | 0·80 | Ghatal. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | | 5 | 5·07 | 4·11 | 4·43 | 2·28 | 0·99 | 1·00 | Kukrahaty. | | | |
| | | | | | | | | | | ... | | 4·44 | | 2·68 | | | 1·34 | Amlagura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5·00 | 2·16 | 3·57 | 1·28 | 0·36 | 1·28 | Panskura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 5·00 | 0·58 | 5·25 | 0·33 | Nil | 2·06 | Dantan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 1·99 | ? | 1·50 | Nil | ? | Chandrakona. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 0·97 | ? | 0·43 | 0·33 | ? | Bhagwanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 2·15 | ? | 1·19 | 0·32 | ? | Kultikri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 2·58 | ? | 2·09 | 0·28 | ? | Gopibalhavpore. | | | |
| ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | ... | ... | 4 | ? | 2·52 | ? | 1·39 | 0·76 | ? | Gidni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 1 | ? | 0·96 | ? | 0·47 | 0·47 | ? | Silda. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Chandre. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Goaltore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 3·05 | ? | 2·62 | 0·24 | ? | Salboni. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Narainagarh. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Ramnagar. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Mohanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 2·10 | ? | 1·80 | 0·30 | ? | Heria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | [illegible] | 2·08 | [illegible] | 0·80 | 0·56 | ? | Janka (Khojari). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 1·90 | ? | 1·90 | 1·90 | ? | Nandigram. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Moyna. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Pingla. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | ... | 1 | ? | 0·11 | ? | 0·82 | 0·67 | ? | Narajole. | | | |
| ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | 3 | 3·83 | 7·75 | 4·27 | 3·74 | 2·69 | 1·6 5 | Serampore ... | Hooghly ... | | |
| ... | ... | ... | ... | ... | ... | 0·17 | ... | ... | ... | ... | 5 | 5·06 | 5·26 | 5·09 | 3·90 | 4·19 | 1·38 | Hooghly. | | | |
| ... | ... | ... | ... | ... | ... | 0·05 | ... | ... | ... | ... | 4 | 4·43 | 4·15 | 3·65 | 2·46 | 0·55 | 1·31 | *Arambagh* (Jahanabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5·77 | 2·73 | 4·06 | 2·39 | 2·39 | 1·71 | Howrah | Howrah ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 4·60 | 5·64 | 3·72 | 2·41 | 1·26 | 0·97 | Mohesreka. | | | |
| ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | 0·04 | 3 | 5·10 | 1·47 | 3·60 | 0·74 | 0·84 | 0·19 | Ulubaria. | | | |
| ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | ... | 6 | ? | 3·70 | ? | 1·33 | 0·78 | ? | *Amta.* | | | |
| | | | | | | | | | | ... | | | | | | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 5 | 7·90 | 6·01 | 9·13 | 2·83 | 0·72 | 3·76 | Saugor Island | 24-Parganas ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 5·77 | 3·48 | 5·07 | 1·44 | 1·54 | 1·82 | Diamond Harbour. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 2·65 | ? | 1·60 | 1·65 | ? | *Behala Budge.* | | | |
| ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | 6 | 5·00 | 5·99 | 4·81 | 2·99 | 4·31 | 1·50 | Canning Town. | | | |
| ... | ... | ... | ... | ... | ... | 0·14 | ... | ... | ... | ... | 4 | 5·33 | 3·77 | 3·87 | 3·21 | 3·48 | 1·10 | Alipore (Obsy.) | | | |
| | | | | | | | | | | | | 5·48 | | 3·86 | | | 1·47 | Barrackpore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 5·26 | 5·12 | 4·52 | 4·32 | 4·32 | 1·76 | Dum-Dum. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 5·35 | 3·84 | 4·40 | 1·43 | 1·77 | [illegible] | Barasat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5·71 | 5·50 | 4·64 | 4·15 | 4·15 | [illegible]·78 | Basirhat. | | | |
| ... | ... | ... | ... | ... | ... | ... | | ... | ... | 0·07 | 4 | 4·71 | 4·37 | 3·59 | | 3·81 | 1·74 | Ranaghat ... | Nadia .. | | |
| ... | ... | ... | ... | ... | | ... | ... | ... | ... | 0·12 | [illegible] | 4·97 | 5·19 | 4·20 | 2·53 | 2·86 | 1·15 | Krishnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | [illegible] | 5·00 | 5·37 | [illegible] | 4·36 | 4·78 | 1·72 | Chuadanga. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·57 | [illegible] | 4·77 | 6·56 | 3·57 | 3·19 | 3·01 | 1·55 | Meherpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | [illegible] | 5·55 | 11·69 | 4·16 | 6·75 | 7·63 | 1·84 | Kushtia | | | |
| | | | | | | | | | | | 7 | ? | 3·95 | ? | 2·00 | 2·56 | ? | Haringhata. | | | |
| | | | | | | | | | | | | 4·50 | | 3·76 | | | 1·25 | Kandi .. | Murshidabad | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | 6 | 5·04 | 2·87 | 4·71 | 0·90 | 1·38 | 1·31 | Berhampore | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 5·04 | 2·87 | 4·10 | 0·96 | 1·17 | 1·10 | Lalbagh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 4·79 | 2·77 | 4·11 | 0·90 | 1·02 | 1·20 | Azimganj. | | | |
| ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | 6 | 4·04 | 3·94 | 3·39 | 1·42 | 1·11 | 1·29 | Jangipur | | | |
| | | | | | | | | | | | | 4·18 | | 4·17 | | | 1·61 | Lalgola. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 4·5[illegible] | 3·82 | 3·44 | 1·31 | 1·31 | 1·50 | Akriganj. | | | |
| | | | | | | | | | | | | 3·42 | | 2·66 | | | 1·07 | Patkabar . | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·90 | 3 | 3·80 | 5·18 | 3·40 | 1·80 | 2·65 | 1·35 | Dumkal. | | | |
| ... | ... | ... | ... | ... | ... | 0·87 | ... | ... | ... | 0·07 | 6 | ? | 3·52 | ? | 1·60 | 2·01 | ? | *Kuliyanganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5·20 | 8·05 | 4·01 | 4·19 | 5·73 | 1·78 | Narail | Jessore .. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5·74 | 13·35 | 5·30 | 12·07 | 12·38 | 2·09 | Jessore | | | |
| | | | | | | | | | | | | 5·37 | | 4·44 | | | 1·76 | Jhenida | | | |
| | | | | | | | | | | | | 4·90 | | 3·87 | | | 1·44 | Magura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 5·26 | 6·60 | 4·58 | 4·52 | 4·98 | 1·71 | Bangaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5·65 | 9·64 | 4·79 | 5·50 | 8·92 | 1·67 | Satkhira | Khulna | | |
| | | | | | | | | | | | | 5·17 | | 5·38 | | | 2·45 | Bagerhat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 5·73 | 5·06 | 4·47 | 3·60 | 4·38 | 1·85 | Khulna. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ? | 12·58 | ? | 8·00 | 8·90 | ? | *Kaliganj.* | | | |
| | | | | | | | | | | | | 4·73 | | 5·65 | | | 2·22 | Nakipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ? | ? | 3·56 | ? | 1·48 | 3·50 | ? | *Dumuria.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 5·73 | 9·94 | 5·77 | 5·05 | 5·40 | 1·85 | Rampal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ? | 10·00 | ? | 8·57 | 9·25 | ? | *Kalaroa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ? | 11·95 | ? | 7·30 | 9·20 | ? | *Paikgachha.* | | | |
| ... | ... | ... | ... | ... | ... | — | ... | ... | ... | ... | 7 | ? | 4·57 | ? | 2·48 | 3·18 | ? | *Mollahat.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ? | 4·81 | ? | 1·44 | Nil | ? | *Morelganj* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | ? | 10·51 | ? | 6·54 | 6·72 | ? | *Tala.* | | | |

TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar. | Patna. | Patna | Patna | 0·96 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dinapore | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bihar | 0·84 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barh | 2·75 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bikram | 0·35 | ... | ... | 1·07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hilsa | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Islampur* | 0·23 | ... | ... | 1·18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Asthawan* | 2·38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Gaya | Aurangabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gaya | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nawadah | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jahanabad | 0·46 | ... | ... | 0·51 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arwal | 0·18 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Daudnagar | | | | | | | | | | | | | | | | | | | | |
| | | | Sherghati | 0·02 | 0·07 | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rajauli | ... | ... | 0·11 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pakri Barawan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Deo* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nobinagar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Shahabad | Buxar | 0·88 | 0·01 | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dehri | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhabhua | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sasaram | 0·52 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arrah | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohanea | | | | | | | | | | | | | | | | | | | | |
| | | | Ageaon | | | | | | | | | | | | | | | | | | | | |
| | | | Ramagar | 0·13 | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Koath | 1·60 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sikroul | 0·17 | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bassowan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur | | | | | | | | | | | | | | | | | | | | |
| | | | *Akberpur* | ... | 1·21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chand | | | | | | | | | | | | | | | | | | | | |
| | | | Chenari | | | | | | | | | | | | | | | | | | | | |
| | | | Karagahar | | | | | | | | | | | | | | | | | | | | |
| | | | Adhaura | | | | | | | | | | | | | | | | | | | | |
| | Tirhut. | Saran | Gopalganj | 0·89 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Siwan | 0·98 | 0·22 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ekma | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chapra | | | | | | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hathwa* | 1·37 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amnor | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Basantpur | 1·00 | 0·55 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Darauli* | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhoreh* | | | | | | | | | | | | | | | | | | | | |
| | | | *Sripur* | 0·75 | 0·48 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Parsa | 1·40 | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Maharajganj | 0·83 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Masrah | | | | | | | | | | | | | | | | | | | | |
| | | Champaran | Motihari | 2·82 | 1·32 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bettiah | | | | | | | | | | | | | | | | | | | | |
| | | | Bagaha | 2·72 | 1·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Burhurwa | 1·75 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ramnagar* | | | | | | | | | | | | | | | | | | | | |
| | | | *Narkatiaganj* | | | | | | | | | | | | | | | | | | | | |
| | | | Bettiah | 4·90 | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dhanaha* | 1·03 | ... | 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Muzaffarpur | Sitamarhi | 0·75 | 1·10 | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Muzaffarpur | 0·20 | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hajipur | 0·58 | 0·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Paru | 1·2[illegible] | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mahua | | 0·0[illegible] | | | | | | | | | | | | | | | | | | |
| | | | Shiuhar | 2·05 | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pupri | 0·95 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raghopur | 1·01 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mauine | | | | | | | | | | | | | | | | | | | | |
| | | | Minapore | | | | | | | | | | | | | | | | | | | | |
| | | | Katra | | | | | | | | | | | | | | | | | | | | |
| | | | Patipur | | | | | | | | | | | | | | | | | | | | |
| | | | Laiganj | | | | | | | | | | | | | | | | | | | | |
| | | | Sursand | | | | | | | | | | | | | | | | | | | | |
| | | | Sonbarsa | | | | | | | | | | | | | | | | | | | | |
| | | | Bairagnia | | | | | | | | | | | | | | | | | | | | |
| | | Darbhanga | Tajpur (Samastipur). | 1·46 | 0·96 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Darbhanga | 0·33 | 0·31 | ... | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Madhubani | | | | | | | | | | | | | | | | | | | | |
| | | | Bahera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Roserha | 0·93 | 0·30 | 0·45 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khutonia* | 0·18 | 0·25 | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ladania* | 0·57 | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Laukahi* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khajouli* | | | | | | | | | | | | | | | | | | | | |
| | | | *Banipatti* | | | | | | | | | | | | | | | | | | | | |
| | | | *Madhupur* | 0·90 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Bhagalpur. | Monghyr | Begusarai | 0·80 | 0·02 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... |
| | | | Monghyr | 0·73 | ... | ... | ... | 0·03 | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamui | | | | | | | | | | | | | | | | | | | | |
| | | | Gogri | | | | | | | | | | | | | | | | | | | | |
| | | | Jamalpur | 1·15 | ... | ... | 0·28 | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... |
| | | | Shaikhpura | | | | | | | | | | | | | | | | | | | | |
| | | | Chakai Bamda | 0·60 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... |
| | | | Chupreon | 0·30 | 0·28 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gidhour | 0·40 | ... | ... | 0·15 | ... | ... | ... | ... | 0·32 | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... |
| | | | Kharagpur | | | | | | | | | | | | | | | | | | | | |

## STATIONS IN BENGAL IN OCTOBER 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st Oct. 1909. | Average rainfall from 16th to 31st Oct. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·18 | 1·00 | 2·89 | 0·96 | Nil | 1·21 | Patna | Patna | Patna | Bihar |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·39 | 0·90 | 3·14 | 0·90 | Nil | 1·13 | Dinapore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·29 | 0·84 | 2·50 | 0·84 | Nil | 1·02 | Bihar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·81 | 2·75 | 2·36 | 2·75 | Nil | 0·92 | Barh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·87 | 1·42 | 2·05 | 1·07 | Nil | 0·98 | Bikram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·71 | 0·30 | 2·15 | 0·30 | Nil | 0·98 | Hilsa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·41 | ? | 1·18 | Nil | ? | *Islampur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 2·38 | ? | 2·38 | Nil | ? | *Asthawan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·70 | Nil | 2·47 | Nil | Nil | 0·72 | Aurangabad | Gaya | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·90 | 0·17 | 2·32 | 0·17 | Nil | 0·99 | Gaya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·90 | 0·06 | 2·24 | 0·06 | Nil | 6·79 | Nawadah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3·07 | 1·00 | 2·72 | 0·54 | Nil | 0·76 | Jahanabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·44 | 0·18 | 2·24 | 0·18 | Nil | 0·80 | Arwal. | | | |
| | | | | | | | | | | | | 2·44 | | 1·51 | | | 0·77 | Daudnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·00 | 0·17 | 2·82 | 0·08 | Nil | 0·94 | Sherghati. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·06 | 0·11 | 2·19 | 0·11 | Nil | 0·77 | Rajauli. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·06 | Nil | 1·62 | Nil | Nil | 0·48 | Pakri Barawan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Deo.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Nabinagar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·84 | 0·93 | 2·97 | 0·88 | Nil | 1·08 | Buxar | Shahabad | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·78 | 0·10 | 2·49 | 0·10 | Nil | 1·08 | Dehri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·35 | Nil | 2·07 | Nil | Nil | 1·00 | Bhabhua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·84 | 0·53 | 2·79 | 0·53 | Nil | 1·05 | Sasaram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·48 | 0·05 | 2·77 | 0·05 | Nil | 0·90 | Arrah. | | | |
| | | | | | | | | | | | | 1·75 | | 2·70 | | | 0·75 | Mohanea. | | | |
| | | | | | | | | | | | | 2·78 | | 2·69 | | | 1·51 | Ageaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·89 | 0·18 | 1·86 | 0·13 | Nil | 0·99 | Ramagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·89 | 1·60 | 1·75 | 1·60 | Nil | 0·97 | Koath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·56 | 0·32 | 1·64 | 0·17 | Nil | 1·07 | Sikroul. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·67 | Nil | 3·86 | Nil | Nil | 1·75 | Bassowan. | | | |
| | | | | | | | | | | | | 2·67 | | 2·89 | | | 1·16 | Monaharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 1·21 | ? | 1·21 | Nil | ? | *Akberpur.* | | | |
| | | | | | | | | | | | | | | | | | | Chand. | | | |
| | | | | | | | | | | | | | | | | | | Chenari. | | | |
| | | | | | | | | | | | | | | | | | | Kargahar. | | | |
| | | | | | | | | | | | | | | | | | | Adhaura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·61 | 1·09 | 3·58 | 0·89 | Nil | 0·68 | Gopalganj | Saran | Tirhut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·68 | 1·15 | 3·[illegible] | 0·93 | Nil | 1·11 | Siwan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·[illegible] | 0·20 | 2·07 | 0·20 | Nil | 1·34 | Ekma. | | | |
| | | | | | | | | | | | | 2·81 | | 2·63 | | | 0·84 | Chapra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·57 | ? | 1·37 | Nil | ? | *Hathwa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·75 | 0·20 | 2·96 | 0·20 | Nil | 1·48 | Amnor. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·86 | 2·05 | 1·91 | 1·50 | Nil | 0·69 | Basantpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·16 | ? | 0·16 | Nil | ? | *Darauli.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Bhoreh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·23 | ? | 0·75 | Nil | ? | *Sripur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·75 | ? | 1·40 | Nil | ? | Parsa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·33 | ? | 0·33 | Nil | ? | Moharajganj. | | | |
| | | | | | | | | | | | | | | | | | | Masrah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·71 | 4·14 | 3·38 | 2·82 | Nil | 0·68 | Motihari | Champaran | | |
| | | | | | | | | | | | | 2·23 | | 3·25 | | | 0·62 | Bettiah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·69 | 4·17 | 3·82 | 2·72 | Nil | 0·60 | Bagaha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·63 | 1·75 | 2·66 | 1·75 | Nil | 0·85 | Burhurwa. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Ramnagar.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Narkatiaganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 5·30 | ? | [illegible] | Nil | ? | *Kissoriah.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 2·12 | ? | [illegible]09 | Nil | ? | *Dhanaha.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 2·57 | 1·95 | 2·79 | 1·10 | Nil | [illegible] | Sitamarhi | Muzaffarpur | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·87 | 2·70 | 2·92 | 2·20 | Nil | [illegible] | Muzaffarpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·33 | 0·59 | 3·20 | 0·58 | Nil | [illegible]98 | Hajipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·06 | 1·48 | 2·01 | 1·45 | Nil | 0·71 | Paru. | | | |
| | | | | | | | | | | | | 2·15 | | 2·59 | | | 1·01 | Mahua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 2·25 | 2·25 | 3·13 | 2·05 | Nil | 0·95 | Shiuhar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 2·68 | 1·01 | [illegible] | 0·95 | Nil | 0·15 | Pupri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | 1·01 | ? | 1·01 | Nil | ? | Raghopur. | | | |
| | | | | | | | | | | | | | | | | | | Mamne. | | | |
| | | | | | | | | | | | | | | | | | | Minapore. | | | |
| | | | | | | | | | | | | | | | | | | Katra. | | | |
| | | | | | | | | | | | | | | | | | | Patipur. | | | |
| | | | | | | | | | | | | | | | | | | Lalganj. | | | |
| | | | | | | | | | | | | | | | | | | Sursand. | | | |
| | | | | | | | | | | | | | | | | | | Sonbarsa. | | | |
| | | | | | | | | | | | | | | | | | | Bairagnia. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·68 | 2·42 | 2·47 | 1·46 | Nil | 0·92 | Tajpur (Samastipur). | Darbhanga | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·03 | 1·03 | 2·80 | 0·40 | Nil | 1·00 | Darbhanga. | | | |
| | | | | | | | | | | | | 2·73 | | [illegible] | | | 0·86 | Madhubani. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·94 | Nil | 1·56 | Nil | Nil | 0·46 | Bahera. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 2·06 | 1·64 | 1·58 | 0·93 | Nil | 0·42 | Roserha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | ? | 0·61 | ? | 0·25 | Nil | ? | *Khutonia.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 0·60 | ? | 0·37 | Nil | ? | *Ladania.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Laukaha.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Khajouli.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Banspatti.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | | 0·90 | ? | 0·90 | Nil | ? | *Madhupur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·19 | 0·89 | 2·64 | 0·80 | 0·03 | 1·15 | Begusarai | Monghyr | Bhagalpur. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·13 | 0·78 | 3·45 | 0·73 | Nil | 1·10 | Monghyr. | | | |
| | | | | | | | | | | | | 3·29 | | 2·17 | | | 0·73 | Jamui. | | | |
| | | | | | | | | | | | | 1·56 | | 1·65 | | | 0·44 | Gogri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·33 | 1·49 | 2·87 | 1·15 | 0·06 | 0·77 | Jamalpur. | | | |
| | | | | | | | | | | | | 1·44 | | 2·3[illegible] | | | 0·90 | Shaikhpura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4·78 | 0·67 | 3·10 | 0·60 | 0·07 | 1·46 | Chakai Bamda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·50 | 0·58 | 2·07 | 0·30 | Nil | 0·83 | Chupreon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·14 | 1·17 | 2·64 | 0·40 | 0·30 | 1·14 | Gidhour. | | | |
| | | | | | | | | | | | | 3·17 | | 2·44 | | | 1·01 | Kharagpur. | | | |

TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar—concld. | Bhagalpur—concld. | Bhagalpur ... | Madhipura ... | 0·83 | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bangaon (Syfabad). | | | | | | | | | | | | | | | | | | 0·12 | ... | ... |
| | | | Supaul ... | 1·10 | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pratapganj ... | ... | 0·05 | ... | 0·35 | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... |
| | | | Bhagalpur ... | 1·34 | 0·12 | 0·08 | 0·49 | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banka ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Colgong ... | 0·29 | 0·07 | ... | ... | 0·27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bansli ... | 0·27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Darjeeling ... | Siliguri ... | 3·35 | 0·83 | ... | 1·94 | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·10 | 0·09 |
| | | | Darjeeling ... | 2·54 | 0·31 | ... | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | 0·04 | 0·05 |
| | | | Kalimpong ... | 3·06 | 0·65 | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 0·40 | 0·02 |
| | | | Mongpoo ... | 2·51 | 0·70 | ... | 1·33 | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | 0·20 | 0·15 |
| | | | Kurseong ... | 2·45 | 0·23 | 0·01 | 0·19 | 0·04 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 0·49 | 0·02 |
| | | | Pedong ... | | | | | | | | | | | | | | | | | | 0·11 | ... | ... |
| | | Purnea ... | Kishanganj ... | 2·24 | ... | ... | 0·69 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Araria ... | 1·70 | 0·46 | ... | 0·18 | 0·46 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·71 | 0·06 | ... |
| | | | Purnea ... | 4·1[illegible] | 0·41 | ... | 0·03 | 0·94 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gondwara (*Korah*). | 5·12 | 1·23 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | 0·09 | ... |
| | | | Barsoe ... | 1·84 | 0·30 | 2·56 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Forbesganj ... | | | | | | | | | | | | | | | | | | | | |
| | | | Kaliaganj ... | | | | | | | | | | | | | | | | | | | | |
| | | Sonthal Parganas. | Rajmahal ... | 0·57 | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | 0·55 | ... |
| | | | Godda ... | 0·53 | 0·22 | ... | 0·[illegible]3 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... |
| | | | Pakaur ... | ... | ... | 0·56 | ... | 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | ... |
| | | | Naya Dumka | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Deoghur ... | 0·03 | ... | ... | 3·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamtara ... | | | | | | | | | | | | | | | | | | | | |
| | | | *Mohzgama* ... | | | | | | | | | | | | | | | | | | | | |
| | | | Nanihat ... | | | | | | | | | | | | | | | | | | | | |
| | | | Assenboni ... | 2·05 | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Katikund ... | | | | | | | | | | | | | | | | | | | | |
| | | | Madhupur ... | | | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sarwan ... | ... | ... | | | | | | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Narath ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | 0·17 | ... |
| | | | Poorya ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... |
| | | | Bhaiya ... | 0·50 | 0·30 | ... | 0·93 | ... | ... | ... | ... | 0·03 | ... | ... | 0·12 | ... | ... | ... | ... | ... | 0·20 | 0·36 | ... |
| | | | Mohespur ... | 1·96 | ... | ... | 0·76 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·26 | ... |
| | | | *Hiranpur* ... | 0·85 | 0·68 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... |
| | | | Barharwa ... | 1·30 | 0·70 | ... | ... | 0·41 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sahibganj ... | 4·69 | 0·12 | ... | ... | 0·24 | ... | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Barso* ... | 2·00 | 1·95 | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amrapura ... | | | | | | | | | | | | | | | | | | | | |
| Orissa. | Orissa. | Sambalpur ... | Sambalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bargarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Padampur* (*Baresamber*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Orissa Feudatory States. | Bhawanipatna | | | | | | | | | | | | | | | | | | | | |
| | | | Bolangir ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhenkhur ... | | | | | | | | | | | | | | | | | | | | |
| | | | [illegible] ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | [illegible] ... | | | | | | | | | | | | | | | | | | | | |
| | | Cuttack ... | Jagatsinghpur | ... | ... | ... | [illegible]7 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 |
| | | | Banki ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Cuttack ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... |
| | | | False Point ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | ... |
| | | | Kendrapara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·45 |
| | | | Jajpur ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·55 | ... |
| | | | Dharmsala ... | ... | ... | 0·10 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·06 |
| | | | Salepur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Balasore ... | Akhyapada ... | | | | | | | | | | | | | | | | | | | | |
| | | | Chandbali ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | 1·46 |
| | | | Bhadrak ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·21 |
| | | | Soro ... | 0·15 | 0·20 | ... | ... | 0·72 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 |
| | | | Balasore ... | | | | | | | | | | | | | | | | | | 0·06 | ... | ... |
| | | | Jellasore ... | 0·03 | 0·03 | ... | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Baliapal* ... | | | | | | | | | | | | | | | | | | 0·02 | ... | 0·58 |
| | | | *Eram* (Basudebpur). | 0·48 | ... | ... | 1·47 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tirigaria* ... | | | | | | | | | | | | | | | | | | | | |
| | | | *Banuth* ... | 0·05 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Angul ... | Angul ... | | | | | | | | | | | | | | | | | | | | |
| | | | Bissipara ... | ... | ... | 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chhendipada* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tikerpara* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Balandapara* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Orissa Tributary Mahals. | Baramba ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·51 |
| | | | Kunjabongarh | ... | ... | ... | 0·24 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhenkanal ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 |
| | | | *Baisinga* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·26 | ... | ... |
| | | | Keonjhar ... | ... | ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Anandapur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·33 | ... | ... |
| | | | Harippada ... | 2·74 | 0·07 | ... | 0·03 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Karanjia* ... | | | | | | | | | | | | | | | | | | | | |
| | | | Narsingpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nayagarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pal Lahera ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Talcher ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athmalik* ... | | | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hindol* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·85 | ... | 0·72 |
| | | | *Boad* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nilgiri* ... | 0·22 | 0·18 | ... | ... | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athgurh* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN OCTOBER 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st Oct. 1909. | Average rainfall from 16th to 31st Oct. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·41 | 0·01 | 3·36 | 0·83 | Nil | 0·90 | Madhipura ... | Bhagalpur ... | Bhagalpur—*concluded.* | Bihar—*concluded.* |
| | | | | | | | | | | | | 1·91 | | 1·75 | | | 0·57 | Bangaon (Syfabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 2·67 | 1·36 | 2·41 | 1·10 | 0·12 | 0·92 | Supaul. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·44 | 1·10 | 1·95 | 0·50 | Nil | 0·77 | Pratapganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·03 | 2·15 | 3·54 | 1·34 | 0·10 | 0·89 | Bhagalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·77 | Nil | 3·28 | Nil | Nil | 1·19 | Banka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·63 | 0·63 | 2·02 | 0·29 | Nil | 0·04 | Colgong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·33 | 0·27 | 2·32 | 0·27 | Nil | 0·70 | Bansil. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5·67 | 6·35 | 4·77 | 3·35 | 0·28 | 1·23 | Siliguri ... | Darjeeling ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 4·87 | 3·68 | 5·35 | 2·94 | 0·28 | 2·68 | Darjeeling. | | | |
| | | | | | | | | | | | | 3·17 | | 2·96 | | | 0·75 | Kalimpong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 4·00 | 4·37 | 3·99 | 3·06 | 0·70 | 1·34 | Monkpoo. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6 | 6·08 | 5·13 | 4·95 | 2·51 | 0·57 | 1·45 | Kurseong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5·50 | 3·74 | 3·32 | 2·46 | 0·81 | 1·26 | Pedong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·13 | 3·04 | 3·19 | 2·24 | 0·11 | 0·92 | Kishanganj ... | Purnea ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·00 | 2·80 | 3·09 | 1·70 | Nil | 0·97 | Araria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | 3·39 | 6·34 | 2·43 | 4·19 | 0·77 | 1·28 | Purnea. | | | |
| | | | | | | | | | | | | 2·80 | | 2·40 | | | 0·54 | Gondwara (*Korah*). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 2·89 | 6·54 | 2·09 | 5·12 | 0·19 | 0·64 | Barsoe. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 2·56 | 4·70 | 2·41 | 2·56 | Nil | 0·97 | Forbesganj. | | | |
| | | | | | | | | | | | | 3·20 | | 3·36 | | | 0·52 | Kaliaganj. | | | |
| | | | | | | | | | | | | 3·53 | | 3·17 | | | 0·02 | Rajmahal ... | Sonthal Parganas. | | |
| ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... | 1 | 3·66 | 0·73 | 2·79 | 0·57 | 0·08 | 0·97 | Godda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 4·84 | 1·75 | 4·83 | 0·55 | 0·87 | 1·17 | Pakaur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4·70 | 0·88 | 3·91 | 0·56 | 0·02 | 1·20 | Naya Dumka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 4·32 | 0·54 | 3·82 | 0·45 | 0·09 | 1·54 | Deoghur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·89 | 3·48 | 3·57 | 3·45 | Nil | 1·13 | Jamtara. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Mohagama.* | | | |
| | | | | | | | | | | | | 2·67 | | 1·94 | | | 0·83 | Nanihat. | | | |
| | | | | | | | | | | | | 4·50 | | 3·57 | | | 1·52 | Assenboni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4·00 | 2·80 | 3·97 | 2·65 | Nil | 1·82 | Katikund. | | | |
| | | | | | | | | | | | | 4·14 | | 2·78 | | | 1·41 | Madhupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·57 | 0·15 | 3·68 | 0·15 | Nil | 1·80 | Sarwan. | | | |
| | | | | | | | | | | | | 3·29 | | 3·19 | | | 1·90 | Sarath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·17 | 0·15 | 2·04 | 0·10 | Nil | 1·22 | Poorya | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·14 | Nil | 1·95 | Nil | Nil | 0·50 | Bhagya. | | | |
| ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | 6 | 3·86 | 2·48 | 3·11 | 0·93 | 0·75 | 1·38 | Mohespur. | | | |
| ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | ... | 5 | ? | 3·72 | ? | 1·96 | 0·80 | ? | *Hiranpur.* | | | |
| ... | ... | ... | ... | ... | ... | 0·19 | ... | ... | ... | ... | 5 | 3·86 | 2·28 | 3·30 | 0·85 | 0·75 | 0·91 | Barharwa | | | |
| ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... | 4 | 3·00 | 2·73 | 2·02 | 1·30 | 0·32 | 0·40 | Sahibganj. | | | |
| ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | 4 | ? | 5·51 | ? | 4·69 | 0·37 | ? | *Bario.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | [illegible] | 4·01 | [illegible] | 2·00 | Nil | ? | Amrapura. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... | ... | Nil | 3·60 | 0·04 | 3·13 | 0·04 | 0·04 | 1·67 | Sambalpur ... | Sambalpur ... | Orissa. | Orissa. |
| ... | ... | ... | ... | ... | ... | ... | 0·09 | ... | ... | ... | Nil | 2·90 | 0·09 | 1·73 | 0·09 | 0·09 | 0·87 | Bargarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | 1 | ? | 0·30 | ? | 0·30 | 0·30 | ? | *Padampur (Barasamber)* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Bhawanipatna | Uria Feudatory States. | | |
| ... | ... | ... | ... | ... | ... | 0·12 | ... | ... | ... | ... | 1 | ? | 0·12 | ? | 0·12 | 0·12 | ? | Bolangir. | | | |
| ... | ... | ... | ... | ... | ... | 0·28 | ... | ... | ... | ... | 1 | ? | 0·28 | ? | 0·08 | 0·28 | ? | Sonepur. | | | |
| ... | ... | ... | ... | ... | ... | 0·13 | ... | ... | ... | ... | 1 | ? | 0·13 | ? | 0·13 | 0·13 | ? | Rampur. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Deoghur. | | | |
| | | | | | | | | | | | | 3·32 | | 2·78 | | | 0·84 | Gangpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Bonaigurh. | | | |
| ... | ... | ... | ... | ... | ... | 3·19 | ... | ... | ... | ... | 1 | 6·83 | 3·19 | 6·86 | 3·19 | 3·19 | 2·57 | Jagatsingpur | Cuttack ... | | |
| ... | ... | ... | ... | ... | ... | 1·85 | ... | ... | ... | ... | 1 | 6·28 | 1·94 | 5·15 | 1·85 | 1·87 | 1·99 | Banki. | | | |
| ... | ... | ... | ... | ... | ... | 1·09 | 1·07 | ... | ... | ... | 2 | 6·06 | 1·16 | 5·73 | 1·09 | 2·16 | 2·36 | Cuttack. | | | |
| ... | ... | ... | ... | ... | ... | 1·45 | 0·40 | ... | ... | ... | 3 | 7·74 | 2·15 | 9·56 | 1·45 | 2·15 | 3·79 | Fatehgarh. | | | |
| ... | ... | ... | ... | ... | ... | 1·18 | ... | ... | ... | ... | 2 | 6·70 | 1·46 | 6·36 | 1·18 | 1·46 | 2·67 | Kendrapara. | | | |
| ... | ... | ... | ... | ... | ... | 0·72 | ... | ... | ... | ... | 2 | 6·07 | 1·24 | 5·48 | 0·72 | 1·17 | 1·96 | Jajpur. | | | |
| ... | ... | ... | ... | ... | 0·86 | ... | ... | ... | ... | ... | 3 | 5·39 | 1·51 | 4·95 | 0·86 | 1·41 | 1·70 | Dharmsala. | | | |
| ... | ... | ... | ... | ... | ... | 1·40 | ... | ... | ... | ... | 2 | 5·02 | 2·46 | 5·42 | 1·40 | 2·46 | 1·58 | Salepur. | | | |
| | | | | | | | | | | | | 6·00 | | 4·74 | | | [illegible] | Akhyapada ... | Balasore ... | | |
| ... | ... | ... | ... | ... | 0·82 | ... | ... | ... | ... | ... | 3 | 6·21 | 2·38 | 6·26 | 1·46 | 2·38 | 2·13 | Chandbali. | | | |
| ... | ... | ... | ... | ... | ... | 1·12 | 0·07 | ... | ... | ... | 2 | 5·45 | 3·42 | 5·25 | 3·31 | 3·40 | 2·07 | Bhadrak. | | | |
| 0·30 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | 5·50 | 1·52 | 5·83 | | 0·45 | 2·16 | Soro. | | | |
| | | | | | | | | | | | | 6·32 | | 6·59 | | | 2·48 | Balasore. | | | |
| ... | ... | ... | ... | ... | ... | 0·16 | ... | ... | ... | ... | | 5·04 | 0·44 | [illegible] | 0·16 | 0·22 | 1·22 | Jellasore. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Baliapal.* | | | |
| ... | ... | ... | ... | ... | ... | 1·49 | ... | ... | ... | ... | | ? | 4·01 | ? | 1·49 | 2·06 | ? | *Eram* (Basudeopur). | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Turigaria.* | | | |
| ... | ... | ... | ... | ... | ... | 0·50 | ... | ... | ... | ... | 1 | ? | 0·55 | ? | 0·50 | 0·50 | ? | *Basuth.* | | | |
| ... | ... | ... | ... | ... | ... | 0·88 | ... | ... | ... | ... | 2 | 5·15 | 1·00 | 4·32 | 0·88 | 0·88 | 1·29 | Angul ... | Angul ... | | |
| ... | ... | ... | ... | ... | ... | 1·17 | 0·01 | ... | ... | ... | 1 | 5·85 | 1·18 | 4·73 | 1·17 | 1·18 | 1·68 | Bisanpara. | | | |
| ... | ... | ... | ... | ... | 0·44 | 0·03 | ... | ... | ... | ... | 1 | ? | 0·47 | ? | 0·44 | 0·47 | ? | *Chhendipada.* | | | |
| ... | ... | ... | ... | ... | ... | 2·03 | 0·30 | ... | ... | ... | 2 | ? | 2·36 | ? | 2·06 | 2·36 | ? | *Tikerpara.* | | | |
| ... | ... | ... | ... | ... | ... | 0·44 | ... | ... | ... | ... | 1 | ? | 0·44 | ? | 0·44 | 0·44 | ? | *Balandapara.* | | | |
| ... | ... | ... | ... | ... | ... | 1·76 | ... | ... | ... | ... | 3 | 6·92 | 2·31 | 5·48 | 1·76 | 2·07 | 1·57 | Baramba ... | Orissa Tributary Mahals. | | |
| ... | ... | ... | ... | ... | ... | 2·60 | ... | ... | ... | ... | 2 | 5·94 | 2·84 | 5·24 | 2·60 | 2·60 | 1·72 | Kunjabongarh. | | | |
| ... | ... | ... | ... | ... | ... | 1·18 | ... | ... | ... | ... | 1 | 6·20 | 1·18 | 4·69 | 1·18 | 1·18 | 1·28 | Dhenkanal | | | |
| ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | ... | ... | 1 | ? | 0·14 | ? | 0·11 | 0·14 | ? | *Baisinga.* | | | |
| ... | ... | ... | ... | ... | 0·11 | 0·26 | ... | ... | ... | ... | 3 | 4·11 | 0·65 | 2·93 | 0·26 | 0·63 | 1·20 | Keonjhar. | | | |
| ... | ... | ... | ... | ... | 0·23 | ... | ... | ... | ... | ... | 1 | 5·11 | 0·23 | 4·57 | 0·23 | 0·23 | 2·06 | Anandapur | | | |
| ... | ... | ... | ... | ... | ... | ... | 0·34 | ... | ... | ... | 2 | 5·64 | 3·51 | 4·72 | 2·74 | 0·67 | 1·66 | Haripada. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Karanjia.* | | | |
| ... | ... | ... | ... | ... | ... | 1·16 | 0·20 | ... | ... | ... | 2 | 5·60 | 1·36 | 4·32 | 1·16 | 1·36 | 1·35 | Narangpur. | | | |
| ... | ... | ... | ... | ... | 2·55 | ... | ... | ... | ... | ... | 1 | 5·52 | 2·55 | 6·75 | 2·55 | 2·55 | 2·25 | Nayagarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·67 | Nil | 3·52 | Nil | Nil | 0·90 | Pal Lahera | | | |
| ... | ... | ... | ... | ... | ... | 2·02 | ... | ... | ... | ... | 1 | 6·38 | 2·02 | 7·10 | 2·02 | 2·02 | 2·02 | Ranpur. | | | |
| ... | ... | ... | ... | ... | ... | 0·80 | ... | ... | ... | ... | 1 | 4·15 | 0·80 | 3·19 | 0·80 | 0·80 | 0·79 | Talcher. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Athmalik.* | | | |
| ... | ... | ... | ... | ... | 2·64 | ... | ... | ... | ... | 0·02 | 2 | ? | 2·80 | ? | 2·64 | 2·66 | ? | *Hindol.* | | | |
| ... | ... | ... | ... | ... | ... | 0·00 | ... | ... | ... | ... | 1 | ? | 0·60 | ? | 0·60 | 0·60 | ? | *Boad.* | | | |
| ... | ... | ... | ... | ... | ... | 0·34 | ... | ... | ... | ... | 6 | ? | 2·49 | ? | 0·72 | 2·00 | ? | *Nilgiri.* | | | |
| 0·89 | ... | ... | ... | ... | ... | 0·66 | 0·01 | ... | ... | ... | 6 | ? | 0·67 | [illegible] | 0·66 | 0·67 | ? | *Athgurh.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa—*concld.* | Orissa—*concld.* | Puri | Puri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 |
| | | | Khurda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhanpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... |
| | | | Gop | ... | 0·50 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·32 | ... |
| | | | Satpara | | | | | | | | | | | | | | | | | | | | |
| | | | Sunakhalla | | | | | | | | | | | | | | | | | | | | |
| | | | *Kanas* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2·25 | ... |
| | | | Tanghi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jenkia | | | | | | | | | | | | | | | | | | | | |
| | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | | | | | | | | | | | | | | | | | | | | |
| | | | Hazaribagh | ... | 0·06 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barhi | 0·07 | 0·11 | 0·36 | 0·75 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chatra | 0·09 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagdiha | | | | | | | | | | | | | | | | | | | | |
| | | | Ramgar | | | | | | | | | | | | | | | | | | | | |
| | | | *Koderma* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bagador* | ... | 0·83 | ... | 2·31 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Ranchi | Lohardaga | ... | ... | 0·07 | 2·53 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranchi | ... | ... | 0·14 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Silli | 0·03 | ... | | | | | | | | | | | | | | | | | | |
| | | | Palkot | | | | | | | | | | | | | | | | | | | | |
| | | | *Bano* | | | | | | | | | | | | | | | | | | | | |
| | | | Tamar | | | | | | | | | | | | | | | | | | | | |
| | | | *Kurdeg* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Gumla* | ... | ... | 0·39 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chainpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khunti | ... | ... | ... | 0·40 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Palamau | Palamau (*Daltonganj*). | | | | | | | | | | | | | | | | | | | | |
| | | | Balumath | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Husainabad | | | | | | | | | | | | | | | | | | | | |
| | | | Garhwa | ... | 0·85 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mahuadanr* | | | | | | | | | | | | | | | | | | | | |
| | | | *Panki* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latehar* | | | | | | | | | | | | | | | | | | | | |
| | | | *Nagarutari* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ranka* | | | | | | | | | | | | | | | | | | | | |
| | | | *Chattarpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhaonathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Patan* | 1·00 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Monatu* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Lesliganj* | | | | | | | | | | | | | | | | | | | | |
| | | | *Kerh* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Garu* | | | | | | | | | | | | | | | | | | | | |
| | | | Chandwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Haribarganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhandaria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bisrampur | | | | | | | | | | | | | | | | | | | | |
| | | [illegible] | Purulia | 0·27 | 0·18 | 0·66 | 0·85 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... |
| | | | Gobindpur | 0·07 | ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | 0·20 | ... |
| | | | Raghunathpur | 0·22 | ... | ... | 0·17 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... |
| | | | Barahabhum | 0·64 | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... |
| | | | Jhalda | 0·06 | ... | ... | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhas | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | [illegible]ndra | 0·03 | ... | ... | 0·08 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | [illegible]-*bazar* | | | | | | | | | | | | | | | | | | | | |
| | | | [illegible]al | 0·45 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... |
| | | | [illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Singhbhum | Chaibassa | ... | ... | 0·54 | [illegible]2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·19 | ... |
| | | | Chakradharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·04 | ... | ... |
| | | | Ghatsila | ... | 0·27 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·35 | ... |
| | | | Baharagura | ... | 0·40 | ... | 1·3[illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 0·07 | ... |
| | | | Gailkura | | | | | | | | | | | | | | | | | | | | |
| | | | Kalikapur | ... | ... | 1·38 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·58 | ... |
| | | | Monaharpur | | | | | | | | | | | | | | | | | | | | |
| | | | *Katbari* | ... | ... | [illegible] | [illegible] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·49 | ... |
| | | | *Seraikilla* | ... | ... | 0·21 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kharswan* | 0·15 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Jaintigarh* | 0·01 | 0·16 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | ... | ... |
| | | | *Jaganathpur* | ... | ... | 0·00 | 0·12 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... |

STATIONS IN BENGAL IN OCTOBER 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th to 31st Oct. 1909. | Average rainfall from 16th to 31st Oct. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | 2·74 | ... | ... | ... | ... | 1 | 7·62 | 2·77 | 5·23 | 2·74 | 2·77 | 4·83 | Puri | Puri ... | Orissa—concld. | Orissa—concld. |
| ... | ... | ... | ... | ... | 2·15 | ... | ... | ... | ... | ... | 1 | 7·77 | 2·15 | 6·86 | 2·15 | 2·15 | 2·71 | Khurda. | | | |
| ... | ... | ... | ... | ... | ... | 2·72 | 0·24 | ... | ... | ... | 3 | 7·50 | 3·07 | 7·17 | 2·72 | 3·07 | 3·04 | Bhanpur. | | | |
| ... | ... | ... | ... | ... | 2·05 | ... | ... | ... | ... | ... | 3 | 8·00 | 2·87 | 7·56 | 2·05 | 2·37 | 3·25 | Gop. | | | |
| | | | | | | | | | | | | 7·36 | | 7·24 | | | 2·93 | Satpara. | | | |
| | | | | | | | | | | | | 6·67 | | 6·00 | | | 2·26 | *Kanas.* | | | |
| ... | ... | ... | ... | ... | ... | 3·60 | ... | ... | ... | 1·35 | 3 | ? | 7·20 | ? | 3·60 | 7·20 | ? | Tanghi. | | | |
| ... | ... | ... | ... | ... | ... | 2·40 | ... | ... | ... | ... | 1 | ? | 2·40 | ? | 2·40 | 2·40 | ? | Tangh . | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Jenkia. | | | |
| | | | | | | | | | | | | 3·94 | | 3·04 | | | 1·24 | Pachamba (*Giridih*). | Hazaribagh ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·48 | 0·06 | 3·31 | 0·06 | Nil | 1·18 | Hazaribagh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3·75 | 1·29 | 3·13 | 0·75 | Nil | 1·26 | Barhi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·81 | 0·09 | 2·55 | 0·09 | Nil | 0·86 | Chatra. | | | |
| | | | | | | | | | | | | 4·00 | | 2·77 | | | 0·91 | Kharagdiha. | | | |
| | | | | | | | | | | | | 4·00 | | 3·95 | | | 1·14 | Ramgar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Koderma.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 3·14 | ? | 2·31 | Nil | ? | *Bagador.* | | | |
| | | | | | | | | | | | | 4·41 | | 2·45 | | | 1·23 | Lohardaga ... | Ranchi ... | Chota Nagpur. | Chota Nagpur. |
| | | | | | | | | | | | | 4·35 | 2·00 | 2·99 | 2·53 | Nil | 1·03 | Ranchi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·27 | 1·07 | 1·75 | 0·93 | Nil | 0·52 | Silli. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3·29 | | 2·81 | | | 0·77 | Palkot. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Bano.* | | | |
| | | | | | | | | | | | | 3·37 | | 2·69 | | | 0·61 | Tamar. | | | |
| | | | | | | | | | | | Nil | ? | Nil | ? | Nil | Nil | ? | *Kurdeg.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·39 | ? | 0·39 | Nil | ? | *Gumla.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·29 | Nil | 3·07 | Nil | Nil | 0·84 | Chainpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·28 | 2 | ? | 0·68 | ? | 0·40 | 0·28 | ? | Khunti. | | | |
| | | | | | | | | | | | | 3·00 | | 2·40 | | | 0·94 | Palamau (*Daltonganj*). | Palamau ... | | |
| | | | | | | | | | | | Nil | 3·07 | Nil | 2·85 | Nil | Nil | 1·17 | Balumath. | | | |
| | | | | | | | | | | | | 2·25 | | 2·61 | | | 1·29 | Husainabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·00 | 0·85 | 2·90 | 0·85 | Nil | 0·96 | Garhwa. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Mahuadanr.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Panki.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Latehar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Nagarutari.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Ranka.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Chattarpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Bhaonathpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 1·00 | ? | 1·00 | Nil | ? | *Patan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Monatu.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Lesliganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Kerh.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Garu.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Chandwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Hariharganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Bhandaria. | | | |
| | | | | | | | | | | | | ? | | ? | | Nil | ? | Bisrampur. | | | |
| | | | | | | | | | | | 5 | 3·80 | 2·11 | 3·24 | 0·85 | 0·15 | 0·98 | Purulia | Manbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 4·10 | 1·03 | 3·49 | 0·67 | 0·29 | 1·05 | Gobindpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 2·88 | 0·47 | 1·72 | 0·22 | 0·08 | 0·49 | Raghunathpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 4·06 | 1·20 | 2·39 | 0·64 | 0·20 | 0·78 | Barahabhum | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 3·50 | 0·32 | 2·71 | 0·24 | 0·24 | 0·76 | Jhalda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 3·81 | Nil | 2·43 | Nil | Nil | 0·81 | Chas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·44 | 0·11 | 2·09 | 0·08 | Nil | 1·70 | Pandra. | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | *Manbazar.* | | | |
| | | | | | | | | | | | | ? | | ? | | | ? | Koilapal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·45 | ? | 0·45 | Nil | ? | Dhanbad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·11 | ? | 0·11 | 0·11 | ? | | | | |
| | | | | | | | | | | | 3 | 4·19 | 0·95 | 2·68 | 0·[illegible] | 0·19 | 1·02 | Chaibassa | Singhbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 4·60 | 0·44 | 2·54 | 0·[illegible]4 | 0·04 | 0·78 | Chakradharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3·69 | 0·62 | 3·21 | 0·35 | 0·35 | 0·99 | Ghatsila. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 4·38 | 2·01 | 3·03 | 0·36 | 0·25 | 1·21 | Chaibaguru. | | | |
| | | | | | | | | | | | | 3·00 | | 2·47 | | | 0·62 | Gailkura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 3·88 | 1·96 | 3·36 | 1·38 | 0·58 | ? | Kalikapur. | | | |
| | | | | | | | | | | | | 2·43 | | 1·83 | | | 0·[illegible] | Monoharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ? | 0·69 | ? | 0·[illegible] | 0·49 | ? | *Kutbari.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ? | 0·21 | ? | 0·21 | Nil | ? | *Seraikela.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ? | 0·15 | ? | 0·15 | Nil | ? | *Kharswan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ? | 1·18 | ? | 0·64 | 0·38 | ? | *Jaintigarh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | [illegible] | ? | 0·51 | ? | 0·30 | 0·30 | ? | *Jaganathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of October 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th October 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan | Burdwan ... | 2·58 | 3·35 | —0·77 | 3·80 | 4·17 | 1·01 | 1·22 | —0·21 | 1·60 | 1·42 |
| | | Birbhum ... | 2·81 | 3·52 | —0·71 | 3·67 | 4·08 | 0·43 | 1·15 | —0·72 | 0·[illegible]3 | 1·33 |
| | | Bankura ... | 1·07 | 3·15 | —2·08 | 1·70 | 4·00 | 0·23 | 1·11 | —0·88 | 0·30 | 1·45 |
| | | Midnapore ... | 2·37 | 4·41 | —2·04 | 3·67 | 4·99 | 0·39 | 1·73 | —1·34 | 0·83 | 1·62 |
| | | Hooghly ... | 5·73 | 3·92 | +1·81 | 4·00 | 5·11 | 2·48 | 1·27 | +1·21 | 1·33 | 1·73 |
| | | Howrah ... | 3·28 | 3·79 | —0·51 | 4·00 | 3·19 | 1·51 | 1·22 | +0·29 | 1·67 | 1·72 |
| | Presidency | 24-Parganas ... | 4·82 | 5·21 | —0·39 | 4·57 | 5·78 | 3·14 | 1·99 | +1·15 | 2·00 | 1·96 |
| | | Calcutta ... | 3·77 | 3·87 | —0·10 | 4·00 | 5·88 | 3·48 | 1·10 | +2·38 | 3·00 | 1·90 |
| | | Nadia ... | 6·64 | 4·04 | +2·60 | 5·20 | 5·00 | 4·60 | 1·52 | +3·08 | 2·60 | 1·71 |
| | | Murshidabad ... | 3·58 | 3·75 | —0·17 | 5·17 | 4·38 | 1·44 | 1·29 | +0·15 | 1·83 | 1·40 |
| | | Jessore ... | 9·33 | 4·44 | +4·89 | 5·33 | 5·29 | 7·70 | 1·77 | +5·93 | 2·33 | 1·93 |
| | | Khulna ... | 8·21 | 5·21 | +3·00 | 3·33 | 5·40 | 6·23 | 2·01 | +4·22 | 2·00 | 1·98 |
| Bihar. | Patna | Patna ... | 1·20 | 2·66 | —1·46 | 1·17 | 3·03 | Nil | 1·04 | —1·04 | 0·00 | 1·00 |
| | | Gaya ... | 0·21 | 2·27 | —2·06 | 0·63 | 2·78 | Nil | 0·78 | —0·78 | 0·[illegible]0 | 1·01 |
| | | Shahabad ... | 0·41 | 2·61 | —2·20 | 0·78 | 2·79 | Nil | 1·10 | —1·10 | 0·00 | 1·00 |
| | Tirhut | Saran ... | 0·94 | 2·67 | —1·73 | 1·60 | 2·74 | Nil | 1·02 | —1·02 | 0·00 | 0·62 |
| | | Champaran ... | 3·35 | 3·28 | +0·07 | 1·67 | 2·47 | Nil | 0·68 | —0·68 | 0·00 | 0·60 |
| | | Muzaffarpur ... | 1·66 | 2·61 | —0·95 | 1·67 | 2·47 | Nil | 0·85 | —0·85 | 0·00 | 0·71 |
| | | Darbhanga ... | 1·27 | 2·16 | —0·89 | 2·00 | 2·48 | Nil | 0·73 | —0·73 | 0·00 | 0·70 |
| | Bhagalpur | Monghyr ... | 0·93 | 2·49 | —1·56 | 1·84 | 2·85 | 0·08 | 0·95 | —0·87 | 0·17 | 0·90 |
| | | Bhagalpur ... | 0·92 | 2·58 | —1·66 | 1·86 | 2·77 | 0·03 | 0·91 | —0·88 | 0·29 | 0·89 |
| | | Darjeeling ... | 4·65 | 4·23 | +0·42 | 4·80 | 4·88 | 0·51 | 1·62 | —1·11 | 1·80 | 1·56 |
| | | Purnea ... | 4·68 | 2·86 | +1·82 | 3·40 | 3·00 | 0·21 | 0·83 | —0·62 | 0·80 | 0·82 |
| | | Sonthal Parganas. | 1·27 | 3·15 | —1·88 | 2·08 | 3·71 | 0·31 | 1·21 | —0·90 | 0·50 | 1·10 |
| Orissa. | Orissa | Sambalpur ... | 0·06 | 1·95 | —1·89 | Nil | 5·25 | 0·06 | 0·97 | —0·91 | 0·00 | 1·63 |
| | | Angul ... | 1·09 | 4·53 | —3·44 | 1·50 | 5·60 | 1·03 | 1·49 | —0·46 | 1·00 | 2·76 |
| | | Cuttack ... | 1·89 | 6·19 | —4·30 | 2·00 | 6·38 | 1·98 | 2·33 | —0·35 | 1·88 | 2·68 |
| | | Balasore ... | 1·94 | 5·54 | —3·60 | 3·00 | 5·75 | 1·61 | 1·93 | —0·32 | 2·00 | 2·20 |
| | | Puri .. | 2·72 | 7·18 | —4·46 | 2·00 | 7·49 | 2·59 | 3·08 | —0·49 | 1·75 | 3·00 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh .. | 0·48 | 3·13 | —2·65 | 1·00 | 4·00 | Nil | 1·10 | —1·10 | 0·00 | 1·02 |
| | | Ranchi ... | 1·84 | 2·63 | —0·79 | 1·50 | 3·53 | Nil | 0·83 | —0·83 | 0·00 | 1·42 |
| | | Palamau ... | 0·43 | 2·69 | —2·26 | 0·50 | 2·85 | Nil | 1·09 | —1·09 | 0·00 | 1·11 |
| | | Manbhum ... | 0·76 | 2·70 | —1·94 | 1·86 | 3·80 | 0·14 | 1·02 | —0·88 | 0·00 | 1·80 |
| | | Singhbhum ... | 1·12 | 2·80 | —1·68 | 2·00 | 3·65 | 0·28 | 0·96 | —0·68 | 0·57 | 1·79 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF OCTOBER 1909.

During the month of October the rainfall was above the average in Hooghly, Nadia, Jessore, Khulna, Champaran, Darjeeling and Purnea. The excess was greatest in Jessore where the fall was 4·89 inches above the normal. Elsewhere in the Province, the fall was below the normal. On an average, South-West Bengal received 3·32 inches, Bihar 1·02 inches, Orissa 1·80 inches and Chota Nagpur 0·56 inch. Expressed in percentage figures, the total rainfall from May to October, *i.e.*, during the South-West monsoon season, was 117 per cent. in South-West Bengal, 101 per cent. in Bihar, 106 per cent. in Orissa and 89 per cent in Chota Nagpur.

The following table compares the rainfall in the four divisions during the month of October with the normal fall, the actual being given as a percentage of the normal. The table also shows the actual falls for each of the previous months of the year expressed in the same way, and the last column of the table shows the total rainfall of the past ten months of the year 1909:—

| Meteorological Divisions. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | Actual rainfall of first ten months of 1909 expressed as a percentage of the normal fall for the period. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal ... | 61 | 17 | 1 | 308 | 82 | 126 | 76 | 180 | 100 | 82 | 117 |
| Bihar ... | 41 | 44 | 0 | 457 | 39 | 180 | 75 | 112 | 76 | 88 | 101 |
| Orissa .. | 81 | 179 | 10 | 411 | 95 | 130 | 146 | 80 | 103 | 29 | 106 |
| Chota Nagpur ... | 208 | 182 | 7 | 369 | 45 | 96 | 68 | 95 | 104 | 20 | 89 |

PERCENTAGE TABLE FOR OCTOBER 1909.

| Division. | District. | Normal district rainfall for Oct. | Actual district rainfall for Oct. 1909. | Percentage of actual to normal rainfall. | Percentage excess (+), deficit (—). |
|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... ... | 3·35 | 2·58 | 77 | — 23 |
| | Birbhum ... ... | 3·52 | 2·81 | 80 | — 20 |
| | Bankura ... ... | 3·15 | 1·07 | 34 | — 66 |
| | Midnapore ... ... | 4·41 | 2·37 | 54 | — 46 |
| | Hooghly ... ... | 3·92 | 5·73 | 146 | + 46 |
| | Howrah ... ... | 3·79 | 3·28 | 87 | — 13 |
| | 24-Parganas ... ... | 5·21 | 4·82 | 93 | — 7 |
| | Calcutta ... ... | 3·87 | 3·77 | 97 | — 3 |
| | Nadia ... ... | 4·04 | 6·64 | 164 | + 64 |
| | Murshidabad ... ... | 3·75 | 3·58 | 95 | — 5 |
| | Jessore ... ... | 4·44 | 9·33 | 210 | +110 |
| | Khulna ... ... | 5·21 | 8·21 | 158 | + 58 |
| Bihar ... | Patna ... ... | 2·66 | 1·20 | 45 | — 55 |
| | Gaya ... ... | 2·27 | 0·21 | 9 | — 91 |
| | Shahabad ... ... | 2·61 | 0·41 | 16 | — 84 |
| | Saran ... ... | 2·67 | 0·94 | 35 | — 65 |
| | Champaran ... ... | 3·28 | 3·35 | 102 | + 2 |
| | Muzaffarpur ... ... | 2·61 | 1·66 | 64 | — 36 |
| | Darbhanga ... ... | 2·16 | 1·27 | 59 | — 41 |
| | Monghyr ... ... | 2·49 | 0·93 | 38 | — 62 |
| | Bhagalpur ... ... | 2·58 | 0·92 | 36 | — 64 |
| | Darjeeling ... ... | 4·28 | 4·65 | 109 | + 9 |
| | Purnea ... ... | 2·86 | 4·68 | 164 | + 64 |
| | Sonthal Parganas ... | 3·15 | 1·27 | 40 | — 60 |
| Orissa ... | Sambalpur ... ... | 1·95 | 0·06 | 4 | — 96 |
| | Angul ... ... | 4·53 | 1·09 | 24 | — 76 |
| | Cuttack ... ... | 6·19 | 1·89 | 31 | — 69 |
| | Balasore ... ... | 5·54 | 1·94 | 35 | — 65 |
| | Puri ... ... | 7·18 | 2·72 | 38 | — 62 |
| Chota Nagpur | Hazaribagh ... ... | 3·13 | 0·48 | 15 | — 85 |
| | Ranchi ... ... | 2·63 | 1·84 | 70 | — 30 |
| | Palamau ... .. | 2·69 | 0·43 | 16 | — 84 |
| | Manbhum ... ... | 2·70 | 0·76 | 28 | — 72 |
| | Singhbhum ... ... | 2·80 | 1·12 | 40 | — 60 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of October 1909:—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Since 16th October 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation. | Average number in month. | Normal average number in month. | Variation. | Average. | Normal average. |
| South-West Bengal ... | 3·32 | 4·04 | —0·72 | 3·27 | 4·77 | —1·50 | 1·78 | 1·48 |
| Bihar ... ... | 1·02 | 2·72 | —1·70 | 1·22 | 2·96 | —1·74 | 0·60 | 0·97 |
| Orissa ... ... | 1·80 | 6·29 | —4·49 | 1·95 | 6·52 | —4·57 | 1·74 | 2·43 |
| Chota Nagpur ... | 0·56 | 2·79 | —2·23 | 1·00 | 3·62 | —2·62 | 0·08 | 0·99 |

CALCUTTA,
*The 18th November 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal.*

*Vital Statistics of the districts of Bengal for the month of September 1909.*

| Divisions. | Districts. | Population under registration. | Births: Number registered. | Births: Ratio per 1,000 of population per annum. | Deaths: Cholera: Number registered. | Cholera: Ratio per 1,000 of population per annum. | Small-pox: Number registered. | Small-pox: Ratio per 1,000 of population per annum. | Plague: Number registered. | Plague: Ratio per 1,000 of population per annum. | Fever: Number registered. | Fever: Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa: Number registered. | Dysentery and Diarrhœa: Ratio per 1,000 of population per annum. | Respiratory diseases: Number registered. | Respiratory diseases: Ratio per 1,000 of population per annum. | Injury: Number registered. | Injury: Ratio per 1,000 of population per annum. | Other causes: Number registered. | Other causes: Ratio per 1,000 of population per annum. | Total of all causes: Number registered. | Total of all causes: Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years: Number registered. | Average of corresponding month of previous five years: Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,598 | 35·88 | 8 | ·06 | 14 | ·10 | ... | ... | 2,299 | 17·88 | 56 | ·36 | 14 | ·10 | 65 | ·48 | 784 | 6·12 | 3,230 | 25·20 | 3,744 | 29·28 | |
| | Birbhum | 902,250 | 2,712 | 36·09 | 67 | ·84 | 9 | ·10 | ... | ... | 1,796 | 23·88 | 11 | ·12 | 7 | ·08 | 37 | ·48 | 304 | 3·96 | 2,231 | 29·64 | 2,541 | 33·72 | |
| | Bankura | 1,116,411 | 3,133 | 33·60 | 45 | ·48 | 12 | ·12 | ... | ... | 1,761 | 18·84 | 39 | ·36 | 1 | ·009 | 58 | ·60 | 533 | 5·64 | 2,449 | 26·28 | 2,726 | 29·28 | |
| | Midnapore | 2,789,114 | 7,712 | 33·12 | 51 | ·12 | 51 | ·12 | ... | ... | 2,868 | 12·24 | 84 | ·36 | 19 | ·07 | 72 | ·24 | 1,112 | 4·68 | 4,257 | 18·24 | 6,101 | 26·16 | |
| | Hooghly, including Serampore. | 1,049,041 | 3,062 | 35·16 | 18 | ·12 | 33 | ·24 | ... | ... | 1,436 | 16·32 | 115 | 1·20 | 36 | ·36 | 56 | ·60 | 548 | 6·24 | 2,242 | 25·56 | 2,660 | 30·36 | |
| | Howrah | 850,514 | 2,211 | 31·08 | 18 | ·24 | 43 | ·60 | ... | ... | 581 | 8·16 | 162 | 2·28 | 50 | ·60 | 76 | ·96 | 450 | 6·24 | 1,380 | 19·44 | 1,754 | 24·72 | |
| Presidency | 24-Parganas | 2,078,359 | 6,190 | 35·64 | 21 | ·12 | 41 | ·12 | ... | ... | 1,800 | 10·32 | 212 | ·60 | 106 | ·60 | 183 | ·96 | 860 | 4·92 | 3,123 | 18·00 | 4,014 | 23·16 | |
| | Calcutta | 847,796 | 1,728 | 24·36 | 35 | ·48 | ... | ... | 31 | ·36 | 237 | 3·24 | 128 | 1·80 | 347 | 4·80 | 43 | ·60 | 996 | 14·04 | 1,817 | 25·68 | 1,778 | 25·08 | |
| | Nadia | 1,667,491 | 6,898 | 49·56 | 16 | ·10 | 5 | ·02 | ... | ... | 2,204 | 15·84 | 5 | ·02 | 5 | ·02 | 95 | ·60 | 813 | 5·76 | 3,144 | 22·56 | 4,174 | 30·00 | |
| | Murshidabad | 1,333,184 | 6,507 | 58·56 | 33 | ·12 | 1 | ·008 | ... | ... | 2,064 | 18·60 | 9 | ·07 | 5 | ·03 | 77 | ·60 | 742 | 6·60 | 2,934 | 26·40 | 3,994 | 35·88 | |
| | Jessore | 1,813,185 | 5,150 | 34·08 | 13 | ·08 | 21 | ·12 | ... | ... | 3,333 | 21·96 | 18 | ·10 | 11 | ·07 | 123 | ·72 | 576 | 3·72 | 4,095 | 27·00 | 3,746 | 24·72 | |
| | Khulna | 1,253,043 | 4,011 | 38·40 | 1 | ·008 | 13 | ·12 | ... | ... | 1,970 | 18·84 | 8 | ·07 | 6 | ·04 | 67 | ·60 | 547 | 3·04 | 2,912 | 27·84 | 3,281 | 31·32 | |
| Patna | Patna | 1,624,742 | 5,330 | 39·48 | 210 | 1·44 | 14 | ·09 | 59 | ·36 | 4,852 | 33·76 | 313 | 2·28 | 127 | ·84 | 171 | 1·20 | 1,683 | 12·36 | 7,429 | 54·84 | 6,462 | 47·64 | |
| | Gaya | 2,059,933 | 7,183 | 41·76 | 41 | ·12 | 9 | ·04 | ... | ... | 5,520 | 32·04 | 62 | ·36 | 16 | ·08 | 174 | ·96 | 1,031 | 6·00 | 6,853 | 39·84 | 9,829 | 57·24 | |
| | Shahabad | 1,962,696 | 7,144 | 43·56 | 216 | 1·32 | 14 | ·08 | 9 | ·04 | 5,200 | 31·68 | 5 | ·02 | 1 | ·006 | 147 | ·84 | 1,246 | 7·56 | 6,838 | 41·76 | 7,470 | 45·60 | |
| | Saran | 2,403,814 | 8,119 | 40·44 | 51 | ·24 | 18 | ·08 | 112 | ·48 | 3,241 | 19·56 | 141 | ·60 | 62 | ·24 | 214 | ·96 | 2,527 | 12·60 | 7,076 | 35·16 | 6,753 | 33·60 | |
| Tirhut | Champaran | 1,790,463 | 9,112 | 60·96 | 200 | 1·32 | 15 | ·02 | ... | ... | 2,883 | 19·32 | 3 | ·01 | 1 | ·006 | 136 | ·84 | 1,399 | 9·36 | 4,627 | 30·96 | 5,090 | 34·08 | |
| | Muzaffarpur | 2,756,130 | 9,242 | 40·20 | 542 | 2·28 | 30 | ·12 | ... | ... | 7,277 | 31·68 | 61 | ·24 | 8 | ·02 | 308 | 1·32 | 1,316 | 5·28 | 9,442 | 41·04 | 7,800 | 33·84 | |
| | Darbhanga | 2,912,611 | 8,575 | 35·28 | 388 | 1·56 | 16 | ·06 | ... | ... | 9,178 | 37·80 | 328 | 1·32 | 5 | ·01 | 307 | 1·20 | 1,451 | 5·88 | 11,673 | 48·00 | 6,996 | 28·80 | |
| Bhagalpur | Monghyr | 2,068,804 | 8,622 | 49·92 | 263 | 1·44 | 12 | ·06 | ... | ... | 5,091 | 29·52 | 53 | ·24 | 6 | ·02 | 198 | 1·08 | 1,169 | 6·72 | 6,792 | 39·36 | 6,741 | 39·00 | |
| | Bhagalpur | 2,088,953 | 7,815 | 44·88 | 1,739 | 10·20 | 12 | ·06 | ... | ... | 6,443 | 36·96 | 17 | ·09 | ... | ... | 163 | ·84 | 711 | 4·08 | 9,135 | 52·44 | 6,601 | 37·80 | |
| | Purnea | 1,874,794 | 7,401 | 47·28 | 248 | 1·56 | 39 | ·24 | ... | ... | 3,848 | 24·60 | 4 | ·02 | 1 | ·006 | 104 | ·60 | 187 | 1·08 | 4,431 | 28·32 | 4,685 | 29·88 | |
| | Darjeeling | 249,117 | 700 | 33·60 | 4 | ·12 | ... | ... | ... | ... | 467 | 22·44 | 52 | 2·40 | 4 | ·12 | 7 | ·24 | 153 | 7·32 | 687 | 33·00 | 860 | 41·40 | |
| | Sonthal Parganas | 1,509,737 | 6,755 | 44·76 | 244 | 1·56 | 25 | ·12 | ... | ... | 3,797 | 25·08 | 41 | ·24 | 3 | ·01 | 54 | ·24 | 458 | 3·00 | 4,623 | 30·60 | 5,[illegible] | 38·40 | |
| Orissa | Cuttack | 2,962,758 | 5,969 | 34·68 | 9 | ·04 | 4 | ·01 | ... | ... | 1,581 | 9·12 | 446 | 2·52 | 44 | ·24 | 156 | ·84 | 1,021 | 5·88 | 3,261 | 18·96 | [illegible]33 | 51·96 | |
| | Balasore | 1,071,197 | 2,705 | 30·24 | 4 | ·03 | 16 | ·12 | ... | ... | 718 | 8·04 | 72 | ·72 | ... | ... | 74 | ·72 | 928 | 10·32 | 1,812 | 20·28 | [illegible]38 | 37·32 | |
| | Puri | 1,017,284 | 2,903 | 34·20 | 9 | ·09 | 7 | ·07 | ... | ... | 443 | 5·16 | 284 | 3·24 | 107 | 1·20 | 66 | ·72 | 640 | 7·44 | 1,556 | 18·24 | [illegible]92 | 36·36 | |
| | Sambalpur | 636,580 | 2,434 | 46·20 | ... | ... | ... | ... | ... | ... | 542 | 10·20 | 112 | 2·04 | 43 | [illegible] | 21 | ·36 | 495 | 9·24 | 1,213 | 22·80 | [illegible] | 35·76* | |
| | Angul and Khondmals | | | | | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 5,110 | 51·96 | 31 | ·24 | 6 | ·06 | ... | ... | 2,437 | 24·72 | 18 | ·12 | 3 | ·02 | 64 | ·60 | 552 | 5·52 | 3,111 | 31·68 | 4,454 | 45·36 | |
| | Ranchi | 1,187,925 | 5,424 | 54·72 | ... | ... | ... | ... | ... | ... | 2,057 | 20·76 | 144 | 1·44 | 11 | ·10 | 64 | ·60 | 877 | 8·76 | 3,153 | 31·80 | 4,696 | 47·40 | |
| | Palamau | 619,600 | 2,562 | 49·56 | ... | ... | 13 | ·24 | ... | ... | 1,347 | 26·04 | 14 | ·24 | 2 | ·03 | 49 | ·84 | 278 | 5·28 | 1,703 | 32·88 | 2,581 | 49·92 | |
| | Manbhum | 1,301,364 | 4,728 | 43·56 | 5 | ·03 | 7 | ·06 | ... | ... | 1,882 | 17·28 | 4 | ·03 | ... | ... | 44 | ·36 | 420 | 3·84 | 2,362 | 21·72 | 3,029 | 27·84 | |
| | Singhbhum | 613,579 | 2,335 | 45·72 | 1 | ·01 | 12 | ·12 | ... | ... | 762 | 14·88 | 15 | ·24 | 1 | ·01 | 35 | ·60 | 113 | 2·16 | 939 | 18·36 | 1,510 | 29·52 | |
| | Total | 50,528,446 | 174,152 | 41·28 | 4,581 | 1·08 | 503 | ·10 | 211 | ·04 | 93,609 | 21·96 | 2,936 | ·60 | 1,052 | ·24 | 3,508 | ·72 | 27,130 | 6·36 | 132,530 | 31·44 | 149,131 | 35·40 | |
| | Average of corresponding month of previous five years | ..... | 157,754 | 37·44 | 13,829 | 3·24 | 497 | ·10 | 643 | ·12 | 95,514 | 22·68 | 5,269 | 1·20 | 941 | ·12 | 3,383 | ·72 | 29,055 | 6·84 | 149,131 | 35·40 | ... | ... | |
| | Difference + or − | ..... | +16,398 | +3·84 | −9,248 | −2·16 | +6 | Equal | −432 | −·08 | −2,905 | −·72 | −2,333 | −·60 | +111 | +·12 | +125 | Equal | −1,925 | −·48 | −16,601 | −3·96 | ... | ... | |

* For three years.

Not under registration.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 20th November 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of September 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | 1. Burdwan | 35,286 | 23 | 7·80 | ... | ... | ... | ... | ... | ... | 19 | 6·36 | 10 | 3·36 | 1 | ·24 | 2 | ·60 | 4 | 1·32 | 36 | 12·24 | 51 | 27·48 | |
| Bankura | 2. Bankura | 39,737 | 31 | 17·88 | ... | ... | ... | ... | ... | ... | 15 | 8·64 | 2 | 1·08 | ... | ... | ... | ... | 4 | 2·28 | 21 | 12·12 | 47 | 27·12 | |
| Midnapore | 3. Midnapore | 33,140 | 74 | 26·76 | ... | ... | 2 | ·72 | ... | ... | 40 | 14·40 | 7 | 2·52 | ... | ... | ... | ... | 7 | 2·52 | 56 | 20·16 | 118 | 42·72 | |
| Hooghly | 4. Hooghly and Chinsura | 33,140 | 90 | 36·72 | 1 | ·36 | ... | ... | ... | ... | 41 | 16·68 | 21 | 8·52 | 3 | ·20 | ... | ... | 17 | 6·84 | 83 | 33·84 | 83 | 33·84 | |
| | 5. Serampore | 44,451 | 111 | 29·88 | 2 | ·48 | 1 | ·24 | ... | ... | 34 | 9·12 | 14 | 3·72 | ... | ... | 2 | ·48 | 30 | 8·04 | 83 | 22·32 | 129 | 34·80 | |
| Howrah | 6. Howrah | 157,534 | 323 | 24·48 | 5 | ·36 | ... | ... | ... | ... | 184 | 13·92 | 31 | 2·[illegible] | 23 | 1·68 | 6 | ·36 | 87 | 6·60 | 398 | 25·56 | 368 | 27·96 | |
| 24 Parganas | 7. Cossipore-Chitpur | 40,750 | 66 | 19·32 | 2 | ·48 | ... | ... | ... | ... | 11 | 3·12 | 16 | 4·68 | 24 | 6·96 | 2 | ·48 | 48 | 14·04 | 103 | 30·24 | 27 | 7·92 | |
| | 8. Maniktala | 32,387 | 75 | 27·72 | 4 | 1·44 | ... | ... | ... | ... | 24 | 8·88 | 4 | 1·44 | 10 | 3·60 | ... | ... | 45 | 16·56 | 87 | 32·16 | 20 | 7·32 | |
| | 9. South Suburban | 28,374 | 84 | 38·16 | 1 | ·36 | ... | ... | ... | ... | 33 | 15·00 | 3 | 1·32 | ... | ... | 1 | ·36 | 12 | 5·40 | 50 | 22·68 | 51 | 23·16 | |
| | 10. Garden Reach | 28,211 | 81 | 34·44 | 4 | 1·[illegible] | ... | ... | ... | ... | 24 | 9·72 | 12 | 5·04 | 19 | 8·04 | 3 | 1·20 | 38 | 16·08 | 99 | 42·00 | 36 | 15·24 | |
| | 11. Baranagore | 25,432 | 62 | 24·48 | ... | ... | ... | ... | ... | ... | 19 | 8·88 | 12 | 5·64 | 2 | ·94 | ... | ... | 12 | 5·64 | 45 | 21·12 | 48 | 22·56 | |
| | 12. Bhatpara | 21,540 | 64 | 35·64 | 3 | 1·56 | ... | ... | 31 | ·36 | 237 | 3·24 | 128 | 1·80 | 347 | 4·80 | 1 | ·48 | 10 | 5·52 | 59 | 32·76 | 37 | 20·52 | |
| Calcutta | 13. Calcutta | 847,796 | 1,728 | 24·36 | 35 | ·48 | ... | ... | ... | ... | 20 | 9·72 | ... | ... | ... | ... | 43 | ·60 | 996 | 14·04 | 1,817 | 25·68 | 1,775 | 25·08 | |
| Nadia | 14. Krishnagar | 24,547 | 95 | 45·68 | ... | ... | ... | ... | ... | ... | 36 | 15·96 | ... | ... | ... | ... | 3 | 1·44 | 8 | 3·84 | 31 | 15·12 | 39 | 18·96 | |
| | 15. Santipur | 26,598 | 98 | 48·12 | ... | ... | ... | ... | 1 | ·09 | 41 | 20·16 | 1 | ·48 | ... | ... | 1 | ·48 | 20 | 9·72 | 63 | 30·96 | 71 | 34·92 | |
| Murshidabad | 16. Berhampore | 24,397 | 351 | 34·20 | 23 | 2·16 | ... | ... | ... | ... | 126 | 12·24 | 36 | 3·48 | 4 | ·36 | 13 | 1·20 | 151 | 14·64 | 354 | 34·44 | 535 | 52·08 | |
| Patna | 17. Patna City | 123,091 | 85 | 22·56 | 4 | ·96 | ... | ... | ... | ... | 27 | 7·08 | 8 | 2·04 | 2 | ·48 | 3 | ·72 | 22 | 5·76 | 66 | 17·52 | 90 | 23·88 | |
| | 18. Bihar | 45,062 | 74 | 26·28 | ... | ... | ... | ... | ... | ... | 10 | 3·48 | 1 | ·24 | 3 | ·96 | 2 | ·60 | 11 | 3·84 | 27 | 9·60 | 66 | 23·40 | |
| | 19. Dinapore Nizamut | 33,699 | 122 | 37·20 | 9 | 1·44 | 1 | ·12 | ... | ... | 163 | 27·36 | 27 | 4·44 | 7 | 1·08 | 7 | 1·08 | 60 | 10·08 | 274 | 45·96 | 409 | 83·76 | |
| Gaya | 20. Gaya | 71,416 | 66 | 17·04 | ... | ... | ... | ... | ... | ... | 18 | 4·56 | ... | ... | ... | ... | 1 | ·24 | 3 | ·72 | 23 | 5·64 | 98 | 25·44 | |
| Shahabad | 21. Arrah | 40,170 | 29 | 14·64 | ... | ... | ... | ... | ... | ... | 12 | 6·00 | 1 | ·48 | ... | ... | 1 | ·48 | ... | ... | 14 | 7·08 | 78 | 39·48 | |
| | 22. Sasaram | 23,044 | 72 | 44·88 | 1 | ·24 | ... | ... | ... | ... | 67 | 17·40 | 13 | 3·36 | 3 | ·72 | 3 | ·72 | 48 | 12·48 | 135 | 35·28 | 218 | 56·88 | |
| Saran | 23. Chapra | 45,801 | 82 | 39·44 | ... | ... | ... | ... | ... | ... | 9 | 4·32 | ... | ... | ... | ... | ... | ... | 29 | 14·04 | 33 | 18·36 | 78 | 37·80 | |
| Champaran | 24. Bettiah | 24,696 | 117 | 30·72 | 15 | 3·84 | ... | ... | ... | ... | 44 | 11·52 | ... | ... | 6 | 1·56 | 7 | 1·80 | 43 | 11·28 | 115 | 30·24 | 129 | 33·84 | |
| Muzaffarpur | 25. Muzaffarpur | 45,617 | 66 | 36·96 | ... | ... | ... | ... | ... | ... | 6 | 3·36 | ... | ... | ... | ... | ... | ... | 14 | 7·80 | 20 | 11·16 | 75 | 42·00 | |
| | 26. Hajipur | 21,398 | 210 | 3 04 | ... | ... | ... | ... | ... | ... | 58 | 10·44 | 16 | 2·88 | ... | ... | 4 | ·72 | 90 | 16·20 | 168 | 30·36 | 160 | 28·92 | |
| Darbhanga | 27. Darbhanga | 66,244 | 165 | 16·16 | 33 | 10·[illegible]2 | ... | ... | ... | ... | 47 | 15·60 | 13 | 4·32 | ... | ... | 6 | 1·92 | 69 | 23·04 | 168 | 56·16 | 144 | 48·12 | |
| Monghyr | 28. Monghyr | 35,880 | 156 | 24·60 | 3 | ·[illegible]6 | 6 | ·84 | ... | ... | 44 | 6·96 | 12 | 1·80 | ... | ... | 3 | ·36 | 23 | 3·60 | 91 | 14·40 | 165 | 29·28 | |
| Bhagalpur | 29. Bhagalpur | 75,760 | 106 | 24·72 | ... | ... | ... | ... | ... | ... | 26 | 6·00 | 14 | 3·24 | 2 | ·36 | ... | ... | 10 | 2·28 | 52 | 12·12 | 116 | 27·00 | |
| Cuttack | 30. Cuttack | 51,364 | 97 | 15·48 | ... | ... | ... | ... | ... | ... | 1 | ·48 | 4 | 2·28 | ... | ... | ... | ... | 14 | 8·04 | 19 | 10·80 | 30 | 17·16 | |
| Balasore | 31. Balasore | 20,880 | 92 | 22·32 | 1 | ·24 | ... | ... | ... | ... | 27 | 6·48 | 21 | 5·04 | 2 | ·36 | 1 | ·24 | 51 | 12·36 | 103 | 24·96 | 110 | 26·64 | |
| Puri | 32. Puri | 49,334 | 73 | 36·72 | ... | ... | ... | ... | ... | ... | 14 | 6·96 | 5 | 2·40 | ... | ... | 4 | 1·92 | 21 | 10·56 | 44 | 22·08 | 45 | 22·56 | |
| Ranchi | 33. Ranchi | 23,210 | | | | | | | | | | | | | | | | | | | | | | | |
| | Total of all towns with a population of 20,000 and over | 2,222,870 | 5,129 | 27·60 | 146 | ·72 | 10 | ·04 | 32 | ·12 | 1,514 | 8·16 | 437 | 2·28 | 460 | 2·40 | 119 | ·60 | 2,004 | 10·80 | 4,722 | 25·44 | 5,661 | 30·48 | |
| | Average of corresponding month of previous five years | ..... | 4,439 | 23 88 | 716 | 3·84 | 3[illegible] | ·09 | 153 | ·72 | 1,789 | 9 60 | 565 | 3·00 | 364 | 1·92 | 123 | ·60 | 1,931 | 10·32 | 5,661 | 30·48 | ... | ... | |
| | Difference + or — | ..... | +690 | +3 72 | −570 | −3·12 | −10 | −·[illegible] | −121 | −·60 | −275 | −1·44 | −128 | −·72 | +96 | +·48 | −4 | Equal | +73 | +·48 | −939 | −5·04 | ... | ... | |

F. C CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 20th November 1909*

# METEOROLOGICAL REPORT OF THE PROVINCES OF EASTERN BENGAL AND ASSAM AND OF BENGAL FOR THE MONTH OF SEPTEMBER 1909.

| Meteorology Division | Division | District | Representative Stations | Air Pressure: Highest, 8 a.m., barometer reading | Air Pressure: Lowest, 8 a.m., barometer reading | Air Pressure: Mean, 8 a.m., reduced to 32° | Air Pressure: Mean reduced to sea-level and constant gravity, Lat. 45° | Air Pressure: Departure from normal mean | Wind: Mean direction at 8 a.m. | Wind: Mean velocity in miles daily | Temperature: Highest of month | Temperature: Lowest of month | Temperature: Mean daily maximum temperature | Temperature: Mean daily minimum temperature | Temperature: Mean daily temperature | Temperature: Departure from normal mean | Humidity: Mean, 8 a.m. | Humidity: Departure from normal mean | Cloud: Mean cloud amount, 8 a.m. | Cloud: Departure from normal mean, 8 a.m. | Rainfall |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Assam | Assam | Dibrugarh | Dibrugarh | 29·540 | 29·258 | 29·410 | 29·722 | — | S47°W | 29 | 95·9 | 74·1 | 88·3 | 76·4 | 82·4 | — | 92 | — | 7·1 | — | 6·83 |
| | | Sibsagar | Sibsagar | 29·608 | 29·292 | 29·453a | 29·743a | −·027 | S45°E | 55 | 93·6 | 68·6 | 88·5 | 75·7h | 81·2h | +0·5 | 90 | −5 | 7·1 | −1·6 | 7·80 |
| | | Tezpur | Tezpur | 29·656 | 29·332 | 29·518a | 29·729a | — | N45°W | 36 | 97·6 | 71·9 | 91·3 | 77·4 | 84·4 | — | 90 | — | 6·3 | — | 5·19 |
| | | Kamrup | Gauhati | 29·739 | 29·381 | 29·575 | 29·725 | — | S25°E | 50 | 97·8 | 73·1 | 92·2 | 77·1 | 84·7 | — | 86 | — | 6·2 | — | 4·15 |
| | | Goalpara | Dhubri | 29·792 | 29·563 | 29·686g | 29·757g | +·055 | E | 86 | 70·5 | 76·8 | 87·0 | 79·3 | 83·2 | +2·1 | 89 | −3 | 2·3 | −5·2 | 9·75 |
| | | Cachar | Silchar | 29·849 | 29·434 | 29·687 | 29·714 | −·016 | S19°W | 36 | 97·3 | 73·3 | 90·4 | 76·9 | 83·6 | +0·6 | 90 | −1 | 4·7 | −4·0 | 11·97 |
| | | Khasia and Jaintia Hills | Shillong | 25·181 | 24·940 | 25·074a | 25·026a | — | S16°W | 50 | 78·9 | 50·7 | 75·2 | 61·4 | 68·3 | — | 80 | — | 5·5 | — | 6·96 |
| | | | Cherra Punji | 25·755 | 25·460 | 25·613 | 25·564 | — | S16°W | 108 | 79·7 | 63·3 | 75·1 | 65·2 | 70·2 | — | 88 | — | 6·9 | — | 16·46 |
| Eastern Bengal, North | Rajshahi | Rajshahi | Rampur Boalia | 29·834 | 29·476 | 29·678 | 29·698 | −·007 | S45°W | 85 | 94·1 | 74·1 | 89·5 | 79·6 | 84·6 | +1·8 | 84 | −4 | 4·7 | — | 5·74 |
| | | Malda | Malda | 29·807 | 29·461 | 29·652 | 29·675 | −·027 | S41°E | 120 | 94·3 | 73·5 | 89·4 | 78·7 | 84·0 | +0·3 | 88 | 0 | 3·0 | — | 4·26 |
| | | Dinajpur | Dinajpur | 29·752 | 29·420 | 29·602 | 29·681 | −·039 | S66°E | 55 | 94·3 | 73·5 | 90·5 | 78·1 | 84·4 | +1·5 | 89 | −1 | 4·8 | −2·0 | 7·27 |
| | | Jalpaiguri | Jalpaiguri | 29·609 | 29·268 | 29·464 | 29·705 | −·030 | N62°E | 23 | 96·4 | 72·9 | 90·5 | 77·0 | 83·8 | +2·5 | 90a | −1 | 7·3 | +0·3 | 13·76 |
| | | Cooch Behar | Cooch Behar | 29·754 | 29·410 | 29·594 | 29·706 | — | S58°E | 37 | 94·8 | 73·6 | 89·5 | 77·6 | 83·6 | — | 88 | −3 | 6·8 | — | 15·87 |
| | | Rangpur | Rangpur | 29·780 | 29·435 | 29·632 | 29·711 | −·019 | S27°E | 41 | 95·1 | 72·0 | 90·2 | 75·8 | 83·0 | +0·4 | 84 | −7 | 2·9 | — | 11·04 |
| | | Bogra | Bogra | 29·832 | 29·470 | 29·685 | 29·712 | −·015 | S34°E | 34 | 94·2 | 72·7 | 90·2 | 78·3 | 84·3 | +1·3 | 80a | −9 | 1·7 | −5·3 | 11·00 |
| | | Pabna | Sirajganj | 29·866 | 29·475 | 29·708 | 29·707 | −·007 | S9°E | 70 | 92·4 | 73·8 | 88·4 | 78·7 | 83·6 | +0·8 | 88 | −3 | 6·6 | — | 6·25 |
| Eastern Bengal, South | Dacca | Dacca | Narayanganj | 29·882 | 29·486 | 29·729 | 29·703 | −·022 | S9°W | 74 | 94·0 | 75·3 | [illegible] | 79·1 | 84·4 | +0·7 | 85 | −3 | 7·0 | −0·8 | 8·25 |
| | | Mymensingh | Mymensingh | 29·859 | 29·471 | 29·703 | 29·717 | −·020 | S42°E | 38 | 94·1 | [illegible] | 90·2 | 78·8 | 84·5 | +2·2 | 86 | −5 | 7·1 | 0 | 3·72 |
| | | Faridpur | Faridpur | 29·863 | 29·481 | 29·708 | 29·704 | −·026 | S20°E | 49 | 92·3 | 75·4 | 88·4 | 78·6 | 83·5 | +0·9 | 87 | −3 | 5·3 | — | 3·92 |
| | | Backergunge | Barisal | 29·889 | 29·501 | 29·708 | 29·696 | −·030 | S2°W | 26 | 92·3 | 74·6 | 87·8 | 77·8 | 82·8 | −0·6 | 88 | 0 | 6·0 | −1·2 | 7·09 |
| | Chittagong | Tippera | Comilla | 29·901 | 29·472 | 29·728 | 29·712 | −·027 | S61°E | 72 | 93·8 | ? | 89·4 | ? | ? | ? | [illegible] | [illegible] | [illegible] | — | 5·02 |
| | | Noakhali | Noakhali | 29·893 | 29·471 | 29·724 | 29·714 | −·021 | S20°E | 93 | 90·8 | [illegible] | 86·9 | 78·1 | 82·5 | +0·9 | 87 | −3 | 4·8 | — | 11·32 |
| | | Chittagong | Chittagong | 29·852 | 29·433 | 29·683 | 29·717 | −·032 | S49°E | 77 | 91·0 | 74·0 | 87·8 | 76·4 | 82·1 | +0·6 | 87 | −1 | 6·8 | −0·5 | 9·52 |
| | | | Cox's Bazar | 29·702 | 29·493 | 29·735 | 29·716 | — | S74°E | 85 | — | — | — | — | — | — | — | — | 4·9 | — | 7·37 |
| Bengal | Burdwan | Burdwan | Burdwan | 29·783 | 29·452 | 29·635 | 29·682 | −·027 | S10°W | 50 | 95·4 | 74·3 | 89·8 | 78·9 | 84·4 | +0·1 | 88 | +3 | 7·5 | +0·5 | 9·89 |
| | | | Raniganj | 29·546 | 29·241 | 29·390a | 29·686 | −·022 | S84°W | 34 | 95·5 | 74·0 | 89·7 | 77·5 | 83·6 | +0·4 | 92 | +3 | 7·5 | — | 11·27 |
| | | Bankura | Bankura | 29·545 | 29·200 | 29·404 | 29·667 | −·022 | S45°E | 79 | 96·6 | 74·7 | 89·9 | 77·4 | 83·6 | +0·5 | 84 | 0 | 6·3 | — | 10·11 |
| | | Midnapore | Midnapore | 29·715 | 29·358 | 29·577 | 29·673 | −·030 | S2°E | 62 | 94·8 | 74·7 | 89·6 | 77·6 | 83·6 | +0·4 | 86 | +1 | 5·8 | — | 11·17 |
| | Presidency | Sandheads | Sandheads | 29·858 | 29·520 | 29·752 | 29·679 | — | S51°W | 360d | — | — | — | — | — | — | 91 | — | 6·1 | — | 7·73 |
| | | 24-Parganas | Saugor Island | 29·821 | 29·426 | 29·638 | 29·668 | −·024 | S33°W | 269 | 91·0 | 75·0 | 88·4 | 79·3 | 83·9 | −0·1 | 87 | −1 | 7·1 | −1·1 | 11·39 |
| | | Calcutta | Calcutta | 29·852 | 29·502 | 29·712 | 29·679 | −·022 | S11°W | 96 | 93·7 | 75·5 | 88·9 | 78·2 | 83·6 | +0·8 | 87 | 0 | 6·6 | −0·1 | 9·29 |
| | | Nadia | Krishnagar | 29·814 | 29·475 | 29·683 | 29·678 | −·029 | S27°E | 42 | 94·1 | 75·0 | 90·4 | 79·4 | 84·9 | +1·8 | 90 | +3 | 4·7 | — | 7·07 |
| | | Murshidabad | Berhampore | 29·818 | 29·484 | 29·656 | 29·684a | −·025 | S40°E | 67 | 93·6 | 73·2 | 89·2 | 79·0 | 84·1 | +0·4 | 88 | −2 | 7·6 | +0·2 | 12·78 |
| | | Jessore | Jessore | 29·854 | 29·493 | 29·709 | 29·689 | −·024 | S37°E | 7 | 93·5 | 74·2 | 88·8a | 78·4 | 83·6a | −0·4 | 86 | −4 | 6·4 | −0·7 | 5·89 |
| | Patna | Patna | Bankipore | 29·686 | 29·409 | 29·535 | 29·672 | −·028 | S81°E | 101 | 92·5 | 75·7 | 89·3 | 79·4 | 84·4 | −0·2 | 82 | −1 | 5·4 | −0·7 | 6·78 |
| | | Gaya | Gaya | 29·447 | 29·226 | 29·342 | 29·667 | −·022 | S84°W | 65 | 95·4 | 75·2 | 90·1 | 78·7 | 84·4 | 0 | 81 | −1 | 5·3 | −0·5 | 9·24 |
| | | Shahabad | Buxar | 29·485 | 29·254 | 29·359 | 29·663 | −·024 | S54°W | 56 | 95·3 | 75·0 | 89·9 | 78·8 | 84·4 | +1·3 | 81 | 0 | 6·3 | — | 4·66 |
| | | | Arrah | 29·608 | 29·304 | 29·476 | 29·671 | −·019 | S72°W | 103 | 94·5 | 75·1 | 90·6 | 78·5 | 84·6 | +1·4 | 85 | +2 | 5·3 | — | 4·94 |
| | | Saran | Chapra | 29·674 | 29·415 | 29·535 | 29·677 | −·008 | S45°W | 44 | 93·9 | 75·7 | 90·0 | 78·8 | 84·4 | +0·6 | 81 | −3 | 5·7 | — | 7·63 |
| | | Champaran | Motihari | 29·724 | 29·410 | 29·535 | 29·671 | −·021 | ? | ? | 94·2 | 73·9 | 90·0 | 78·1 | 84·0 | +0·3 | 85 | 0 | 4·7 | — | 6·19 |
| Bihar | | Muzaffarpur | Muzaffarpur | 29·655 | 29·350 | 29·500 | 29·682 | −·025 | N61°E | 33 | 94·6 | 74·3 | 90·7 | 78·3 | 84·5 | +1·4 | 87 | 0 | 3·6 | — | 1·89 |
| | | Darbhanga | Darbhanga | 29·705 | 29·393 | 29·550 | 29·683 | −·014 | S59°E | 74 | 94·2 | 73·5 | 90·3 | 78·3 | 84·3 | — | 84 | −3 | 3·4 | — | 4·44 |
| | Bhagalpur | Monghyr | Monghyr | 29·713 | 29·390 | 29·555 | 29·676 | −·031 | N77°E | 60 | 95·6 | 74·3 | 90·6 | 79·1 | 84·8 | +1·3 | 84 | −2 | 5·5 | +0·4 | 4·05 |
| | | Bhagalpur | Bhagalpur | 29·716 | 29·424 | 29·564 | 29·670 | — | N88°E | 125 | 93·9 | 72·9 | 89·8 | 78·4 | 84·1 | — | 83 | — | 5·7 | — | 9·27 |
| | | Purnea | Purnea | 29·747 | 29·422 | 29·574 | 29·683 | −·003 | S6°E | 56 | 94·7 | 75·3 | 90·3 | 78·1 | 84·2 | +1·1 | 83 | −2 | 5·5 | — | 8·63 |
| | | Sonthal Parganas | Naya Dumka | 29·758 | 29·445 | 29·608 | 29·686 | −·015 | S58°E | 26 | 95·5 | 73·2 | 90·0 | 77·7 | 83·9 | +0·7 | 89 | −1 | 5·5 | −0·5 | 8·42 |
| | | | Darjeeling | 29·382 | 29·080 | 29·236 | 29·681 | −·018 | S63°E | 23 | 93·4 | 73·0 | 89·2 | 77·2 | 83·2 | +1·0 | 83 | −4 | 5·7 | — | 9·29 |
| Chota Nagpur | Chota Nagpur | Hazaribagh | Darjeeling | 23·111 | 22·301 | 22·991c | 22·946c | −·038 | N11°W | 67a | 72·3 | 51·7 | 60·8b | 56·6b | 61·7c | +1·9 | 95b | +1 | 8·2a | −0·3 | 13·39 |
| | | Ranchi | Hazaribagh | 27·851 | 27·609 | 27·735 | 29·693 | −·012 | S86°W | 149 | 89·7 | 70·3 | 83·7 | 72·9 | 78·3 | −0·2 | 84 | 0 | 6·3 | −0·4 | 11·81 |
| | | Singhbhum | Ranchi | 27·736 | 27·485 | 27·627 | 29·707 | −·002 | N89°W | 163 | 89·2 | 69·9 | 83·2 | 72·2 | 77·7 | −0·4 | 87 | +4 | 7·3 | +1·6 | 10·69 |
| | | Palamau | Chaibassa | 29·491 | 28·794 | 28·988 | 29·675 | −·016 | S51°W | 62 | 90·6 | 72·8 | 88·3 | 75·9 | 82·1 | −0·9 | 88 | +3 | 7·0 | +1·8 | 16·24 |
| | | Manbhum | Daltonganj | 29·105 | 28·912 | 29·007 | 29·695 | — | N72°E | 60 | 94·1 | 73·5 | 88·7 | 76·2 | 82·5 | — | 86 | 0 | 5·7 | — | 5·90 |
| | | | Purulia | 29·041 | 28·755 | 28·906 | 29·674 | — | S63°W | 65 | 96·0 | 72·6 | 89·1 | 75·4 | 82·3 | — | 97e | +14 | 6·6 | — | 17·80 |
| Orissa | Orissa | Sambalpur | Sambalpur | 29·345 | 29·104 | 29·236 | 29·691 | −·018 | S37°W | 108 | 93·1 | 72·6 | 87·5 | 77·1 | 82·4 | −1·0 | 83 | +1 | 7·8 | +1·8 | 8·56 |
| | | Angul | Angul | 29·364 | 29·101 | 29·279 | 29·694 | — | N45°W | 155 | 93·6 | 70·5 | 88·1 | 76·0 | 82·1 | — | 87 | — | 4·7 | — | 3·00 |
| | | Cuttack | Cuttack | 29·752 | 29·467 | 29·656 | 29·679 | −·005 | S27°W | 53 | 94·4 | 74·7 | 89·3 | 77·4 | 83·4 | −0·8 | 84 | +2 | 6·8 | +0·8 | 11·69 |
| | | | False Point | 29·832 | 29·516 | 29·730a | 29·692a | +·004 | S80°W | 168 | 91·1 | 72·6 | 86·5 | 77·1 | 81·8 | −1·2 | 87 | +2 | 7·8 | +0·7 | 11·44 |
| | | Balasore | Balasore | 29·804 | 29·422 | 29·681 | 29·676 | −·015 | S56°W | 48 | 93·9 | 74·1 | 88·3 | 77·6 | 83·0 | −0·4 | 87 | −1 | 5·9 | −1·1 | 10·12 |
| | | Puri | Puri | 29·820 | 29·541 | 29·723 | 29·686 | −·006 | N74°W | 234 | 94·6 | 74·1 | 88·9 | 78·6 | 83·8 | — | 84 | −1 | 5·1 | — | 14·97 |
| | | Ganjam | Gopalpur | 29·764 | 29·498 | 29·669 | 29·682 | −·011 | N30°W | 199 | 92·7 | 76·0 | 88·2 | 78·5 | 83·4 | +0·1 | 85 | 0 | 4·3 | — | 5·18 |
| | | | Calingapatam | 29·823 | 29·587 | 29·731 | 29·690 | — | N57°W | 142 | — | — | — | — | — | — | — | — | 6·2 | — | 5·33 |

(a) Mean of 29 days.
(b) " " 28 "
(c) Mean of 27 days.
(d) " " 24 "
(e) Mean of 21 days.
(f) " " 20 "
(g) Mean of 11 days.
(h) " " 7 "

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF SEPTEMBER 1909.

DURING the early part of the first week of September fairly general rain fell in the two Provinces. The existence of a depression off the Coramandal Coast caused a modification in the distribution, in consequence of which practically no rain was received by Bengal and the Western Divisions between the 5th and the 10th. A depression which entered Bengal from the south on the 14th caused moderate precipitation in that Province and in Eastern Bengal and Assam during the succeeding three days. By the 17th rainfall had again practically ceased. At the beginning of the third week another depression entered Bengal from the Bay and gave general rain in the two Provinces. Until the last three days of the month when it again became nearly general owing to the passage of a shallow depression into Chota Nagpur, rainfall was somewhat scattered and small in amount.

Pressure on the whole was in defect during the month.

Mean temperature was in slight excess except in Orissa while humidity was a little below normal except in the western portion of Bengal, and in Orissa and Chota Nagpur.

Rainfall was practically normal in Bengal and Orissa but was below the average in Assam, Eastern Bengal and Bihar.

Cloud was in defect toward the east.

*Summary of temperature.*—The highest temperature recorded was 96·6 at Bankura and Chaibassa and the lowest 69·9 was recorded at Ranchi.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of September 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | Average for month. | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... ... | 97·8 | 68·6 | 89·6 | 77·1 | 83·3 | + 1·1 |
| Eastern Bengal, North ... .. | 96·4 | 72·0 | 89·8 | 78·0 | 83·9 | + 1·2 |
| Eastern Bengal, South ... ... | 94·1 | 74·0 | 88·6 | 78·1 | 83·3 | + 0·8 |
| Bengal ... . ... | 96·6 | 73·2 | 89·4 | 78·4 | 83·9 | + 0·4 |
| Bihar ... ... ... | 95·6 | 72·9 | 90·1 | 78·4 | 84·2 | + 0·8 |
| Chota Nagpur* ... ... ... | 96·6 | 69·9 | 86·0 | 74·3 | 80·2 | — 0·5 |
| Orissa ... ... ... | 94·6 | 70·5 | 88·1 | 77·5 | 82·8 | — 0·7 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the Province has been placed in the hands of the Director of Agriculture, Bengal, and the usual data regarding the actual and normal rainfall during the month are published by that officer. A short table, however, is attached to this report, giving the rainfall recorded during the month at the head-quarters of the various districts of the Province:—

*Actual and average rainfall and departure from normal for September 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 5·74 | 10·40 | — 4·66 |
| | Malda ... ... ... | Malda ... ... ... | 4·26 | 10·86 | — 6·60 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 7·27 | 13·31 | — 6·04 |
| | Jalpaiguri ... ... | Jalpaiguri ... ... | 13·76 | 22·65 | — 8·89 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 15·87 | 21·82 | — 5·95 |
| | Rangpur ... ... ... | Rangpur ... ... ... | 11·04 | 14·18 | — 3·14 |
| | Bogra ... ... ... | Bogra ... ... ... | 11·00 | 11·65 | — 0·65 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 6·25 | 9·08 | — 2·83 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 8·28 | 8·99 | — 0·71 |
| | Mymensingh ... ... | Mymensingh ... .. | 3·72 | 13·62 | — 9·90 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 3·92 | 9·07 | — 5·15 |
| | Backergunge ... ... | Barisal ... ... ... | 7·09 | 11·33 | — 4·24 |
| | Tippera ... ... ... | Comilla ... ... ... | 5·02 | 11·11 | — 6·09 |
| | Noakhali ... ... ... | Noakhali .. ... ... | 11·32 | 15·51 | — 4·19 |
| | Chittagong ... ... | Chittagong ... ... | 9·52 | 13·03 | — 3·51 |
| | | Cox's Bazar ... ... | 7·37 | 14·40 | — 7·03 |
| Bengal .. | Burdwan .. ... | Burdwan ... ... ... | 9·89 | 8·59 | + 1·30 |
| | | Raniganj ... ... ... | 11·27 | 7·60 | + 3·67 |
| | Bankura ... ... ... | Bankura ... ... ... | 10·11 | 8·75 | + 1·36 |
| | Midnapore ... ... | Midnapore ... ... | 11·17 | 8·72 | + 2·45 |
| | 24-Parganas ... ... | Saugor Island ... ... | 11·39 | 12·10 | — 0·71 |
| | Calcutta ... ... ... | Calcutta ... ... ... | 9·29 | 10·40 | — 1·11 |
| | Nadia ... ... ... | Krishnagar ... ... | 7·07 | 7·97 | — 0·90 |
| | Murshidabad .. ... | Berhampore ... ... | 12·78 | 9·79 | + 2·99 |
| | Jessore ... .. ... | Jessore ... ... ... | 5·89 | 7·44 | — 1·55 |
| Bihar ... | Patna ... .. ... | Bankipore ... ... ... | 6·78 | 7·82 | — 1·04 |
| | Gaya ... ... ... | Gaya ... ... ... | 9·24 | 6·87 | + 2·37 |
| | Shahabad ... ... | Dehri ... ... ... | 4·66 | 6·46 | — 1·80 |
| | | Buxar ... ... .. | 4·94 | 6·98 | — 2·04 |
| | | Arrah ... ... ... | 7·63 | 8·23 | — [illegible] |
| | Saran ... ... ... | Chapra ... ... ... | 6·19 | 7·22 | — 1·03 |
| | Champaran ... ... | Motihari ... ... ... | 1·89 | 9·46 | — 7·57 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 4·44 | 8·17 | — 3·73 |
| | Darbhanga ... ... | Darbhanga ... ... | 4·05 | 9·33 | — 5·28 |
| | Monghyr ... ... ... | Monghyr ... ... | 9·27 | 8·71 | + 0·56 |
| | Bhagalpur ... .. | Bhagalpur ... ... | 8·63 | 8·48 | + 0·15 |
| | Purnea ... ... ... | Purnea ... ... ... | 8·42 | 14·34 | — 5·92 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 9·29 | 10·01 | — 0·72 |
| | Darjeeling ... ... | Darjeeling ... ... | 13·39 | 18·34 | — 4·95 |
| Chota Nagpur .. | Hazaribagh ... ... | Hazaribagh ... ... | 11·81 | 8·26 | + 3·55 |
| | Ranchi ... ... ... | Ranchi ... ... ... | 10·69 | 8·62 | + 2·07 |
| | Singhbhum ... ... | Chaibassa ... ... | 16·24 | 8·30 | + 7·94 |
| | Palamau ... ... ... | Daltonganj ... ... | 5·90 | 7·54 | — 1·64 |
| | Manbhum ... ... | Purulia ... ... ... | 17·80 | 8·14 | + 9·66 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 8·56 | 8·86 | — 0·30 |
| | Angul ... ... ... | Angul ... ... .. | 3·00 | 8·57 | — 5·57 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 11·69 | 10·48 | + 1·21 |
| | | False Point ... ... | 11·44 | 11·17 | + 0·27 |
| | Balasore ... ... ... | Balasore ... ... ... | 10·12 | 12·95 | — 2·83 |
| | Puri ... ... ... | Puri ... ... ... | 14·97 | 9·91 | — 5·06 |

METEOROLOGICAL OFFICE, BENGAL,
*The 23rd November 1909.*

E. P. HARRISON,
*Offg. Meteorologist, Calcutta.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 14th to 20th November 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | ° | | | Inches. | |
| Nov. | 14th | 135·0 | No instrument. | 29·887 | 77·6 | 83·9 | 11·5 | 72·4 | 72·8 | 0·766 | 71·2 | 83 | NE and N ... | 87 | Nil | Cloudy o, g, p. |
| ,, | 15th | 135·0 | | 859 | 76·7 | 82·8 | 11·1 | 71·7 | 72·6 | ·766 | 71·2 | 85 | NNE and E ... | 110 | 0·20 | Partialy cloudy, ⌓. |
| ,, | 16th | 135·2 | | ·913 | 75·2 | 82·7 | 13·9 | 68·8 | 70·7 | ·702 | 68·7 | 82 | E, NNE and NE by N. | 83 | Nil | Partially cloudy, ⌓. |
| ,, | 17th | 140·3 | | ·913 | 76·4 | 85·1 | 16·3 | 68·8 | 71·0 | ·690 | 68·2 | 76 | NE by N and NNW. | 117 | Nil | Chiefly clear, ⌓. |
| ,, | 18th | 133·9 | | 924 | 73·3 | 83·7 | 19·7 | 64·0 | 66·1 | ·542 | 61·2 | 67 | NNE, N and N by E. | 92 | Nil | Clear, ⌓. |
| ,, | 19th | 132·5 | | ·892 | 72·6 | 84·4 | 22·4 | 62·0 | 64·7 | ·507 | 59·3 | 65 | N by E and N by W. | 70 | Nil | Clear, ⌓. |
| ,, | 20th | 126·7 | | ·884 | 72·2 | 83·7 | 21·8 | 61·9 | 65·8 | ·559 | 62·1 | 70 | N by W and calm | 34 | Nil | Partially cloudy, ⌓. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·896 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·983 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | ? |
| The maximum possible number of hours of sunshine ... ... ... | 76·9 |
| | ° |
| The mean temperature of the seven days ... ... ... ... | 74·9 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 74·7 |
| The extreme variation of temperature ... ... ... ... | 23·2 |
| The maximum temperature .. ... ... ... ... | 85·[illegible] |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 12 |
| | % |
| The mean relative humidity ... ... ... ... ... | 76 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| The total fall of rain from 14th to 20th November 1909 ... ... ... | 0·20 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·03 |
| The total fall from 1st January to 20th November 1909 ... ... | 71·57 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 65·14 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

O, overcast; g, dark gloomy weather; p, passing temporary showers; ⌓, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 20th November 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## ASSAM-BENGAL RAILWAY

*Approximate Return of Traffic for the week ended 6th November 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 74,500 | 47,000 0 0 | 325,000 0 | 52,500 0 0 | 7,000 0 0 | 1,06,500 0 0 | 14,046 | 17,125 | 31,171 |
| Or per mile of railway | 97·01 | 61·20 | 421·53 | 68 09 | 9 08 | 138·37 | 18·29 | 22·21 | 40·50 |
| For previous 18 weeks of half-year | 948,147 | 5,82,078 0 0 | 5,764,220 0 | 9,42,805 0 0 | 94,412 0 0 | 16,19,295 0 0 | 243,029 | 367,331 | 610,360 |
| Total for 19 weeks | 1,022,647 | 6,29,078 0 0 | 6,089,220 0 | 9,95,305 0 0 | 101,412 0 0 | 17,25,795 0 0 | 257,075 | 384,456 | 641,531 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year | 77,279 | 45,015 0 0 | 405,298 0 | 69,301 0 0 | 8,175 0 0 | 1,13,491 0 0 | 13,730 | 20,749 | 34,479 |
| Per mile of railway corresponding week of previous year | 100·62 | 58·61 | 525·68 | 78·21 | 10·60 | 147·42 | 17 88 | 26·91 | 44 79 |
| Total to corresponding date of previous year | 692,923 | 5,31,544 0 0 | 5,931,019 0 | 9,39,599 0 0 | 1,03,906 0 0 | 16,35,049 0 0 | 277,536 | 379,088 | 657,284 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 6th November 1909. | | | Receipts for week ending 7th November 1908. | | | Total receipts from 1st April 1909 to 6th November 1909. | | | Total receipts from 1st April 1908 to 7th November 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | [illegible]700 | 138·37 | 771 | 1,13,491 | 147·42 | 771 | 28,69,700 | ... | 771 | 27,37,068 | ... | 1,32,632 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 6th November 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated) including steam-boat | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts | Weight carried | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open | 300,080 | 1,14,980 (a) | 858,790 | 1,05,210 (a) | 17,580 | 2,37,770 | 59,300 | 29,189 (b) | 88,489 |
| Or per mile of railway | 160·72 | 61·58 | 459 98 | 56·35 | 9·42 | 127·35 | ..... | ..... | ..... |
| For previous 17½ weeks of half-year (c) | 5,334,030 | 15,32,350 | 13,540,937 | 15,36,098 | 3,14,997 | 37,83,445 | 996,225 | 617,371 | 1,613,596 |
| Total for 18½ weeks | 5,634,110 | 20,47,330 | 14,399,727 | 16,41,308 | 3,32,577 | 40,21,215 | 1,055,525 | 646,560 | 1,702,085 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open | 447,169 | 2,04,942 | 1,026,586 | 1,61,214 | 26,145 | 3,92,301 | 61,113 | 44,789 (d) | 105,902 |
| Per mile of corresponding week of previous year | 249 68 | 114 43 | 573·19 | 90·01 | 14·60 | 219·04 | .. . | ..... | ..... |
| Total to corresponding date of previous year | 5,779,180 | 22,57 232 | 10,152,626 | 19,37,060 | 4,01,658 | 45,95,950 | 1,114,856 | 724,915 | 1,839,771 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week | | 1 94 | | 3·00 | ·20 | 2·69 | | | |
| Ditto for corresponding week of previous year | | 3 35 | | 3·60 | ·25 | 3 70 | | | |

(a) Decrease due to Sonepore mela held earlier last year.
(b) Includes 4,090 miles of ballast trains.
(c) Includes audited figures up to August 1909.
(d) Includes 4,141 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 6th November 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 482,260 | 1,57,620 0 0 | 1,978,780 0 | 3,76,970 0 0 (f) | 36,480 0 0 | 6,11,070 0 0 (h) | 77,875 | (d)62,624 | 140,499 |
| Or per mile of railway per week | (a)359 | (a)147 0 0 | 1,322 0 | 252 0 0 | (c)9 0 0 | (c)393 0 0 | ... | ... | ... |
| For previous 18 weeks of half-year (e) ... ... ... ... | 7,813,403 | 30,11,611 0 0 | 38,823,671 0 | 63,69,981 0 0 | 5,97,535 0 0 | 99,79,127 0 0 | 1,342,529 | 1,056,017 | 2,398,546 |
| Total for 19 weeks ... | 8,295,663 | 32,09,231 0 0 | 40,802,451 0 | 67,46,951 0 0 | 6,34,015 0 0 | 1,05,90,197 0 0 | 1,420,404 | 1,118,641 | 2,539,045 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | (g)717,676 | (g)2,63,871 0 0 | 2,036,647 0 | 4,20,440 0 0 | 33,822 0 0 | 7,18,143 0 0 | 77,507 | 54,251 | 131,758 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... .. ... | (b)584 | (b)215 0 0 | 1,599 0 | 330 0 0 | 1 0 0 | 538 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 8,920,516 | 33,93,184 0 0 | 41,019,330 0 | 63,97,906 0 0 | 6,28,281 0 0 | 1,04,19,371 0 0 | 1,394,042 | 1,046,678 | 2,440,720 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 23,400.
(d) Includes ballast train-miles Rs. 9,044.
(e) Audited up to August 1909.
(f) Includes adjustments for ballast trains, Loco. coal, Revenue stores, etc.
(g) Includes abnormal traffic owing to Rash Jatra pilgrim traffic.
(h) Decrease is chiefly due to Rash Jatra pilgrim traffic and also in jute traffic in the previous year.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 6th November 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 40,380 | 13,040 0 0 | 114,360 0 | (c)10,180 0 0 | 540 0 0 | 23,760 0 0 | 5,792 | (a)2,632 | 8,424 |
| Or per mile of railway per week | 470 | 152 0 0 | 1,330 0 | 118 0 0 | 6 0 0 | 276 0 0 | ... | ... | ... |
| For previous 18 weeks of half-year (b) ... ... ... ... | 754,340 | 2,08,687 0 0 | 1,648,589 0 | 1,09,750 0 0 | 3,656 0 0 | 3,22,093 0 0 | 95,676 | 33,950 | 129,626 |
| Total for 19 weeks ... | 794,720 | 2,21,727 0 0 | 1,762,949 0 | 1,19,930 0 0 | 4,196 0 0 | 3,45,853 0 0 | 101,468 | 36,582 | 138,250 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 66,956 | (d)18,463 0 0 | 116,332 0 | 11,050 0 0 | 83 0 0 | 29,596 0 0 | 5,656 | 2,566 | 8,222 |
| Per mile of railway corresponding week of previous year ... | 779 | 215 0 0 | 1,353 0 | 128 0 0 | 1 0 0 | 344 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 892,558 | 2,47,074 0 0 | 1,707,541 0 | 1,27,044 0 0 | 4,775 0 0 | 3,78,893 0 0 | [illegible] | [illegible] | 137,907 |

(a) Includes ballast trains miles 150.
(b) Audited up to August 1909.
(c) Includes adjustments for ballast trains, Revenue stores, &c.
(d) Includes abnormal earnings for Rash Jatra pilgrim traffic.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 6th November 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 3,790 | 1,340 0 0 | 20,940 0 | (c)1,590 0 0 | 10 0 0 | 2,940 0 0 | 420 | (a)2,097 | 2,517 |
| Or per mile of railway per week | 113 | 40 0 0 | 623 0 | 47 0 0 | ..... | 87 0 0 | ... | ... | ... |
| For previous 18 weeks of half-year (b) ... ... ... ... | 66,433 | 23,398 0 0 | 343,140 0 | 30,060 0 0 | 261 0 0 | 53,719 0 0 | 8,955 | 35,543 | 44,498 |
| Total for 19 weeks ... | 70,223 | 24,738 0 0 | 364,080 0 | 31,650 0 0 | 271 0 0 | 56,659 0 0 | 9,375 | 37,640 | 47,015 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 5,041 | (d)2,258 0 0 | 24,215 0 | 2,084 0 0 | 18 0 0 | 4,300 0 0 | 420 | 972 | 1,392 |
| Per mile of railway corresponding week of previous year ... | 150 | 67 0 0 | 721 0 | 62 0 0 | 1 0 0 | 130 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... ... | 75,699 | 27,951 0 0 | 421,160 0 | 36,184 0 0 | 229 0 0 | 64,364 0 0 | 8,678 | 32,403 | 41,076 |

(a) Includes ballast train miles 985.
(b) Audited up to August 1909.
(c) Includes adjustments for ballast trains, revenue stores, &c.
(d) " abnormal earnings for Rash Jatra pilgrim traffic.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 6th November 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 13,110 | 4,060 0 0 | 37,020 0 | 2,430 0 0 | [illegible] 0 0 | 6,520 0 0 | 1,540 | (a) 737 | 2,277 |
| Or per mile of railway per week | 243 | 75 0 0 | 686 0 | 45 0 0 | 1 0 0 | 121 0 0 | . | ... | — |
| For previous 18 weeks of half-year (b) ... ... ... ... | 201,968 | 59,681 0 0 | 1,113,611 0 | 56,657 0 0 | 485 0 0 | 1,16,823 0 0 | 30,250 | 11,606 | 41,856 |
| Total for 19 weeks ... | 215,078 | 63,741 0 0 | 1,150,631 0 | 59,087 0 0 | 515 0 0 | 1,23,343 0 0 | 31,790 | 12,343 | 44,133 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year .. .. | 18,090 | 5,203 0 0 | 59,955 0 | 3,454 0 0 | 34 0 0 | 8,601 0 0 | 1,952 | 1,030 | 2,982 |
| Per mile of railway per week for corresponding week of previous year ... .. ... ... .. | 335 | 96 0 0 | 1,110 0 | 64 0 0 | 1 0 0 | 161 0 0 | .. | — | ... |
| Total to corresponding week of previous year ... .. ... | 257,711 | 76,928 0 0 | 1,105,970 0 | 61 118 0 0 | 657 0 0 | 1,38,703 0 0 | 36,834 | 14,109 | 50,943 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to August 1909.

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 24th November 1909.

REGISTERED No. C 209.]

No. 48 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, DECEMBER 1, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Embankment and Drainage Reports for the year 1908-1909 ... .. ... ... .. | 1777—1780 |
| Resolution on the Report of the Board of Revenue on the Land Revenue Administration of the Lower Provinces for the year 1908-1909 ... ... | 1781—1824 |
| Resolution on the Administration Report of the Howrah Bridge for the year 1908-09 ... . ... | 1825 |
| Weather and Crop Report for the week ending the 20th November 1909 .. . ... .. | 1826—1830 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the weeks ending the 20th and 27th November 1909 ... ... .. .. ... | 1831 |
| Area leased for Irrigation up to end of October 1909 .. .. ... ... .. .. ... | 1832—1833 |
| Abstract statement showing Tolls on Canals in Bengal classed as Major and Minor Works for the month of October 1909 ... .. ... | 1834—1835 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 21st to 27th November 1909 ... . ... ... ... .. ... | 1836 |
| Railway Returns .. . . ... | 1837—1848 |

## RESOLUTION ON THE EMBANKMENT AND DRAINAGE REPORTS FOR THE YEAR 1908-09.

No. 3836*I*.

### Government of Bengal.

IRRIGATION DEPARTMENT.

IRRIGATION.

*Dated Calcutta, the 29th November 1909.*

### RESOLUTION.

READ—

The Embankment and Drainage Reports for the year 1908-09.

The expenditure incurred on works and repairs (exclusive of book charges for establishment and tools and plant) during the year on embankments and drainage works in Bengal amounted to Rs. 10,55,725 as compared with Rs. 9,43,812 in the preceding year. There was an increase of expenditure on embankments and a decrease under drainage works.

2. *Lengths of embankments and areas protected.*—The various embankments of all classes maintained by Government in the Province have an aggregate length of 2,145 miles and 916 feet, and give protection to a total area of 8,658,699 acres.

There was an increase of 1 mile 3,972 feet in the length of the Orissa embankments. In the South-Western Circle a length of 1 mile and

2,639 feet was added by taking over the embankment on the right bank of the Hooghly river from Ulubaria to Champa khal. In the Gandak Circle there was an increase of 3,395 feet. There has been no change in the Northern Circle. The embankments are generally effective against floods, but a few of them are overtopped or breached during very high floods.

3. *Floods—Orissa Circle.*—There were moderate floods in the rivers Mahanadi, Koakhye, Dya and Brahmini. No damage was done. The highest flood in the Byturni river was 6·40 feet below the highest known, and the floods in the rivers in the Balasore Division were too low.

*South-Western Circle.*—There were no high floods in any of the rivers, and little or no damage was done to the embankments. There were two floods in the Selye river, and some of the breaches caused by the floods of 1907-08 were enlarged. The Harisingpur retired line was breached, and about 20 square miles of the Chetua circuit was damaged. Floods in the Cossye river caused some damage to the Raniganj road between Midnapore and Godapiasal. There were three floods in the Damodar river; that on 10th July 1908 was 2 feet lower than the highest recorded. The flood in the Bhagirathi river on 11th September 1908 was 3·69 feet below the highest recorded. No damage was done to the embankment.

*Gandak Circle.*—There were no heavy floods in any of the rivers. A new gauge station was established during the year at Bya near Zero of the Tirhut embankment in the running stream of the river Gandak to record cold-weather readings. The highest flood in the river Ganges at Bazitpur was 5½ feet lower than the highest recorded level in 1879. The flood levels of the river Bagmati were about the same as in the previous year. The highest flood in the Bur Gandak river was 3 feet below that of the previous year. No damage was done to any of the embankments in this circle.

The Bhatinda sluice at the 32nd mile of the abandoned portion of the Baijoo retired line of the Champaran embankment has been cut away by the river. There were minor erosions in certain portions of the Saran embankment.

4. *Breaches—Orissa Circle.*—A breach 45 feet in length occurred in the 3rd mile of Daib right embankment, No. 88B, and another breach, 150 feet long, in embankment No. 93B, Katjuri right, at Sarasundarpur. A short length at the end of the Chittertola right embankment, No. 56 (*c*), class B, was carried away owing to the cutting of the river channel just beyond the end of the embankment. There were no other breaches during the year.

*South Western Circle.*—Twenty-eight breaches occurred in the embankments. Of these, eight occurred in the Selye left embankment, seven in the Ghatal circuit embankment, seven in the Chetua circuit embankment and four in the Darkeswar right embankment. The total expenditure incurred in closing breaches and in executing flood-damage repairs to the embankments was Rs. 1,56,274, against Rs. 94,881 in the previous year. The increase in 1908-09 was due to repairing the damage done by the floods of 1907 to the embankments in the Cossye Division.

*Gandak and Northern Circles.*—There were no breaches in the embankments in these circles.

5. *Surveys and Investigations.*—The below-specified work was done during the year in connection with surveys and investigations :—

*Orissa Circle.*—Plans and estimates were prepared for raising certain portions of the Argowal circuit embankment. The survey of the Subarnarekha river is still in progress. A project for a new embankment on the left bank of the Subarnarekha river in lieu of the present Bhograi and Jokee embankments, which was laid before the Embankment Committee, was not approved. Their recommendation has been accepted by Government.

*South-Western Circle.*—(*a*) A survey of the Chetua circuit embankment and adjacent rivers with a view to ascertain some means for mitigating the damage done by the floods of the Selye river; (*b*) discharge observations of the Rupnarain and Selye rivers and the Mohunkhally khal were recorded; (*c*) surveys of the portion of the 37th and 38th miles of the Hooghly left embankment at Hooghly Point, where the river is encroaching; (*d*) survey in connection with the Begua spill weir; (*e*) a survey for the drainage of the town of Berhampur and improvement of the Gobra nala in the district of Murshidabad.

*Gandak Circle.*—(*a*) A survey for a cut from Bhagwanpur to Ramkola lake to improve the water supply in the channels in the south-east corner of the Saran district; (*b*) survey for the extension of the Dehi retired line at the 24th mile, Saran embankment; (*c*) survey for the Fateypur retired line at 37th to 40th miles, Champaran embankment; (*d*) survey for raising the old Sanat retired line at 52nd to 56th miles of the Saran embankment.

6. *Original Works.*—The outlay of the year (without charges for establishment and tools and plant) under this head amounted to Rs. 87,366 as against Rs. 90,088 in the preceding year. The more important works were as follows:—

*Orissa Circle.*—Three permanent escapes in the Dya left embankment were nearly completed, the outlay to the end of the year being Rs. 32,2[illegible]5. The improvement of the channel of the South Kania river was completed; the work of closing the Gaichanda and Poontia cuttings was approaching completion. For raising the sea embankment No. 7B in the Balasore Division, a sum of Rs. 4,864 was expended and about one-fourth of the work was completed.

*South-Western Circle.*—The construction of a sluice and an outfall channel at Sridharpur in the first mile of the Panchthupi left embankment was in progress at the end of the year, the expenditure to date being Rs. 4,741. The raising of the Buxi khal embankment was completed at an expenditure of Rs. 5,607, the outlay of the year being Rs. 3,197.

*Northern Circle.*—The earthwork of the Gupta embankment was completed at an expenditure of Rs. 63,186, dressing and turfing remaining to be done during the ensuing rains. The embankment will be maintained by the Gandak Circle.

*Gandak Circle.*—No original works were carried out.

7. *Ordinary Repairs.*—The expenditure on repairs (without book charges for establishment and tools and plant) aggregated Rs. 5,29,366. The expenditure on repairs to the Orissa embankments was Rs. 57,482, against Rs. 53,038 in the previous year. The total cost of repairs to the embankments (class B) enumerated in Schedule D of the Embankment Act of 1873, in the Midnapore district, which are in the Orissa Circle, was Rs. 32,904, against Rs. 24,260 in the year 1907-08. In the South-Western Circle the expenditure on ordinary repairs to Schedule D and other embankments was Rs. 94,620, against Rs. 1,01,588 in the previous year. There was a decrease in the districts of Burdwan, Midnapore and Murshidabad, while the expenditure in the other districts was rather greater than that of the previous year. On (class C) *takari* embankments under contract, *i.e.*, the class of embankments maintained at the expense of persons benefited in the Midnapore, Muzaffarpur, Saran and Champaran districts, a sum of Rs. 1,20,[illegible]97 was expended during the year as compared with the contract provision of Rs. 1,05,070. The outlay on the maintenance and special repairs of the Gandak embankments was Rs. 68,471, against Rs. 39,230 in the preceding year. The expenditure on the Midnapore embankments of this class in the Cossye and Balasore Divisions was Rs. 51,926, against Rs. 31,052 during the previous year.

8. *Retired lines.*—In the Orissa Circle Rs. 8,277, including charges for slope-cutting (which is an alternative measure), was expended, against Rs. 1,509 in the previous year. In the South-Western Circle the expenditure in the Burdwan, Hooghly, Midnapore and Murshidabad districts was Rs. 60,313, against Rs. 41,495 in the previous year. The increase was chiefly in the Hooghly and Midnapore districts, while there was a decrease in the Murshidabad and 24-Parganas districts. In the Gandak Circle Rs. 40,774 was expended on the Saran and Tirhut embankments, the outlay of the previous year being Rs. 4,000 only. No retired lines were constructed in the Northern Circle.

9. *Protection of River Banks.*—In the Orissa Circle the total outlay incurred on repairs to revetments and other works for the protection of the river banks was Rs. 16,347, against Rs. 13,707 in the preceding year. The expenditure on similar works in the South-Western and Gandak Circles was, respectively, Rs. 52,029 and Rs. 2,574.

10. *Financial.*—The actual outlay during the year on the Orissa embankments (class A) maintained as agricultural works, exclusive of charges for establishment and tools and plant, was Rs. 57,482, against Rs. 53,038 in the previous year, the average rate per mile being Rs. 118. The expenditure on class B

Government embankments was Rs. 3,45,720, against Rs. 2,63,150 in the previous year; the average rate being Rs. 320 per mile, against Rs 245 in 1907-08. In the case of the embankments maintained on behalf of the persons benefited at a fixed annual charge in the districts of Midnapore, Saran, Champaran and Muzaffarpur, the aggregate expenditure of the year was Rs. 1,20,397 as against contract payments amounting to Rs. 1,05,070. In Saran the expenditure was considerably in excess of the contract payments of the year, and in the other districts the maintenance charges were below the payments made. The payments and charges for a period of nine years are shown in a statement appended to this Resolution.

11. *Works undertaken under the provisions of the Drainage Act, VI (B. C.) of 1880.*—The Dankuni, Howrah, Rajapur and Barajolla drainage works in charge of the Executive Engineer, Northern Drainage and Embankment Division, were maintained in good order at a cost of Rs. 8,250 as compared with Rs. 18,122 in the preceding year.

The receipts from these works hitherto credited to the Civil Department have been transferred to this Department from 1st April 1907.

12. *Works undertaken under the provisions of the Sanitary Drainage Act, VIII (B. C.) of 1895.*—The only work which has as yet been taken up under this Act is that known as the Magra Hât drainage scheme in the 24-Parganas district. It is designed to drain the swamps around Magra Hât in the central portion of the tracts enclosed by the 24-Parganas embankments. Rupees 14,06,031 has been expended to date, of which Rs. 3,50,378 was expended during the year on works, establishment and tools and plant. Fair progress has been made with the scheme. Sections II and III were nearly completed during the year. The main sluice at Diamond Harbour in connection with Section I was practically completed. The creek at Diamond Harbour was closed with a strong cross dam in March 1909.

13. *Drainage works carried out under the provisions of the Embankment Act, II (B. C.) of 1882.*—In the Orissa Circle the construction of the Argowal drainage khal with an outfall sluice was practically completed. The expenditure to the end of the year amounted to Rs. 1,25,756, against the sanctioned estimate of Rs. 1,43,889.

*Maintenance and Repairs.*—The Charial khal drainage scheme was maintained in good condition at a cost of Rs. 1,575 as compared with Rs. 1,596 in the previous year. A large number of sluices in the schedule D embankments are maintained under the provisions of the Act at the cost of the estates benefited.

14. *Drainage works carried out at the cost of Government, but not under the provisions of any Act.*—The Bullee bhil drainage works in the 24-Parganas district were efficiently maintained at a cost of Rs. 3,020. In the Midnapore district the Balliaghai main and branch drains, which are used both for drainage and navigation, were kept open to traffic throughout the year. The main drain has silted up very considerably, and silt clearance will be done as funds become available. The khas tahsil khals in charge of this Department in the same district were cleared of silt at a total cost of Rs. 13,181. Other khas tahsil khals are reported to have deteriorated slowly, and steps will be taken to effect silt clearance gradually by an increased annual grant.

ORDER.—Ordered that a copy of the Resolution be published in the Supplement to the *Calcutta Gazette* and that a copy thereof and of the Appendices be submitted to the Government of India, Public Works Department, for information.

Ordered, also, that copies of the Resolution and of its Appendices be forwarded to the Revenue and Financial Departments of this Government; the Secretary to the Board of Revenue, L. P.; the Commissioners of the Presidency, Burdwan, Patna, Tirhut, Bhagalpur, Chota Nagpur and Orissa Divisions; the Director-General of Commercial Intelligence; the Superintending Engineers, Orissa, South-Western, Sone, Gandak and Northern Circles; and the Examiner, Public Works Accounts, Bengal, for information.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary to the Government of Bengal.*

## RESOLUTION ON THE REPORT OF THE BOARD OF REVENUE ON THE LAND REVENUE ADMINISTRATION OF THE LOWER PROVINCES FOR THE YEAR 1908-1909.

REVENUE DEPARTMENT—LAND REVENUE.

*Calcutta, the 29th November 1909.*

RESOLUTION—No. 3710L.R.

READ—

The Report of the Board of Revenue on the Land Revenue Administration of the Lower Provinces for the year 1908-09.

The Land Revenue Department of the Board was administered by the Hon'ble Mr. R. T. Greer, C.S.I., from the 1st April 1908 till the 9th November 1908, and by the Hon'ble Mr. F. A. Slacke, C.S.I., during the rest of the year. The work in the Partition and Land Acquisition Branches was in charge of the Hon'ble Mr. W. C. Macpherson, C.S.I., the Hon'ble Mr. R. T. Greer, C.S.I., and the Hon'ble Mr. E. W. Collin during different periods of the year.

2. *Demand, Collections, Balances and Remissions.*—The current demand of the year was Rs. 2,88,87,332, or over Rs. 1,42,000 in excess of that of the previous year. The percentage of total collections on the total demand dropped from 96·35 in 1907-08 to 96·03 in 1908-09, the lowest percentage during the quinquennial period. This result was due to bad harvests and high prices. The total collections were about Rs. 96,000 less than the current demand. The remissions amounted to Rs. 59,434.

3. *Road and Public Works Cesses.*—The current demand on account of cesses shows an increase of Rs. 2,71,365, due mainly to revaluation proceedings and to revision of assessment of mines and forests in various districts. The total collections rose by Rs. 1,20,220. The percentage of collections on the current demand fell from 101·07 in the previous year to 98·9. In 17 districts collections were below the prescribed standard, but the explanations given are generally adequate. In seven districts the percentage of collections on the current demand was below 95, and this was mainly due to the suspension of collections of cesses in flood-affected areas and decrease of voluntary payments caused by unfavourable agricultural conditions. Revaluation proceedings were in progress in 14 out of 30 districts in which the Cess Act is in force.

4. *Money-orders.*—There was a considerable increase in the number of revenue money-orders and the amount of land revenue and cesses thus remitted. The number of rent money-orders was less, but the amount covered by them showed some increase. The percentage of refusals rose from 22·5 in 1907-08 to 26·9. A high percentage is to be expected, as use is likely to be made of the system mainly by tenants and tenure-holders whose relations with their landlords are strained, but this upward leap is disquieting.

5. *Coercive measures.*—The revenue sale law was as usual administered with leniency and moderation. Although the number of defaults rose from 8,843 to 14,785, the number of sales decreased by 17, the percentage on defaults falling from 7·6 to 4·4. As one of the most common causes of default is disagreement among co-sharers, this result was probably mainly due to the instructions issued by the Board in the preceding year regarding the exercise of a discretion in granting exemptions from sale in the case of estates owned by co-sharers. The number of certificates filed during the year was 141,013 as against 139,044 in the preceding year. The number of cases completed fell short of the number filed during the year by 665, the falling off being shared by all the divisions except Tirhut and Bhagalpur. The Burdwan division shows the largest number of cases pending for more than six months.

6. *Condition of the raiyats in Government estates and expenditure on Improvements and Education.*—The year under review was a hard one for all who depend on the land, and the raiyats in Government estates did not escape their share of the trouble. Expenditure on miscellaneous and sanitary

improvements was smaller than usual, owing to the diversion of some of the money allotted to this head to other objects. That this should be possible is a matter for regret, and would seem to afford grounds for the change in the budget system which the Board have intimated their intention to propose. The numbers of schools and pupils, however, in Government estates have both increased, and the progress of education affords ground for satisfaction.

7. *Advances.*—The amounts advanced during the year 1908-09 under the Land Improvement and Agriculturists' Loans Acts were Rs. 9,74,780 and Rs. 35,41,044 respectively. Rupees 4,23,561 and Rs. 1,22,200 were advanced under the former Act in the years 1907-08 and 1906-07, and Rs. 13,83,782 and Rs. 17,47,818 under the latter. The very large increase under both heads is due to a great extent to the policy now adopted by Government of using loans as a means of alleviating scarcity occasioned by crop failure when it falls short of actual famine. The raiyats are thus kept in condition to take advantage of the earliest opportunities for cultivation, and money which would otherwise have to be spent on unremunerative relief is saved. The loans are readily taken by the raiyats and, as a rule, promptly repaid. In 1908-09, however, Rs 16,00,000, or about 66 per cent. of the current demand was not collected, temporary suspensions being given in the Tirhut, Bhagalpur and Chota Nagpur divisions on account of scarcity. Now that normal conditions have been restored, the Lieutenant-Governor trusts that this heavy outstanding balance will be collected at an early date.

8. *Drainage and Irrigation.*—Further progress was made in the important scheme for the drainage of the Mograhat swamps in the 24-Parganas. A new departure of importance during the current year was the semi-artesian well-boring experiments in Muzaffarpur, which helped to provide water during the late scarcity in that district, at a time when there was some danger of a complete failure of supply. As a temporary expedient boring on this system proved most useful. Until the tubes have been working for some time, however, and it can be seen whether or not they tend to become choked, it is too early to pronounce the idea a permanent success. Should it prove to be so, as neither the plant required nor the process is expensive, it seems likely that wells of this nature might be sunk with no more difficulty in many parts of the alluvial area and provide at least a partial solution of the pure-water problem in Bengal. During 1908 orders were passed by Government exempting all persons liable to pay embankment cess of less than 4 annas a year. Although Government incurs by this a charge of less than Rs. 2,000, nearly 69,000 proprietors were benefited by it.

9. *Partitions.*—There was a slight decrease in the number of cases instituted, but an increase in the number completed. This is satisfactory, but room for improvement yet remains. The Board are still engaged in considering reforms in procedure, and the Lieutenant-Governor trusts that their proposals may be received before long.

10. *Sundarbans.*—The reclamation work at Fraserganj was practically completed during the year. The result of the experiment, however, has been disappointing, and Government has decided to lease the estate.

11. *Working of the Tenancy Act.*—The Bengal Tenancy Act continued to work fairly satisfactorily. The levy of illegal cesses by zamindars in addition to rent has by no means ceased, but it is reported that the preparation of a record-of-rights in the Tirhut, Bhagalpur and Patna divisions has done much to teach the tenants their rights. A new Tenancy Bill for Orissa is at present under the consideration of Government.

12. *Weather, crops, prices of food, wages and material condition of the people, etc.*—The season of 1908 was bad. The harvest was poor and prices remained high. Jute cultivation was contracted owing to depression in trade, and sugar-cane suffered along with other crops from the dry seasons, so that money was as scarce as food Although wages rose with the prices of food, all classes alike were affected by the scarcity which prevailed in different parts of Bengal. Fortunately, emigration within the province and to other parts of India aided by improved communications, continues to increase, and helps to relieve the suffering from bad harvests and pressure of the population on the soil. The

money-order system facilitates the prompt remittance of the wages thus earned to the centres that need them, and the famine which compels the labourer to leave his home often proves a blessing in disguise. The growing tendency to travel in search of work, together with the importation of new ideas which it entails, probably accounts for the continued improvement in the standard of living among all classes of the population. Numerous articles which a few years ago were the luxuries of the well-to-do are fast becoming necessities for the many. These new needs provide a stimulus for trade which it is to be hoped will result in the development and creation of Indian industries, without which a population so largely dependent on agriculture must continue to remain at the mercy of the seasons.

13. The Lieutenant-Governor thanks the Board for their administration of the Land Revenue Department. The names of officers mentioned as deserving of special commendation have been noted by the Lieutenant-Governor and will be recorded by the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Chief Secy. to the Govt. of Bengal.*

No. 2771A., Dated Calcutta, the 13th August 1909.

From—E. LISTER, Esq., Offg. Secretary to the Board of Revenue, L. P.,
To—The Chief Secretary to the Government of Bengal.

THE HON'BLE MR. F. A. SLACKE, C.S.I.

I AM directed to submit the following report on the Land Revenue Administration of the Lower Provinces for the year 1908-09.

2. Two maps illustrating the progress made in survey and settlement, respectively, are appended to this report in accordance with Government order No. 762, dated the 16th February 1909.

3. The Land Revenue Department of the Board was administered by the Hon'ble Mr. R. T. Greer, C.S.I., from the 1st April 1908 to the forenoon of the 9th November 1908 and by the Hon'ble Mr. F. A. Slacke, C.S.I., from the latter date to the close of the year. The work in the Partition and Land Acquisition Branches (paragraphs 87-96), though dealt with in the Land Revenue Administration Report, was in charge of the Hon'ble Mr. W. C. Macpherson, C.S.I., the Hon'ble Mr. R. T. Greer, C.S.I., and the Hon'ble Mr. E. W. Collin during different periods of the year.

4. A new division known as the Tirhut Division, comprising the districts of Muzaffarpur, Darbhanga, Champaran and Saran, which formerly formed part of the Patna Division, was constituted under the notification of the Government of India No. 1169 of the 18th November 1908 (published in the *Gazette of India* of the 21st idem and reprinted in Part I-A of the *Calcutta Gazette* of the 25th idem). The figures for the whole year relating to these four districts have been shown under the head of the Tirhut Division.

## PART I.—COLLECTION OF LAND REVENUE.

Threefold classification of estates.

Appendices I, IA, IB and IC.

5. The total number of estates on the roll was 126,149, of which 114,153 were in class I (permanently-settled estates), 10,466 in class II (temporarily-settled estates) and 1,530 in class III (estates held direct by Government), as against 113,159, 10,302 and 1,830 respectively in the previous year. The net total increase was 858. The [illegible]tions of 994 estates in class I and of 164 in class II were chiefly due to partitions of estates in the Bihar and the Orissa districts, and the decrease of 300 estates in class III was mainly due to amalgamation of Government estates. Other causes, such as transfers from class to class, redemptions of petty estates, resumptions of lands, and the creation of new estates, also contributed to the fluctuations.

Statistics of demands, collections, remissions and balances.

Appendix I.

6. The table below compares the demands, collections, remissions, and balances of land revenue of the year under report with the corresponding figures of the preceding four years (*malikana*, revenue of police lands and quit rents of Tributary States are included).

| YEAR. | DEMANDS. | | | COLLECTIONS. | | | Remissions. | BALANCES. | | | Percentage of total collections on total demand. | Percentage of total collections on current demand. | Percentage of current collections on current demands. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Current. | Arrear. | Total. | Current. | Arrear. | Total. | | Current | Arrear. | Total. | | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | | | |
| 1904-1905 ... | 2,83,36,642 | 7,73,268 | 2,91,09,910 | 2,76,16,776 | 6,20,498 | 2,82,37,274 | 72,447 | 6,87,980 | 1,12,209 | 8,00,189 | 97·00 | 99·65 | 97·46 |
| 1905-1906 ... | 2,85,84,038 | 8,25,757 | 2,94,09,795 | 2,79,97,689 | 6,58,892 | 2,86,56,581 | 61,851 | 5,77,808 | 1,23,495 | 7,01,303 | 97·44 | 100·25 | 97·95 |
| 1906-1907 ... | 2,87,00,503 | 7,54,409 | 2,94,54,912 | 2,81,40,113 | 5,85,132 | 2,87,25,245 | 50,879 | 5,41,392 | 1,37,396 | 6,78,788 | 97·52 | 100·09 | 98·05 |
| 1907-1908 ... | 2,87,45,098 | 6,84,069 | 2,94,29,167 | 2,78,50,251 | 5,06,102 | 2,83,56,353 | 28,189 | 8,89,327 | 1,55,298 | 10,44,625 | 96·35 | 98·64 | 96·88 |
| 1908-1909 ... | 2,88,87,332 | 10,94,147 | 2,99,81,479 | 2,79,82,251 | 8,09,011 | 2,87,91,262 | 59,434 | 8,90,988 | 2,39,795 | 11,30,783 | 96·03 | 99·67 | 96·86 |

The total demands and collections of the year exceeded those of the previous year by Rs. 5,52,312 and Rs. 4,34,909 respectively. The percentage

of collections on demands was, however, the lowest during the quinquennial period. As in the previous year bad harvests in certain districts and the high prices of food-grains adversely affected the collections.

Demands.

7. The current demands of the year from the three classes of estates are compared below with those of the preceding four years:—

| Class of estate. | 1904-1905. | 1905-1906. | 1906-1907. | 1907-1908. | 1908-1909. |
|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. |
| I. Permanently-settled estates. | 2,28,73,810 | 2,28,74,832 | 2,28,77,520 | 2,28,77,604 | 2,28,75,295 |
| II. Temporarily-settled estates. | 27,74,875 | 29,71,254 | 30,28,746 | 30,41,835 | 31,02,748 |
| III. Estates held direct by Government. | 26,87,957 | 27,37,952 | 27,94,237 | 28,25,659 | 29,09,289 |
| Total ... | 2,83,36,642 | 2,85,84,038 | 2,87,00,503 | 2,87,45,098 | 2,88,87,332 |

The above figures show a gradual increase in the demands of the estates in classes II and III. The net increase in the total demand amounted to Rs. 1,42,234 as compared with the preceding year. The demand in class I decreased by Rs. 2,309, chiefly owing to abatements of revenue consequent on the acquisition of lands for public purposes. There were additions of Rs. 60,913 and Rs. 83,630 respectively in the other two classes owing to new settlements of estates, re-settlements, and the accrual of enhancements in the case of rents settled at progressive rates.

The arrear demand was Rs. 10,94,147, as against Rs. 6,84,069 of the previous year. The difference between the former amount and the total outstanding balance of Rs. 10,44,625, shown in the preceding year's report, was due to settlements and re-settlements with retrospective effect and to revisions of accounts.

Collections.

8. The total collections amounted to Rs. 2,87,91,262 and represented 96·03 per cent. of the total and 99·67 per cent. of the current demand. The percentages of collections, both current (Rs. 2,79,82,251) and arrear (Rs. 8,09,011), showed a slight falling off, being 96·86 and 73·93, as against 96·88 and 73 98 respectively in the previous year.

9. Of the arrears due from certain estates in Hooghly, in respect of which frauds had been committed some years ago through collusion between the agents of the proprietors and the clerks, Rs. 1,315 were recovered out of the balance of Rs. 9,165 unrealized at the beginning of the year. The remainder, Rs. 7,850, is covered by instalment bonds executed by the proprietors of two estates who are regularly paying their instalments.

Remissions.

10. The remissions of land revenue allowed during the year amounted to Rs. 823 in permanently-settled estates, Rs. 2,642 in temporarily-settled estates and Rs. 55,969 in estates held direct by Government, making a total of Rs. 59,434, of which Rs. 31,666 represented remissions of grace, Rs. 9,929 remissions of right, and Rs. 17,839 nominal remissions. The remissions represented ·2 per cent. of the total demand against ·09 per cent. in the previous year.

The remissions of grace were granted, as usual, mainly in Government estates, the main reasons being the loss of crops, the poverty of the raiyats, and the deterioration of the soil. The largest amounts under this head were Rs. 6,983 in Midnapore, Rs. 17,155 in the 24-Parganas and Rs. 4,366 in Nadia. The remissions of right were mainly due to diluvion, double assessment of lands, and the acquisition of lands for public purposes In Bhagalpur Rs. 4,432 appeared under this head. The nominal remissions included Rs. 12,046 in the 24-Parganas and Rs. 3,044 in Gaya, and were generally due to non-settlement of holdings, erroneous assessment of lands, and mistakes in accounts.

Balances.

11. The current and arrear balances outstanding at the close of the year were Rs. 8,90,988 and Rs. 2,39,795 respectively. The total of Rs. 11,30,783 represented 3·77 per cent. of the total demand, as against 3·55 per cent. in the preceding year. But if the amount collected but not credited in the accounts within the year (Rs. 59,580) and the demand held in suspense (Rs. 2,21,555) be taken into account, the true balance would be Rs. 8,49,648 or 2·83 per cent. of the demand. Of the total balance the recovery of Rs. 50,799 is doubtful. The remainder, Rs. 10,79,984, is in process of realization. The balances in the three classes of estates are compared below with those of the preceding year:—

| Class of estate. | Total balances. | | Percentage of the balances on the total demand. | |
|---|---|---|---|---|
| | 1907-08. | 1908-09. | 1907-08. | 1908-09. |
| | Rs. | Rs. | | |
| I ... ... | 3,33,476 | 2,10,556 | 1·44 | ·91 |
| II ... ... | 2,39,242 | 4,09,981 | 7·56 | 12·17 |
| III ... ... | 4,71,907 | 5,10,246 | 14·94 | 14·97 |
| Total ... | 10,44,625 | 11,30,783 | 3·55 | 3·77 |

The explanations of the balances are given in the following paragraphs:—

Permanently-settled estates.

Appendix 1A.

12. The results of the collections during the year in the permanently-settled estates were more satisfactory than those of several preceding years. The total demand including arrears was Rs. 2,32,08,657. The amount collected was Rs. 2,29,97,278 or 99·09 per cent. of the total and 100·53 per cent. of the current demand. In the previous year the corresponding percentages were 98·55 and 99·54 respectively.

*Current collections.*

13. The current collections of Rs. 2,27,03,139 amounted to 99·24 per cent. of the current demand. The standard of 99 per cent. was attained in all but four districts. Of the balance of Rs. 66,928 in Midnapore (96·46), Rs. 28,654 were deposited in other treasuries on or before the last *kist* day of the year and Rs. 32,315 were due from certain embarrassed estates belonging to Raja Sir Sourindra Mohan Tagore, which are under the management of the Court of Wards. In the 24-Parganas the collections reached 98·36 per cent., and the slight deficiency is attributed to the fact that certain large estates defaulted in the March *kisti* and no coercive measures could be taken within the year. In Jessore (97·59) almost the entire balance (Rs. 22,362) was due from the Mukharji Wards' estate. The balance in Darjeeling (97·4) was Rs. 26 only.

*Arrear collections.*

14. The total arrear collections (Rs. 2,94,139) were 88·23 per cent. of the demand. Of the total outstanding balance of Rs. 38,401, Midnapore accounted for Rs. 33,767, and the wards' estate of Raja Sir Sourindra Mohan Tagore was solely responsible for this sum.

Temporarily-settled estates.

Appendix IB.

15. The temporarily-settled estates comprise three sub-classes, *viz.*, (1) private estates settled with the proprietors, (2) private estates leased to farmers, and (3) Government estates leased to farmers. The total demands were Rs. 33,66,600 and the collections Rs. 29,53,977. The latter represented 87·74 per cent. of the total and 95·20 per cent. of the current demand, as compared with 92·22 and 95·92 per cent. in the previous year. The falling off in collections was mainly due to the fact that in Cuttack and Balasore a demand of Rs. 2,18,554 had to be suspended on account of the loss of crops caused by floods.

*Current collections.*

16. Twelve districts failed to attain their respective standards of current collections. Of these the balances were heavy in three districts only, *viz*, Khulna (Rs. 30,714), Cuttack (Rs. 1,56,395) and Balasore (Rs. 73,017). In Khulna the short collections were due to non-completion of the settlements of certain Sundarbans estates. Since the close of the year most of these have been completed, and the few remaining will be disposed of shortly.

*Arrear collections.*

17. The arrear collections amounted to Rs. 1,78,841 or 67·78 per cent. of the demand. The outstanding balances were comparatively large in the districts of the 24-Parganas (Rs. 3,405), Khulna (Rs. 2,554), Shahabad (Rs. 24,802), Cuttack (Rs. 5,171) and Balasore (Rs. 40,694). In the 24-Parganas the realization of a portion of the balance was kept in abeyance pending the decision of a civil suit and the remainder is in course of recovery. The short collections in Shahabad were chiefly due to the fact that retrospective effect was given to the new revenue assessment of the estates of which the settlement proceedings were concluded during the year under report, and the proprietors were in consequence allowed time to pay the arrears. As regards Khulna, Cuttack and Balasore, the explanations of current balances apply to arrear balances also.

Estates held direct by Government.

Appendix IC.

18. The estates held direct by Government include two classes, *viz.*, (1) those belonging to private proprietors but managed by Government and (2) those owned by Government as proprietor. The total demand including arrears amounted to Rs. 34,06,222, of which Rs. 28,40,007 or 83·37 per cent. were collected, as against 84·39 in the preceding year. The total remitted was Rs. 55,969 and Rs. 5,10,246 were outstanding at the close of the year. Of the total balance the recovery of Rs. 43,610 is doubtful, and the remainder is in course of realization.

*Current collections.*

19. The current collections (Rs. 25,03,976) represented 86·06 per cent. of the demand and showed a slight falling off as compared with the similar collections of the preceding year. Of the twelve districts which failed to collect up to their respective standards the balances were large in Khulna (Rs. 21,283), Patna (Rs. 20,365), Shahabad (Rs. 39,891), Bhagalpur (Rs. 10,907), Sonthal Parganas (Rs. 22,393), Angul (Rs. 25,522) and Singhbhum (Rs. 10,900). The general explanation of the short collections was the partial failure of the crops and the high price of food-grains during the year under report and the year which preceded it.

*Arrear collections.*

20. Of the arrear demand of Rs. 4,96,933, the amount recovered was Rs. 3,36,031 or 67·62 per cent. The outstanding balances were large in Midnapore (Rs. 22,[illegible]89), 24-Parganas (Rs. 35,783), Nadia (Rs. 5,150), Monghyr (Rs. 29,272) and Puri (Rs. 7,622). The balance in Midnapore, of which the bulk is [illegible] from Jalamutha and Majnamutha, is in course of recovery. The bad collections in Nadia are attributed to the unfavourable agricultural conditions. The balance outstanding in the 24-Parganas includes a sum of Rs. [illegible]16,639 which will have to be remitted for various reasons, and the remainder is in process of recovery. In Monghyr Rs. 24,999 due from the two estates Taufir Barhaiya and Binda Diara are in dispute in the civil court, as the tenants concerned contested the demand, and the rest is in course of realization. Of the balance in Puri Rs. 1,002 are bad and irrecoverable and the remainder is under recovery.

Forest and miscellaneous revenue.

Appendix II.

21. The total collections of miscellaneous revenue, including receipts from forest lands in Government estates, amounted to Rs. 7,94,787, showing an increase of Rs. 3,96,795 over the figures of the previous year. The increase was mainly due to recoveries during the year of large sums in Purnea and Ranchi on account of survey and settlement charges. The largest amounts included in "other receipts" were Rs. 57,325 in Burdwan, consisting of the charges for repairs to Government embankments (*phulbandi*) realized from the Burdwan Raj, Rs. 50,943 in the Sonthal Parganas representing fees for fuel and royalties on *sabai* grass and *hats* and Rs. 34,227 in Palamau on account of lac. The remissions (Rs. 35,277) and balances

Rs. 16,542) were chiefly in respect of fines under the Bengal Act VII of 1876, in the Bihar districts. The balances are in course of recovery.

Sale of Government estates.

Appendix III.

22. Ninety-seven estates, covering an area of 2,510 acres in the Burdwan, Presidency, Bhagalpur and Orissa divisions, were sold during the year for Rs. 19,907 subject to a total revenue of Rs. 5,340. In addition to the above, 10 plots of land, with an area of 156·015 acres, were sold, revenue free, at a total price of Rs. 19,711, and one plot, covering 7 acres, was sold free of revenue demand for Rs. 16,315.

Amalgamation of Government estates.

23. Efforts have been made to diminish work in Government estates which are wholly the property of Government by amalgamating, and so reducing the number of estates in each district. As a result of the orders which have been passed with this object, some progress has been made in the desired direction.

The Commissioner of the Tirhut division reports that the reduction in the number of estates has resulted in an important reduction in the account and returns work and no difficulty in the working of the new system has been reported from any district except Monghyr. The following table shows the result of the amalgamation in the several divisions of the province except that of Chota Nagpur, where the Government estates do not admit of further amalgamation:—

| Division. | No. of estates reduced by amalgamation. | Existing No. of estates after amalgamation. |
|---|---|---|
| Burdwan ... ... ... | 13 | 153 |
| Presidency ... ... ... | 84 | 75 |
| Patna ... ... ... | 105 | 15 |
| Tirhut ... ... ... | 21 | 16 |
| Bhagalpur ... ... ... | 124 | 56 |
| Orissa ... ... ... | 1 | 6 |

Amount of land-revenue assigned or alienated by Government in favour of grantees.

Appendices IV and V.

24. There were twenty cases of alienation of Government lands, in nine of which the areas concerned were made over to municipalities. Ten plots of land, covering an area 3·95 acres, were alienated for public purposes in favour of private bodies, involving a total loss of revenue amounting to Rs. 762. Another plot was sold to a company for the full market value of Rs. 5,000. The estimated market value and the estimated yearly rental of all the lands alienated during the year under report amounted to Rs. 33,270-6-5 and Rs. 1,464-7-8, respectively.

Road and Public Works Cesses.

25. A report on the Road and Public Works Cess operations of the province is submitted to Government separately; and therefore only a brief account is inserted in this report regarding the working of the Bengal Cess Act IX of 1880. The Act is not in force in Angul, the Khandhmals, Sambalpur, and parts of the Sonthal Parganas, where it is being gradually introduced. In the 30 districts in which the Act is in force, the cesses were, as before, levied at the maximum rate of one-anna on each rupee of the annual value of lands or annual net profits of mines and other immoveable properties. The current demand of land revenue of the 30 districts was Rs. 2,85,42,251, while their valuation or gross rental amounted to Rs. 13,33,01,239. As compared with the preceding year, the current demand of cesses increased from Rs. 71,20,946 to Rs. 73,92,311 owing chiefly to revaluation proceedings, and to the revision of assessments of mines and forests. The collections amounted to Rs. 73,17,693, as against Rs. 71,97,473. The percentage of the total collections on the current demand was 98·9. The collections were above the prescribed standard of 100 per cent. on the current demand in 13 districts. Of the remaining 17 districts in which the percentage did not reach the prescribed standard, 6 attained percentages above 98 and 4 above 95. In the remaining 7 districts, for which explanations are given here, the percentages were below 95. In Monghyr, Purnea and Palamau, the poor collections were mainly due to the decrease of voluntary payments caused by the unfavourable agricultural conditions; in the Sonthal Parganas to the imposition of a new assessment on most of the estates during the year; in Cuttack, to the suspension of the collection of a portion of the cess demand in the flood

affected areas, where the crops had been ruined; in Ranchi to the inability of the Maharaja of Chota Nagpur to pay his cesses for the fourth quarter before the close of the year; and in Manbhum to the sudden fall of prices in the coal market. The remissions and reductions amounted to Rs. 98,306, as against Rs. 67,756 of the previous year, and the percentage of the balance to the total demand slightly rose from 15·1 to 15·6. During the year valuations and revaluations were in progress in 14 out of 30 districts to which the Act is applicable.

Redemption of land revenue.

Appendix VI.

26. The number of petty estates of which the land revenue was redeemed during the year was 267. These were mostly permanently-settled holdings in the Government estates of Calcutta and the suburbs. The total annual rent was Rs. 605 and the price realized on redemption amounted to Rs. 17,413.

Only one estate was redeemed under section 11 of the old Partition Act, Bengal Act VIII of 1876. The new Act, Bengal Act V of 1897, does not provide for the redemption of petty estates formed by partition.

Remittances of land revenue and cesses by means of special money-orders.

Appendix XXX.

27. The number of money-orders and the amount of land revenue and cesses remitted thereby increased from 241,489 and Rs. 17,07,574 in the preceding year to 255,577 and Rs. 19,49,141 respectively in the year under report. The system is growing in popularity among petty zemindars, but those who have to pay large sums find it cheaper to employ local agents. The average value of an order rose to Rs. 7-10 from Rs. 7-0-6 in the previous year. The remittance exceeded Rs. 50,000 in the sixteen districts shown in Appendix XXX, and in five of them the amount was more than a lakh.

Remittances of rent by money-orders.

Appendix XXXI.

28. Arrangements for the payment of rent by money-order were in force throughout Bengal except the districts of Darjeeling, the Sonthal Parganas and Angul. The introduction of the system into the Chota Nagpur division, which was kept in abeyance pending the discussion of the Chota Nagpur Tenancy Bill, has now been effected. The form of special money-order was prescribed under Bengal Government notification No. 4805L.R., dated the 30th November 1908.

29. The total number of money-orders issued during the year was 42,459 (for Rs. 6,66,019) as against 42,949 (for Rs. 6,52,271) in 1907-08. There was an increase in the Patna, Tirhut, Bhagalpur and Orissa Divisions. The decrease is found mainly in Bankura, Midnapore, Hooghly, the 24-Parganas, and Purnea, where it is generally attributed to the inability of the tenants to pay their rents on account of bad crops. The percentage of money-orders refused to money-orders issued rose from 22·5 in 1907-08 to 26·9; and though refusals may be due to a multiplicity of causes, this increase is ominous of agrarain disputes. The increase is common to all the divisions, except Orissa, where it fell from 32·5 to 14·2. It rose markedly from 21·9 to 31·7 in Nadia, from 6·7 to 27·6 in Monghyr and from 27·6 to 40·2 in Purnea. In the case of Nadia no explanation has been given. The rise in Monghyr is said to be due to unsatisfactory relations between landlords and tenants, while that in Purnea is attributed to the fact that zamindars refused the money-orders, because the amount of rent remitted was in accordance with the old rents, and not the new ones fixed by the Settlement Department. There was no case of refusal in Puri, and the next smallest percentage (4·07) was reported from Gaya.

Operation of the Sale Laws.

Appendices VII and VIII.

30. In comparison with the previous year there was a large increase in the number of defaults, but the total number of sales decreased by 17. Out of 14,785 estates shares and interests which became liable to sale for the non-payment of Government revenue as compared with 8,843 in 1907-08, only 656 or 4·4 per cent. were actually sold, as against 673 or 7·6 per cent. in the previous year. Of the total number sold 364 were whole estates and 292 were shares. The amount realized by sale was Rs. 2,87,720 or 6 times the Government revenue of the properties sold, as against 7·4 times in the previous year. Out of 131 appeals

preferred to Commissioners against sales, 38 were successful, and in addition recommendations for the annulment of sales on the ground of hardship were made to Government in 25 cases.

| Districts. | Defaults. | Sales. |
|---|---|---|
| Cutack ... | 3,711 | 31 |
| Patna ... | 1,233 | 61 |
| Shahabad ... | 1,197 | 36 |
| Midnapore ... | 1,152 | 41 |
| Muzaffarpur ... | 1,120 | 53 |
| Saran ... | 811 | 25 |
| Monghyr ... | 730 | 63 |
| Darbhanga ... | 622 | 20 |
| Burdwan ... | 538 | 57 |
| Hooghly ... | 501 | 64 |
| Balasore ... | 483 | 13 |
| Gaya ... | 465 | 21 |
| Bhagalpur ... | 434 | 30 |
| 24-Parganas ... | 390 | 42 |
| Jessore ... | 254 | 25 |
| Nadia ... | 213 | 22 |
| Purnea ... | 183 | 22 |

31. The number of *chaukidari chakaran* lands sold for arrears was 33, on which the Government revenue payable is Rs. 1,425. They are situated in the districts of Burdwan, Birbhum, Bankura, Midnapore, Hooghly with Howrah, Monghyr and Cuttack. There were 8 appeals preferred to the Commissioner, but the sale was annulled in 1 case only.

32. The districts in which defaults were most numerous are noted on the margin. As compared with the previous year the list includes Balasore and Purnea, but excludes Murshidabad.

33. The chief causes which led to the sale of estates during the year were disputes among co-sharers, wilful defaults with the object of annulling encumbrances or purchasing the shares of petty share-holders, the insolvency of proprietors and neglect on the part of agents.

| | |
|---|---|
| Hooghly ... | 12·7 |
| Purnea ... | 12·0 |
| Bankura ... | 11·5 |
| 24-Parganas ... | 10·7 |
| Burdwan ... | 10·5 |
| Nadia ... | 10·3 |
| Jessore ... | 9·8 |
| Monghyr ... | 8·6 |
| Bhagalpur ... | 6·9 |
| Murshidabad ... | 6·7 |
| Khulna ... | 6·6 |

34. The proportion of sales to defaults in the districts in which the sales were most numerous are noted on the margin. The rule that the sales of one *kist* should be held before the next *kist* day was generally observed.

35. The total number of certificates filed was 141,013 as against 139,044 in 1907-1908. The increase was common to all heads except "embankment dues" and "all other certificates made under section 7(1)", in which the institutions decreased by 3,009 and 1,329, respectively.

Working of the Bengal Public Demands Recovery Act, I of 1895, as amended by Bengal Act I of 1897.

Appendix IX.

The increase under the head "of all kinds under section 5, Bengal Act I of 1895" is small and does not call for any comment.

Under the head "to realize arrears of rent due to Government" the increase in Midnapore is attributed to the issue of certificates, for the realization of rents in the Kukrahati circle of the Majnamutha estate at the increased rates fixed in the recent settlement. In Monghyr it is due to the fact that certificates had to be filed for the realization of rent due from tenants in the town khas mahal who had left their homes owing to the outbreak of plague. The increase in Puri is due to the issue of a large number of certificates by the tahsildar of Kotdesh for the realization of arrears preparatory to the termination of khas management.

Under the head "embankment dues" there was a marked decrease in the Tirhut Division in the number of institutions (4,218 as against 6,791), which is attributed to the fact that in Muzaffarpur certificates were not filed in the latter part of the year for the recovery of small sums, owing to the remission of demands of 4 annas or less. In Darbhanga a system of local collections was adopted as an alternative to certificates. The result is reported to be satisfactory. In Saran the explanation is offered that the proprietors concerned paid their embankment dues punctually.

Under the head "water rates" the increase (199) in Burdwan is attributed to the issue of certificates against persons who surreptitiously appropriated canal water and refused to pay water rates.

Under the head "cesses" the increase is mainly noticeable in Bankura, Nadia, Patna, Muzaffarpur, Darbhanga and Cuttack, and is ascribed to the more regular issue of certificates for the recovery of arrears.

The most marked variation under the head "recovery of Court of Wards demands" is in the district of Gaya, where the new cases rose from 112 to 1,421 owing to the institution of a large number of certificates on behalf of the Maksudpur Rani's estate for arrears of rent.

Under the head "all other certificates made under section 7(1)" the increase in Howrah (2,629) is chiefly due to the filing of certificates by zamindars against their tenants under the Drainage Act. In Midnapore the special enquiries made regarding estates in which no mutation had been applied for during the last ten years have resulted in the institution of a large number of land registration fine cases. In Muzaffarpur and Cuttack the increase was due to the issue of a large number of certificates for the recovery of fines under the Land Registration Act. On the other hand, there were marked decreases in Patna and Monghyr, where the figures fell from 4,365 to 2,591 and from 8,132 to 1,934 respectively. In the former district an unusually large number of certificates had been filed in 1907-1908 for the realization of fines under the Land Registration Act. In the latter the reduction was due to the completion of the land registration revision proceedings in North Monghyr which had been in progress for some years previously.

36. *Disposals.*—The number of disposals fell short of the new institutions in all the Divisions except Tirhut and Bhagalpur. The percentage of the total number of cases disposed of to the total number for disposal was 77·8 as against 78·2 in the previous year. The Tirhut Division returned the highest percentage (81·5), and the Chota Nagpur Division the lowest (67·6), this poor result being attributed to the lateness of the institution of a large number of certificates. The same explanation is offered for the falling off in Birbhum, Midnapore, Patna, Gaya, Darbhanga and Palamau. The unsatisfactory percentage in Nadia (69·3) is attributed to the distress which prevailed in the district. Regarding the low percentage in Howrah (62·6), the Collector explains that the result would have been much better but for the increase in cases instituted by landholders against their tenants for the recovery of drainage costs. The certificate officer has no control over these cases, as the decree-holders are seldom prompt to apply for steps in aid of execution and usually delay in depositing the necessary costs, because they know that the cases cannot be struck off if only they come forward within the period of limitation.

37. *Pending cases.*—In cases pending more than six months during the year the Burdwan Division shows the largest (2,332) and the Orissa Division the lowest (124) totals. The number pending in the district of Gaya was 1,249 more than in the previous year, mainly on account of the laxity shown by the Maksudpur Rani's estate in prosecuting its cases.

38. The sub joined table shows the stages of procedure at which demands were satisfied in the several divisions.

| Divisions. | Number of cases in which payments were made on mere issue of notices | Number of cases in which payments were made on attachment of property. | Number of cases in which recourse to actual sale was necessary. | Number of cases in which warrants were issued and the amounts were paid without imprisonment of defaulters. | Number of debtors imprisoned. | |
|---|---|---|---|---|---|---|
| | | | | | Number released on payment of debt before expiration of imprisonment | Number released without payment of debt. |
| Burdwan ... | 9,803 | 19,788 | 399 | [illegible] | 2 | 3 |
| Presidency ... | 4,264 | 7,608 | 509 | 194 | 6 | 7 |
| Patna ... | 4,717 | 14,856 | 663 | 77 | 1 | 4 |
| Tirhut ... | 9,189 | 22,835 | 986 | 349 | 1 | 6 |
| Bhagalpur ... | 3,351 | 5,705 | 704 | 27 | ... | 1 |
| Orissa ... | 3,677 | 7,383 | 200 | 13 | ... | 1 |
| Chota Nagpur ... | 670 | 1,812 | 85 | 37 | 1 | ... |
| Total 1908-09 | 35,671 | 79,987 | 3,546 | 1,186 | 11 | 22 |
| Total 1907-08 | 35,901 | 79,107 | 4,383 | 1,170 | 13 | 17 |

39. Of the total number of cases disposed of, the percentages of cases in which payments were made on the issue of notices and on attachment of property were 25·4 and 56·9 respectively, as against 25·6 and 56·4 in 1907-1908.

Realization of Government demand by imprisonment.

40. The total number of persons imprisoned during the year for the non-payment of Government demands (exclusive of sums due to wards' estates, road cess and ferry dues) was 18 as against 16 in the previous year. By districts, there were four cases in Hooghly, the 24-Parganas and Gaya,

three cases in Murshidabad, and one in Burdwan, Sambalpur and Palamau. Two defaulters in Hooghly, three in the 24-Parganas, one in Gaya and one in Palamau were released before the expiry of the terms of imprisonment on payment of their dues. In three cases in Gaya the debtors were released on their personal recognizances before the expiry of the term of imprisonment. In the other cases the imprisonment failed in its object and no recovery was made.

## PART II.—ADMINISTRATION OF LAND REVENUE.

Estates under direct management.

41. The total number of estates under direct management during the year, including estates of private individuals managed by Government, was 1,580 with a current demand of Rs. 29,09,289. The percentage of the cost of management to the current demand was 7·83 per cent.

Agency and mode of management.

42. The following changes in the agency and system of management have been sanctioned:—

In Khulna the supervision of the tahsil establishment was transferred from the Subdivisional Officer of Satkhira to the Khas Mahal Deputy Collector at the district head-quarters. In Singhbhum the general management and control of the Kolhan and Chaibassa town khas mahals were placed in the hands of Mr. L. Burrows, Deputy Collector, with effect from the 30th October 1908.

Grant for the management of, and for agricultural, sanitary and miscellaneous improvements in, Government estates.

43. The amount placed at the disposal of the Board for the management of Government estates during the year 1908-09 was Rs. 2,74,629, and additional allotments of Rs. 89,611 were subsequently sanctioned.

Appendix X shows the expenditure incurred during the year under the heads of—

(1) Management.
(2) Miscellaneous improvements, including agricultural improvements and experiments.
(3) Sanitary improvements.

44. *Miscellaneous and Sanitary improvements.*—The total unexpended balance under these heads was Rs. 1,474.

Out of the total expenditure of Rs. 1,28,600, Rs. 19,528 were spent on tanks and wells; Rs. 33,020 on drainage, irrigation and embankments; Rs. 34,188 on roads and bridges, and the remainder on miscellaneous works, including tree-planting.

45. The amount available in the year for improvements in Government estates was considerably reduced, in comparison with previous years, by the necessity of repaying the large sums borrowed in 1907-08. The balance was further diminished by the amounts which had to be expended on works of an abnormal character. A large sum diverted for famine relief in Banki was an unforeseen and, it may be hoped, a non-recurring expense; but there are still less legitimate permanent drains on the fund in the case of the urban areas of Cuttack and Rishra, and the ordinary work of district administration in Angul and Banki. These, and the very heavy expenditure required in connection with embankment and drainage operations in the estates in Midnapore, Khulna and the Sundarbans, will shortly form the subject of a reference to Government in which it will be proposed that such projects should be dealt with apart from the ordinary improvement grant. Under the present system funds are not available for these classes of estates, and the unavoidable expenditure which they require unduly restricts necessary operations in less abnormal areas.

Education.

46. The total expenditure on education in Government estates was Rs. 51,609 as against a Government grant of Rs. 49,984. The excess expenditure occurred in Cuttack and Balasore, where it was met from the primary education and local grants.

The numbers of the schools and pupils are 1,824 and 55,207 as against 1,794 and 52,951, respectively, in 1907-08. An analysis of the figures relating to each division shows an increase in the number of schools in the Burdwan (86), Orissa (29), Presidency (1) and Patna (1) Divisions. The increase in pupils occurred in the Burdwan (2,586), Orissa (1,750), Presidency (274) and Patna (19) Divisions; while the decrease is shared between the Chota Nagpur (501) and Bhagalpur (1,872) Divisions. The largest increase in schools and pupils was in Midnapore, where there were 90 schools and 2,815 pupils more than in the year 1907-08. The increase under the same head in the Orissa Division is chiefly due to the fact that a grant, amounting to Rs. 1,636, was for the first time assigned for education in the district of Sambalpur. By means of this 30 lower-aided primary schools were started at the beginning of the year. Towards its close the number of pupils on the rolls was 1,634, of whom 164 were girls. The grant was fully spent in giving monthly stipends to the teachers and in supplementary allowances to them at the end of the year. The Divisional Commissioner reports that the villagers have shown practical interest in the schools by making sacrifices for their support. The apparent decrease in scholars (1,872) in the Bhagalpur Division is ascribed to the report of incorrect figures by the Collector of Bhagalpur for the year 1907-08, the number of pupils in that year having been 133 only and not 278, and to the inclusion in the Darjeeling report of 1907-08 of figures relating to schools other than those established in Government estates from the 1 per cent. grant. The decrease of 501 pupils in Chota Nagpur is attributed to the bad harvests of the last two years in Singhbhum. In Banki 12 schools having 116 pupils were closed owing to the scarcity which prevailed there. In Angul the number of schools increased from 10 to 14, and the number of pupils from 457 to 489, of whom 245 were boys. In Palamau the Deputy Commissioner reports that among the well-managed, well conducted and well-attended schools in the district, the schools in the khas mahals stand out prominently; and that they are the best institutions of their kind and are doing much good. In Singhbhum the new Deputy Collector in charge of the Kolhan is paying much attention to the improvement of education among the Hos.

**Roads and Communications.**

47. The expenditure on roads and communications in Government estates amounted to Rs. 1,34,111 as against the Government grant of Rs. 80,244. The expenditure exceeded the grant in all divisions except those of the Presidency, Tirhut, and Chota Nagpur. The excess was provided from district board, municipal or other local funds. On the other hand, the expenditure fell short of the grants in the districts of Burdwan, Nadia, Patna, Gaya, Darbhanga and Saran.

**Inspection of Accounts.**

48. The Commissioners report that the inspections of accounts of Government estates have been generally adequate. The following were the only instances of material irregularities brought to light:—

In Contai one tahsildar was dismissed for taking illegal gratifications, and another suspended for one year for unusual delay in remitting his collections. Another tahsildar was suspended for the same period for failing to keep the accounts properly and regularly, and some, who were found to have written up their registers improperly, were censured or warned. In the Nawadah subdivision, in the district of Gaya, some cases of misappropriation were detected in 1907-08. One of the gomashtas was dismissed, and a patwari, who was prosecuted, was sentenced during the year under report to rigorous imprisonment for four years. In Monghyr the khas mahal officer, in the course of his inspection of the tahsil office of Binda Diara Shamali, noticed that there were two statements relating to the remission of the rents of diluviated lands, viz., one originally proposed by the amin and adopted in granting remissions, and the other subsequently forged by the amin, the tahsildar, and the patwari in collusion and substituted for the original one. The forged statement contained many alterations, and the registers were altered to correspond with these forgeries. Proceedings were drawn up against the culprits, which ended in their dismissal. In Kotdesh in Puri certain irregularities were discovered in the accounts, and the tahsil amins responsible for them were punished.

Condition of raiyats in Government estates.

49. The condition of the raiyats in the Government estates in the Burdwan Division was generally fair. In Midnapore the tenants were distressed during the first nine months of the year owing to the poor winter rice harvest of the previous year, but they enjoyed good crops later on and their condition improved. The public health was generally good, but towards the end of the year small-pox appeared in several villages. The condition of the tenants in the Presidency Division was not satisfactory in the first half of the year. There was some improvement later on, as the harvests were better than in 1907-08, especially in the 24-Parganas and Khulna. Agriculturists' loans were freely given. Chronic indebtedness among the resident raiyats of the Manigram estate in Murshidabad resulted in a number of sales of holdings to outsiders. There was an outbreak of cholera among the tenants in Jessore, which is attributed to the scarcity of good drinking-water.

50. In the Patna Division the year under review was not a prosperous one. The consequences of the high prices of food-grains which ruled throughout the year in all the districts affected the tenants of the Government estates also; but in other respects they had a fair year. In the district of Patna in the Bihar subdivision the tenants generally suffered some distress owing to the bad outturn of the crops, while those in the Barh, Dinapore, Sadar and City subdivisions were in a comparatively prosperous condition, as the outturn of the *rabi* crop was not much below the average. In the Sadar subdivision of Gaya, the condition of the tenants of the cash-rent estates was satisfactory. In the produce-rent circles the condition of the tenants was less favourable; and in Pathra and Nawadih the failure of crops, occasioned by the continuous droughts of the last three years, has caused some hardship. The tenants of the Chakrabandha circle suffered considerably on account of the slackness of the lac trade and the damage done to the *mahua* crop, from which much of their income is derived. In the Nawadah subdivision the condition of the raiyats was unsatisfactory owing to the entire failure of the paddy crop; in the Jehanabad subdivision it was generally good. In Shahabad the condition of the tenantry was on the whole good, except in some estates of the Sasaram subdivision and in the hilly portions of the Bhabua subdivision, where severe distress was experienced on account of the failure of the paddy crop owing to want of rain.

51. The condition of the khas mahal raiyats was not really good in any district of the Bhagalpur Division. In Monghyr the tenants of the *diara* khas mahals had a better season than those elsewhere in the district. In the town khas mahals of Monghyr, the tenants suffered to some extent from outbreaks of plague and small-pox. In Bhagalpur the condition of the raiyats of the Sadar and Madhipura subdivisions was more satisfactory than that of the tenants of the Supaul subdivision. In Purnea it was not good; but although scarcity prevailed in the Government estates, there was no distress. In Darjeeling, in the Terai jote khas mahals, conditions were scarcely more than fair. From an agricultural point of view the year was not a prosperous one. The outturn of the winter rice crop was poor, and there was a considerable fall in the price of jute. In the Sonthal Parganas the year was everywhere unfavourable. The Deputy Commissioner writes:—

"The *mahua* crop of 1908 failed; and as it had been preceded by a poor winter rice crop in Dumka and East Deoghar, where the standard of prosperity is lower than elsewhere, it is no exaggeration to say that, in July and August, this part of the district wa on the verge of famine. The *bhadai* crops, though not abundant were harvested in time to save the situation. The winter rice crop was again disappointing."

Much relief was given by the grant of agriculturists' loans on a liberal scale; and the issue of land improvement loans provided the means of employment to large numbers of labourers. It is stated that the grain golas in the Damin have been of material help to poor agriculturists. In Purnea many raiyats deserted in estate Bhelwa Harinkhari. They had come there on speculation; but as the rains failed they went away. Of the nineteen cases of desertion in Darjeeling, seven occurred in the West Tista khas mahals, nine in Kalimpong, and three in the Cart Road Reserve lands. There

were fifteen cases of desertion in the Sonthal Parganas, which were probably occasioned by the prospect of high wages elsewhere.

In the Tirhut Division the general condition of khas mahal raiyats in Darbhanga was poor owing to famine and scarcity of water; and the collection of rents was seriously affected. In Saran their condition was satisfactory.

52. The condition of the tenants in the Orissa Division was fairly good. In Cuttack the failure of crops in previous years, which raised the price of food, the prevalence of cholera and other epidemic diseases, affected the condition of the raiyats during the first half of the year; but prospects improved when the *bhadai* and early rice were harvested. Agriculturists' loans, amounting to Rs. 5,600, were advanced to the raiyats during the year. A sum of Rs. 4,065 was spent in repairing agricultural tanks and *bandhs* to provide labour to distressed people, while gratuitous relief was given to those unfit for work until the month of October. In Balasore the matters were on the whole satisfactory, and the raiyats recovered quickly from the effects of the agricultural distress of the previous year. In the Khurda Government estate the condition of the tenantry was generally good, except in portions of Banpur and Balbhandrapur, where the outturn of the *laghu* crop was poor owing to the cessation of rain in October and November, and the *sarad* crop failed, owing to the floods of the Daya river. A number of raiyats of Balbhandrapur left their homes for Calcutta in the hope of earning better wages. The residents of Kotdesh and Kodhar also suffered from the effects of floods and drought, and it was necessary to advance agricultural loans (which amounted to Rs. 7,477) to the raiyats of the latter estate. Four co-operative credit societies have been established in Khurda and Kotdesh; but the work they do is very trifling, and is capable of much further development. In Angul a succession of bad harvests for the past two years and the high prices of food-grains affected the prosperity of the cultivators of small holdings and the labouring classes. The well-to-do cultivators and grain-dealers made large profits by selling their grain at high prices. In Sambalpur the condition of the raiyats of the villages in the Government estates was on the whole fair.

53. In Chota Nagpur the general condition of the raiyats in the Hazaribagh khas mahals was good, and there was no case of desertion during the year. In Ranchi it was fair. The crops were normal, but cholera and small-pox raged in most of the villages of the Ranchi thana during the rainy season. In Palamau the end of the year 1907-08 was marked by a considerable failure of crops. The winter rice crop of 1908-09 also partially failed in the Daltonganj and Lesliganj circles. But, as in the preceding year, the Government raiyats enjoyed the results of the very close attention given to the estate in recent years, and were enabled to meet their difficulties. Had the price of lac been as high as usual, they would have been on the whole prosperous. Agriculturists' and land improvement loans were freely granted, and it is reported that the distribution of these loans has ousted private money-lenders from the estate. There were altogether 151 relinquishments and 317 desertions during the year. The increase in the number of relinquishments was chiefly due to the fact that several *pahi* raiyats of jagir villages amicably gave up their holdings in favour of tenants permanently residing in the Government villages. The increase in desertion is attributed to the activity of the emigration agents; but in many of these so-called cases of desertion the raiyats merely left one Government village for another. Seventy new families came from *jagirdari* villages and settled in the Government estate. In the Kolhan in Singhbhum, the raiyats suffered from scarcity in the early part of the year; but the excellent rice harvest, which was general over the district, enabled them to recover their position. There were few desertions and comparatively little emigration to the neighbouring native states and to the tea districts.

Surveys.

54. In his report for the year ending the 30th September 1908, the Superintendent of Provincial Surveys, Bengal (now Director of Surveys, Bengal) furnished an account of the traverse surveys carried out by professional agency under him in the districts of Midnapore (Jhargram estate), Hooghly (Chinsura khas

mahal), Patna, Shahabad, Ranchi, Singhbhum and Manbhum. The corresponding report submitted by the Director of Land Records gives information regarding the cadastral settlement surveys carried out under his supervision. Under the control of the Commissioners of divisions, survey proceedings were carried out in many districts by non-professional agencies in connection with the settlement of minor areas. Of these the most important were in the districts of Hooghly, Bankura, Nadia, Murshidabad and Midnapore.

Burdwan.

Survey of the *chaukidari chakran* and *phanridari* lands.

55. During the year the survey of the *chaukidari chakran* and *phanridari* lands has been completed in respect of the four remaining thanas in Burdwan.

Settlement.

56. The settlement operations under the control of the Director of Land Records have been described in his report for the year ending on the 30th September 1908.

The financial results of these settlements have been combined with those of the settlements carried on under the supervision of the District officers and Commissioners of divisions, and are shown in Appendix XI to the present report. The operations yielded a net increase of Rs. 1,06,765 in the revenue demand. The principal contributory items were the original settlement of the accretions in the Damodar in the districts of Burdwan (Rs. 5,146) and Bankura (Rs. 3,856), the original settlements (Rs. 9,099) and re-settlements (Rs. 11,851) in the Sundarbans tracts, the re-settlement of the West Tista khas mahal in the district of Darjeeling (Rs. 3,629), the re-settlements in Hooghly (Rs. 2,975), in Shahabad (Rs. 37,244), in Midnapore (Rs. 15,078), the Angul estate (Rs. 13,245), the summary settlement of the diara accretions in Patna (Rs. 2,000), and the fisheries in Muzaffarpur (Rs. 2,806). During the year 1,405 cases of settlements were disposed of, and 287 cases were left unfinished.

Settlements, under the Bengal Tenancy Act, of Government estates, carried out under the supervision of Commissioners.

The details of the settlements of Government estates carried out under the Bengal Tenancy Act during the year under the supervision of the Commissioners of divisions are shown in Appendix XII. An area of 85,443 acres, with 14,137 tenants, and lying in 153 villages, was under settlement, chiefly in the Sundarbans, the 24-Parganas, Gaya, Burdwan, and Hooghly. The total expenditure incurred during the year on account of these survey and settlement operations amounted to Rs. 12,267.

Bankura.

Settlement of *ghatwali* lands

57. At the close of the preceding year, 38 of these tenures remained unsettled. Of these 13 were disposed of during the year; and one is in progress. In the remainder the *ghatwals* and the proprietors have refused to accept settlement, and it has been decided by the Board that the cases should be kept in abeyance until the advent of the general survey and settlement operations in the district.

Bankura.

Settlement of the *simanadari* lands.

58. Two more tenures have been added during the year to the list of these cases, making a total of 362 tenures. The execution of the necessary indentures between Government and the proprietors is in progress. As regards the execution of *pattas* and *kabuliyats* between the *simanadars* and the proprietors, it had been completed in respect of 323 tenures up to the close of the previous year, and during the year under review six more cases were disposed of; the execution of the documents in the remaining 33 cases is being delayed by the proprietors.

Irrigation and Drainage.

59. The large irrigation schemes maintained by the Public Works Department and the irrigation reservoirs, tanks and wells in Government estates maintained from the improvement grant are not noticed here.

60. *Burdwan Division.*—In Midnapore the Horekhali and Chunamara khals were cleared of silt by the Public Works Department. The Daudpur Silampur drainage cut was completed, and the work of the Argoal drainage project was in progress. In the Tamluk subdivision some khals were cleared of silt by the Mahisadal Raj. In Hooghly the progress made in recovering the

advances connected with the Howrah and Rajapur schemes is explained in the statement below :—

| SCHEME. | Original demand. | Revised demand. | Balance as accepted by Accountant-General, Bengal, after adjustment of accounts. | Amount realised up to the end of 1908-09. | Amount remaining to be realised. | Amount to be refunded. | Amount actually refunded. | Balance remaining to be refunded. |
|---|---|---|---|---|---|---|---|---|
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Howrah ... | 6,44,099 | 5,35,776 | 22,299 | 7,24[illegible] | 15,055 | 82,899 | 68,754 | 14,145 |
| Rajapur ... | 17,07,424 | 14,97,349 | 2,75,702 | 1,65,957 | 1,09,745 | 39,777 | 17,474 | 22,303 |

Of the ten estates in Hooghly managed *khas* under section 39 of the Drainage Act, three were released on the realisation of all drainage dues.

61. *Presidency Division.*—In the 24-Parganas the Magrahat drainage scheme is under construction, and fair progress was made in the year. Detailed estimates have been prepared of a drainage scheme for Bagjala, and a similar scheme for Mahamaya is being considered as a *takavi* work. In Nadia technical errors in procedure on the part of the new Committee delayed the scheme for the drainage of the Charuikol swamp. In Murshidabad a drainage scheme for Berhampur is being considered. In Jessore preliminary work is in progress in connection with a project to drain the Bhairab Valley.

62. *Patna Division.*—The question of the construction of a dam across the new branch of the Phalgu river is still under consideration.

63. *Tirhut Division.*—A dam across the Kamla river was constructed during the year by Mr. R. S. King with the Collector's permission, and proved of great value in irrigating a large area. Well-boring experiments were conducted in the districts of Muzaffarpur and Darbhanga. In the latter district the results are not satisfactory, but in Muzaffarpur the operations have been very successful, and have to some extent modified the effects of the water scarcity.

64. *Bhagalpur Division.*—In South Bhagalpur the Gerua Bandh greatly benefited the crops in an area where otherwise practically no crops would grow. In this division the only important new works were drainage works at Rajmahal and Hiranpur Bazar in the Sonthal Parganas. A large number of new projects are under consideration, which are intended to protect the precarious tracts of North Bhagalpur.

65. *Orissa Division.*—In Cuttack a number of improvements are being made in existing canals, and numerous reservoirs were improved in Banki during the period of scarcity. Similar work was undertaken in Angul also. In Puri a large drainage scheme is in progress, estimated to cost Rs. 2,29,838, towards which Government is giving Rs. 75,000 and lending Rs. 50,000.

66. *Chota Nagpur Division.*—In Palamau the chief original works taken up during the year were the improvement of the Nadaura and Margarwa schemes and the construction of the Sadabah weir. Elsewhere there was nothing of importance.

Embankments.

Burdwan Division.

67. The 53 miles of Government embankment on the bank of the Damodar and 22 miles on the bank of the Ajai in the district of Burdwan were efficiently maintained during the year. There were no high floods in these rivers during the year. In Midnapore there were 21 embankments as against 26 of the previous year, the accounts of 5 having been closed. Of these 19 are maintained under the contract system, and two by the apportionment of the actual expenditure incurred by the Public Works Department. In Hooghly a total expenditure of Rs. 48,406 had been incurred on the four projects: (1) Kumrul sluice, (2) Madaria khal left embankment, (3) Maya Chak sluice and (4) Rampur west drainage cut. Out of this sum Rs. 34,131 have been realised, leaving a balance of Rs. 14,275. Of this Rs. 14,198 was due from the Burdwan Raj on account of the Madaria khal, and this sum has since been written off under the orders of Government. The remodelling of the zamindari embankment on the left bank of the

Madaria khal from Penro to Dilakas, which will cost Rs. 24,431, is still in progress. Portions of the Chakkasi and Champa khal embankments have been taken over by the Public Works Department.

Presidency Division.

68. In the 24-Parganas the total length of Schedule D embankment, remained the same as in the preceding years namely, a little over 206 miles. In these embankments there were 77 sluices, of which 27 are *takavi* sluices, maintained at the cost of zamindars, and the remainder are maintained by Government. The embankments and sluices are reported to be in good order. The construction of three small retired embankments—two in Narainpur and one in Bansara—was commenced towards the end of the year. The repair of the laterite revetment at Diamond Harbour, which was damaged by the cyclone of 1907, was completed during the year. The majority of the zamindari embankments are not properly kept up in Murshidabad. The Collector has warned the proprietors that unless the embankments are kept in good order the payment of *pulbandi* will be stopped. In Jessore it is now proposed to take up the project for the construction of a sluice at the mouth of the river Atharabanki. In Khulna the embankments in the Government estates were maintained in a fairly good condition.

Patna Division.

69. A new embankment is under construction in the Ghora Katora Government estate in Patna, intended for the storage of water for irrigation purposes.

Tirhut Division.

70. The Gandak embankment, which runs through all four districts in this division, is maintained by the Revenue Department under the contract system. The present contract is for 20 years. The table below gives the current account of the embankment cess:—

| District. | Demand. | | | Collection. | Remission. | Adjusted from previous advance collections. | Balance. |
|---|---|---|---|---|---|---|---|
| | Arrear. | Current. | Total. | | | | |
| | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. |
| Muzaffarpur ... | 6,077 | 8,308 | 14,385 | 6,999 | ... | 1,350 | 6,036 |
| Darbhanga ... | 1,686 | 2,115 | 3,801 | 1,603 | ... | 147 | 2,051 |
| Champaran ... | 575 | 20,009 | 20 584 | 16,974 | ... | 30 | 3,580 |
| Saran ... | 8,268 | 23,524 | 31,792 | 19,388 | ... | 2,941 | 9,463 |
| Total ... | 16,606 | 53956 | 70,562 | 44,964 | ... | 4,468 | 21,130 |

The results are disappointing in the case of Saran, which suffered from agricultural distress less than the other districts, and should have had smaller arrears. The other embankments in this division are the Turki and Dáudpur embankments in Muzaffarpur and the Ganges embankment in Darbhanga. These are maintained under the *takavi* system.

Bhagalpur Division.

71. There are three public embankments maintained by Government in this division, viz., (1) the Monghyr embankment, (2) the Chandan embankment, (3) the Belwa embankment, all of which were kept in good repair. A proposal to bring under the Embankment Act the Gupta and Gagri bunds of North Monghyr was sanctioned by Government, and their construction is now being considered by the Irrigation Department. Considerable progress has been made in respect of the Tiljuga embankment in Bhagalpur, which is being made as a famine-relief work. Since September 1908 from 1,500 to 3,000 people have been employed daily and 15 miles have been completed; other large embankment works are being carried on by private zamindars on the same river and its branches.

Orissa Division.

72. There are 24 embankments in Balasore, under the charge of the Public Works Department, and maintained at the cost of Government, of which the total length is 80 miles. The question of abandonment of the Panchpolli embankment is still under consideration. The question of the further development of

the system of protective embankments remains undecided. The Jamunda embankment has been raised to its former height above the high flood level, and there is a proposal for extending it half a mile further. In Puri a number of sluices were constructed during the year. There are no embankments in Angul or Sambalpur.

73. A sum of Rs. 256 was expended under this head in Ranchi. Elsewhere nothing was spent.

Chota Nagpur Division.

74. The following orders were passed during the year for the relief of petty proprietors who were previously liable to pay small sums in respect of embankments:—

"Government accepts the proposal to abolish all current demands on account of embankment cess for an estate or a separate account, which are less in each case than 4 annas a year. It is estimated that the loss to Government caused thereby will not exceed Rs. 2,000 a year, while nearly 69,000 proprietors will be benefited."

Land Registration.

75. The intermediate registrations effected during the year under Bengal Act VII of 1876 and the percentage their number bears to existing interests are shown in Appendix XXXIII. At the close of 1907-08 the total number of proprietary interests in land entered under section 38 of the Act in the registers of the province (excluding Sambalpur) amounted to 1,050,231. The applications made during the year for succession to interests, whether by purchase, inheritance, gift or otherwise, amounted to 56,857. Out of the cases disposed of during the year, 55,981 were allowed, amounting to 5·3 per cent. of the total number of interests as it stood at the beginning of the year. The percentage was highest in the Bhagalpur Division (6·6) and lowest in the Orissa Division (3·7). Inclusive of the number of substitutions by succession stated above, the number of existing interests removed and that of new interests recorded were 71,789 and 87,091 respectively. The resulting total number of interests at the close of the year was 1,065,533. Including 16,548 cases pending from the previous year, the total number of applications for disposal was 73,405. Out of these 61,252 were disposed of as against 66,916 in the previous year.

76. In Sambalpur mutations of proprietary rights are registered under section 125 of the Central Provinces Land Revenue Act, XVIII of 1881, and rules framed under that Act.

77. In the districts in which the decrease in applications was most marked the following explanations have been offered. In Bankura it is ascribed to the completion of cess revaluation work, and to the receipt of fewer reports of transfers from the civil courts and sub-registrars. In Murshidabad it is ascribed to the approaching completion of the cess revaluation and the consequent diminution of applications received from that office. In Patna inquiries about transfers had been made through the *panchayats*, each part of the district being taken up in turn. By the end of 1907-08 these inquiries had extended to the whole district and were accordingly discontinued. In Saran the number of the preceding year had been swollen by discoveries of proprietors entered in cess revaluation papers, but not recorded in Register D. In Monghyr the decrease was mainly due to the completion of the comparison of Register D with the record-of-rights in respect of estates in the northern portion of the district. In Purnea there had been abnormal activity in the registration of the preceding years as a result of the record-of rights. The decrease in Balasore is probably due to the completion of attestation work in the revisional settlement proceedings during the year.

78. The most important increases were in the following districts. In Midnapore vigorous action was taken to improve land registration by making regular inquiries in the case of estates for which no mutation had been recorded for the last ten years. Similar special inquiries were started with similar results in Nadia and Jessore also. In Cuttack there was a large number of transfers in proprietary rights owing to the high price of food-grains during the year. Moreover, the practice followed in the revisional settlement proceedings of requiring parties to file certified copies of extracts from Register D before their names can be entered in the record-of-rights increased the number of applications. In Puri also there was an increases in

the number of transfers of proprietary rights owing to the prevailing scarcity and distress.

79. It is reported from all districts that the registers prescribed under the Act are in good condition. The proposal to abolish Registers A and B, Part I, which was recommended by the Ministerial Officers' Salaries Committee, has been rejected. All the forms of land registration registers A to D are in course of revision, and the registers will be gradually re-written as funds permit.

80. The lists of transfers of estates were regularly received from the registration offices, land acquisition offices and certificate departments of the Collectorates. As regards the Civil Courts, complaints were received from certain Collectors that these lists were not being received regularly, and such revised arrangements have now been made as will tend to obviate delay in the future. A fresh procedure was also prescribed during the year for the prompt disposal of reports of transfers.

81. During the year new rules were issued by the Board providing for the creation of a separate staff to be employed exclusively on land registration work. These rules apply to all districts where mutations are at all numerous. Collectors have been empowered to increase or diminish this staff in accordance with a sliding scale based on the number of cases.

82. The expenditure on account of land registration work during the year amounted to Rs. 9,291 as against Rs. 13,3.6 in the preceding year. It was specially heavy in Cuttack, Darbhanga and Muzaffarpur. The fees realized amounted to Rs. 3,922 as against Rs. 3,497 in 1907-08.

83. The number of appeals or applications for revision presented to the Board under section 85 was 26 as against 21 in the preceding year. Of these, 23 were rejected, 2 granted and 1 is pending.

* * * * * * *

Separate accounts of land revenue payments opened for shares under Act XI of 1859, and Bengal Act VII of 1876.

Appendix XIV.

85. During the year 2,802 separate accounts were opened, and at the close of the year there were 86,220 separate accounts paying a revenue demand of Rs. 76,30,766. Out of these 60,303 accounts were for shares in joint estates held in common tenancy (under section 10 of Act XI of 1859); 6,292 were for shares representing specific portions of land in estates (under section 11 of the same Act) and 19,625 were for shares consisting of undivided interests in specific lands (under section 70 of Bengal Act VII of 1876). The number of separate accounts closed by the sale of parent estates was 743, the revenue concerned being Rs. 1,22,335. The imposition of some limit upon the right to open a separate account is still under the consideration of the Board.

Registration of tenures under Act XI of 1859.

Appendix XV.

86. There was no case of registration of a tenure during the year for protection against annulment in the event of the sale of the parent estate for arrears of revenue under Act XI of 1859.

Partitions.

Appendix XXXII.

87. The year under review shows a slight decrease in the total number of institutions as compared with those of the preceding year, which is due to the suspension of institutions in the Patna district on account of the survey and settlement proceedings. Institutions increased in Champaran, Muzaffarpur, Monghyr, Bhagalpur, Jessore and Sambalpur, the increase being largest in Muzaffarpur and Sambalpur. Disposals have exceeded the institutions; and the result of the year's work is a net decrease of the pending file by 45 cases. There was an increase in the number of disposals in all districts except Saran, Champaran, Muzaffarpur and Monghyr, where a decrease occurred. In Saran only three cases were disposed of as against 21 in the preceding year. The Collector explains that many cases had to be retained in the file merely for the passing of an order declaring the total cost of partition under section 40 and if these cases could be added, the number of disposals would have risen to 27 cases equivalent to 18 per cent. of the total number to be disposed of. The pending files were considerably reduced in Patna, Shahabad, Darbhanga and Cuttack, but they noticeably

increased in Gaya, Saran, Jessore and Sambalpur owing to institutions being substantially in excess of the disposals.

88. The following particulars regarding the state of the pending files have been furnished by the Commissioners:—

*Patna Division.*—The largest number of cases was pending in Shahabad, viz., 137; of these, 73 cases are more than two years' old and 25 of these cases are in advanced stages of progress. In Gaya 50 cases have been pending for more than two years; of these, five have already been confirmed by the Commissioner and one is under delivery of possession. Of the 69 cases pending in Patna, 29 have lasted for more than two years and nine of them are under delivery of possession.

*Tirhut Division.*—In this division, the largest number of cases was pending in Muzaffarpur, viz., 156; of these, 10 cases are under confirmation by the Commissioner and 6 under delivery of possession. Sixty-nine cases in this district are more than two years' old. The cases which have been pending for more than two years in the other districts of the division are distributed as follows:—Darbhanga 47, Champaran 6 and Saran 112. The cases in Saran appear to require the special attention of the Collector.

*Bhagalpur Division.*—In Monghyr, the disposals did not quite keep pace with the institutions. The Commissioner is, however, of opinion that the decrease has been fully compensated by the fact that 26 cases were submitted to him for confirmation. In this district, there is no immediate prospect of reduction in the number of partition cases, for a large number of new applications is expected as soon as the survey and settlement operations are completed in South Monghyr.

The progress made in the disposal of partition cases in Bhagalpur during the year under review was satisfactory. The only case now pending in Purnea relates to estate Surjapur which contains 762 villages and covers an area of 426,190 acres; the proceedings in this case are in an early stage.

The oldest cases now pending in the division are those of Estates Pachna, Tauzi Nos. 2314 and 2306 in the district of Monghyr, in respect of which partition proceedings were instituted in January 1894. The objections filed in the cases before the Commissioner have since been disposed of and the papers returned to the Collector for certain modifications.

*Presidency Division.*—Most of the pending cases in this division are in the district of Jessore. Of the 11 oldest cases 3 have been practically concluded and are pending adjustment of accounts under section 40; 4 cases have been confirmed by the Commissioner and 1 case is under confirmation. There were practically only five cases to be dealt with by the Deputy Collector at the end of the year, of which one is nearing completion and the remaining four are new cases.

*Orissa Division.*—In Orissa, good progress is specially noticeable in Cuttack, which shows the largest number of disposals in the year. Of the 52 cases pending in this district, 9 are before, or are ready for submission to, the Commissioner under section 61; 8 are under confirmation by the Commissioner under section 91 and 4 are in the section 94 stage. In Balasore, more cases were disposed of than in the preceding year; of the 28 cases pending in this district, 4 have been confirmed by the Commissioner, 1 has been submitted to the Commissioner for confirmation and 5 cases will shortly be sent up for confirmation.

In Cuttack and Balasore, partition cases are now more promptly dealt with and it is reported that nearly all the old cases have been worked off and that the average duration of cases is perceptibly decreasing. Great improvements are said to have been effected in Cuttack where the progress made in the disposal of partition cases has generally improved as compared with former years. In Puri, where partition cases are very few, some improvement appears to have been effected in dealing with the cases and adjournments are not so freely granted as formerly; but there is room for further improvement.

In Sambalpur, where partitions are effected under the Central Provinces Land Revenue Act, XVIII of 1881, the disposal of partition cases is reported to be much facilitated by the existence of an up-to-date record-of-rights and by utilising the services of Patwaris.

The Commissioner of Orissa (Mr. E. V. Levingo) writes :—

"Generally, I have noticed in my inspections some improvement in the work of the different partition offices. There is still room for further improvement; but compared with the chaotic state of the offices a few years ago and the utter absence of method in dealing with partition cases, the change to-day is very noticeable."

The districts of the Tirhut division, except Champaran, and the districts of Shahabad, Monghyr and Cuttack had whole-time officers employed on partition work during the year. In each of the districts of Patna, Jessore and Purnea, a Deputy Collector was employed for half of his time on partition. In Gaya, a part-time Deputy Collector was employed on the work; in other districts, this work was carried on by Deputy Collectors of the general line.

Average cost.

89. The average cost per acre of partitions completed during the year in the Patna, Tirhut and Bhagalpur divisions varied from annas 2-9 in Muzaffarpur district and annas 4-3 in Purnea district to Re. 1-6-5 in Patna and Re. 1-3 in Saran. The increased rate of cost in Patna appears to be due to inclusion of the oldest case of the district which was disposed of during the year. The increase of the rate in Saran has not been explained. In Cuttack and Balasore, the cost was annas 7-6 and annas 3 per acre against annas 9-10 and annas 6, respectively, in the preceding year.

Partition Fund Accounts.

90. Estates partition funds exist in the districts of Jessore, Cuttack, Monghyr, Bhagalpur, Patna, Gaya, Shahabad and in all the districts of the Tirhut division, except Champaran. The accounts of all these districts, except Monghyr, Bhagalpur, Patna, Cuttack and Darbhanga were audited by the Examiner of Local Accounts during the year under report; and it is understood that the batwara accounts in Monghyr, Bhagalpur, Patna, Cuttack and Darbhanga, which were last examined during the preceding year, will shortly be audited by the Examiner. The question of putting the partition accounts generally on a sound basis has engaged the attention of the Board for some time past and they have issued detailed instructions for adjusting the accounts in districts in which confusion has been reported to exist.

It was mentioned in paragraph 100 of the preceding year's report that large frauds had been discovered in the batwara accounts of Muzaffarpur; and some further embezzlements have since been detected in this district as to which reports have been submitted to Government in the Financial Department.

After consulting Commissioners of Divisions, the Board are at present considering how the existing rules and forms relating to the keeping of batwara accounts should be revised and how the present system of auditing these accounts can be improved.

The partition accounts of the districts which have not got partition funds were audited by the Treasury Officers concerned and were found to be generally correct.

Working of the Estates Partition Act of 1897.

91. The reports indicate that the Act of 1897 continues to work smoothly. No case of enhancement of rents by landlords made immediately after a partition has been reported. The Collector of Shahabad writes :—

"The principal feature of the new Partition Law, Act V (B.C.) of 1897, is the preparation of a record-of-rights preliminary to the division of the estate among the proprietors. This necessarily sets up strife between the landlords and the tenants and the former are loth to institute a partition except when the estate is thrown into confusion by friction among themselves. Under the old law, the tenants stood in the position of indifferent spectators just as is the case now in a partition by Civil Court and hence the batwara file used to be heavier before 1897 than it has been since then. But the landlords have now grown reconciled to the new law and it cannot be said that it does not find favour with them. At any rate, it is preferred by the general body of proprietors to a partition by the Civil Court."

The question of expediting batwara work and of assimilating the Bengal procedure in batwara cases to that of the United Provinces, which was mentioned in paragraph 9 of the Government Resolution on the preceding year's report, continued to engage the attention of the Board during the year.

In order to expedite this work, they have in recent years insisted upon a more careful selection of batwara amins and have raised the permissible

remuneration of amins. Part of the batwara establishment has been put on a permanent footing. Check by the Deputy Collector of the amin's work has been insisted on, and officers have been instructed not to allow adjournments too readily and to check dilatory tactics of parties. It has also been laid down that the Deputy Collector should fix dates in each case by which proceedings at each stage should be completed. In 1906 a revised form of certificate was prescribed requiring the Deputy Collector to analyse individual cases in which undue delay takes place; and it was anticipated that the revised return would provide Collectors with adequate means whereby to check delays.

The Commissioners of divisions generally report that the progress made in disposal of batwara cases has improved as compared with former years, that the average duration of cases is decreasing and that old cases are being worked off. It is recognised that there is room for further improvement in this branch of work and it will continue to receive their special attention.

Land Acquisition.

Appendix XVI.

92. Proceedings for the acquisition on behalf of Government or local bodies and companies, of land covering an area of 12,443 acres, were confirmed during the year at a total cost of Rs. 91,04,797 as compared with an area of 10,172 acres, costing Rs. 70,64,759 during the preceding year. Detailed particulars of each district are given in Appendix XVI. The abatements of annual revenue allowed on account of the lands acquired for Government purposes, including State railways, amounted to Rs. 1,165-3-9, and a sum of Rs. 41,138-13-3 was paid to Government on account of the capitalized value of the Government revenue, amounting to Rs. 1,646 0-1 abated for lands taken up for local bodies and companies.

Of the total expenditure incurred, Rs. 41,21,819 were for acquisition of lands for Government purposes, including those of State railways, and Rs. 41,82,978 for all other purposes, viz., those of District Boards, Municipalities, Port Commissioners, Railway Companies, etc. Of the projects in which proceedings were confirmed during the year, the following may be specially mentioned, as the cost in each case amounted to over a lakh of rupees:—

| | | Rs. |
|---|---|---|
| 1. | Civil Officers' quarters at Sadhanpur, Burdwan ... | 1,13,112 |
| 2. | Ondal-Sainthia Chord Railway from miles 14 to 44 ... | 2,30,201 |
| 3. | Construction of a new jail, police lines and official residences, etc., at Ramkrishnapur, Howrah ... ... | 3,78,257 |
| 4. | Site of the Reserve Police Barrack at Sibpur, Howrah ... | 2,55,286 |
| 5. | Government brickfield at Abhaynagar near Bally, Howrah ... ... ... .. | 3,12,638 |
| 6. | East Indian Railway Company's marshalling yard at Lilloah, Howrah ... ... ... ... | 1,65,245 |
| 7. | Construction of the Santragachi-Howrah Section of the Calcutta-Midnapore-Cuttack Extension of the Bengal-Nagpur Railway in Howrah ... ... ... | 5,87,909 |
| 8. | East Indian Railway Company's zone of safety for sanitary purposes at Lillooah Station, Howrah ... | 2,21,866 |
| 9. | Construction of the Shalimar Branch of the Calcutta-Midnapore-Cuttack Extension of the Bengal-Nagpur Railway in Howrah ... ... ... | 5,52,735 |
| 10. | Extension of the Foundry and Shell Factory at Cossipore | 1,71,641 |
| 11. | Works to be constructed and carried out by the Port Commissioners in the village of Muchikola, Garden Reach, 24-Parganas ... ... ... | 6,42,433 |
| 12. | Offices and quarters for the Viceregal establishment in Calcutta ... ... ... ... | 10,09,588 |
| 13. | New quarters for nurses in connection with the Medical College Hospital, Calcutta ... ... ... | 1,82,024 |
| 14. | New surgical block and its subsidiary buildings in the Medical College Hospital, Calcutta ... ... | 4,71,366 |
| 15. | Paying patients' block in the Medical College Hospital, Calcutta ... ... ... ... | 1,46,590 |

| | | Rs. |
|---|---|---|
| 16. | Extension of the premises of the Bank of Bengal in Calcutta ... ... ... ... | 3,00,194 |
| 17. | Extension of Sir Stuart Hogg Market in Calcutta ... | 2,63,560 |
| 18. | Bettiah-Bagaha Extension of the Tirhut State Railway ... ... ... | 2,54,646 |
| 19. | Bairagnia-Shikarpur Extension of the Tirhut State Railway ... ... ... | 3,90,210 |
| 20. | Bhagalpur-Kutchery Extension of the Tirhut State Railway ... ... ... ... | 1,84,366 |
| 21. | Location of the Enginering College, Model School and College, and Demonstration Farm at Ranchi ... | 1,13,578 |

The average cost per acre of the lands acquired, for which the proceedings were confirmed during the year, was about Rs. 732 against Rs. 694 in the preceding year. Omitting, however, lands of special value acquired chiefly in Calcutta, the average cost per acre during the year under review was Rs. 367.

93. Lands for the large projects below named were under acquisition during the year.—

(1) Hooghly-Katwa Railway in the districts of Burdwan, Hooghly and Nadia.
(2) Widening of roads within the jurisdiction of the Howrah Municipality.
(3 Works to be constructed and carried out by the Port Commissioners, Calcutta, for the improvement of the port.
(4) Ranchi-Purulia Railway.
(5) Water catchment area of the reservoir of the Midnapore-Jherria Extension of the Bengal-Nagpur Railway at Adra in the district of Manbhum.
(6) Extension of the Khulna railway yard of the Eastern Bengal State Railway, Khulna.

94. The most important new projects for the acquisition of land, for which orders were issued during the year, were:—

(1) East Indian Railway Company's staff quarters at Howrah.
(2) Works to be constructed and carried out by the Port Commissioners, Calcutta, in villages Nandanpur, etc., 24-Parganas.
(3) An elevated reservoir for supply of filtered water to Calcutta.
(4) Construction of a car shed for the Calcutta Tramway Company at Sealdah, 24-Parganas.
(5) Works to be constructed and carried out by the Port Commissioners, Calcutta, in village Muchikola, 24-Parganas.
(6) Acquisition of land for a Dhobikhana and construction of new roads to open up the area and improve the surroundings, and provide means of access to the site in Ballygunge, 24-Parganas.
(7) Diversion of Baliaghata road in village Shibtola, 24-Parganas.
(8) Road for the drainage of Canal area, Section II, from Canal West Road to Gas Street in Sealdah, 24-Parganas.
(9) Further extension of the Sealdah and Baliaghata yards of the Eastern Bengal State Railway, 24-Parganas.
(10) Road for main sewer from Garpar Road to Bahir Mirzapur Road and Branch to Upper Circular Road for the drainage of the Canal area, 24-Parganas.
(11) Extension of the Presidency College in Calcutta.
(12) Quardrupling of Eastern Bengal State Railway line between Dum-Dum Junction and Kankinara, 24-Parganas.
(13) Construction of a new Branch line from Chapra to Mashrak in Saran.
(14) New alignment of the Bengal and North-Western Railway from Dheng to Bairagnia over the Bagmati Bridge in the district of Muzaffarpur.
(15) Location of the Calcutta Free School at Ranchi.

Considerable progress in acquisition for many of these projects was made during the year, and the acquisition proceedings in respect of project No. 5 were completed.

95. In the Burdwan division, a Deputy Collector continued to be specially employed throughout the year on the acquisition of lands required for the Hooghly-Katwa Railway in the districts of Hooghly, Burdwan and Nadia and for other minor projects of the East Indian Railway in the district of Burdwan. The Deputy Collector, who was specially employed in the district of Howrah for taking up lands for the East Indian Railway, the Bengal-Nagpur Railway and other projects, finished his work at the end of September 1908 and reverted to the general line. In the Presidency division, a Deputy Collector was employed solely on land acquisition work in the 24-Parganas, and Mr. H. P. Duval, I.C.S., was employed, as in the preceding year, in taking up lands required for the extension of the Kidderpore Docks and for the improvement of the Port of Calcutta. Mr. Duval was also employed from October 1908 in acquiring lands required by the Calcutta Corporation in connection with their Fringe Area Drainage scheme, and to assist him a Sub-Deputy Collector was on deputation from the 22nd August 1908 up to the end of the year. The Special Land Acquisition Deputy Collector employed on the work in connection with the Murshidabad portion of the Barharwa-Azimgunge-Katwa Railway reverted to the general line in April 1908. The Special Land Acquisition Deputy Collector employed in the district of Saran continued throughout the year to acquire lands for the Bengal and North-Western Railway Company. The work of acquiring lands for the Dhaka and Tribeni canal projects in the district of Champaran was carried on by a Sub-Deputy Colletor till September 1908, when the Deputy Collector specially employed in the district of Bhagalpur in taking up lands for the Bhagalpur-Bansi Railway and the Mansi-Baptiahi Extension of the Tirhut State Railway, was, on the completion of his work there, transferred to Champaran for employment on the land acquisition work in that district. In the Chota Nagpur division, one Deputy Collector continued to be specially employed throughout the year in the districts of Manbhum and Ranchi on the acquisition of lands required for the Ranchi-Purulia Railway, the Adra reservoir scheme of the Bengal-Nagpur Railway, and other projects

96. The figures in the margin show the state of the land acquisition files of the ordinary district staff throughout the Province. On the 31st March 1909, 327 projects were pending against 365 at the close of the preceding year, and the proportion of proceedings pending for more than two years was about 16 per cent. against 12 per cent. in the preceding year. Out of the 54 old cases, 7 are under reference or appeal in the Civil Courts, 26 have been disposed of since the close of the year, 10 are under award and the remaining 11 are in different stages of progress.

| Date of original declaration. | Number of proceedings pending on the 31st March 1909. |
|---|---|
| 1901-1902... | ... 2 |
| 1902-1903 ... | ... 1 |
| 1903-1904 .. | ... 2 |
| 1904-1905 ... | ... 3 |
| 1905-1906 ... | ... 8 |
| 1906-1907 .. | ... 38 |
| 1907-1908 ... | ... 94 |
| 1908-1909 ... | ... 179 |
| | 327 |

Waste lands.

97. The number of current leases, granted under the rules of 1853, in the 24-Parganas and Khulna Sundarbans was 131 as against 115 in the previous year. The difference is due to a mistake previously made by the Sundarbans office in reporting the number. The rent payable on account of these leases is Rs. 1,31,056, which will eventually rise to Rs. 1,35,802.

The rules for the grant to large capitalists of waste lands in the Sundarbans are still under suspension; and the only grant made during the year under those rules was justified by the peculiar circumstances of the case. The area of the grant was 14,226 acres, and an upset price of one rupee per acre was paid. There were also 19 renewals under clause 4 of the prescribed form of lease under the special orders of Government. The total number of leases in existence under the large capitalist's rules was 208 with an aggregate area of 370,038 acres. The revenue payable at present amounts to Rs. 50,486, but it will eventually amount to Rs. 2,25,221.

The number of leases under the small capitalist's rules was nine, the same as in the preceding year.

98. The reclamation work of Fraserganj was practically finished during the year. About 7 miles of embankment were made, completing the circuit of outer embankments, which will protect an area of about 20,000 bighas from the ingress of salt water. Three large dams and several cross embankments were also constructed. The total area of the island is 28,555 bighas. Of the unprotected area 2,890 bighas are reserves for fuel reserves and the rest is uncleared. The cleared area is provided with roads which are bridged in a substantial manner, and there are also at intervals sluices for the drainage of rainfall from the area within the embankments There are also several useful godowns and buildings. It is reported that 1,500 bighas are already fit for the cultivation of paddy; and there are 39 raiyats settled on the estates, some of whom have begun to pay rent. The demand for the year 1908-09 was Rs. 1,011, which has been fully paid. In the year under report 1,603 maunds of paddy were harvested.

The expenditure of the year was Rs. 39,392, and the total cost of reclamation work was Rs. 4,95,155, exclusive of items of expenditure on the improvement of the sea-face, and the establishment of Fraserganj as a health resort. Owing to the difficulties of communication this latter project is for the present abandoned. The actual cost of reclamation was about Rs 22 per bigha as against the estimate of Rs. 15. The increase was due to outbreaks of cholera among the coolies in each of the seassons of 1906 to 1908.

The Commissioner reports that during his last visit of inspection at the end of March last he was very favourably impressed with the result of the work. The only difficulty is the introduction of cultivators. The island is too far from the main land for immigrants to settle there of their own motion; but reclamation in this part of the Sundarbans is extending rapidly, and the prospects of procuring tenants are steadily improving.

Improvements made in the Sundarbans estates resumed by Government.

99. There were 17 resumed estates in the 24-Parganas portion of the Sundarbans (including Saugor Island) and 13 in the Khulna portion. Their resumption was due, for the most part, to the failure of the lessees to comply with the terms of their agreements.

Of the 17 estates in the 24-Parganas four were cleared and fit for cultivation. One of them, Bhagwanpur, has been leased out to four tenureholders, on their undertaking to maintain the embankments in proper order. In the other three estates, Painabaf, Sakdaha and Lot No. 16 (first portion), the embankments are in bad repair. There was a serious failure of crops during the years 1906-07 and 1907-08 in Sakdaha and Lot No. 16 (first portion); but during the past year the crops were very fair and it is hoped that some arrear rents may be recovered. Provision for the repair or construction of embankments in these estates could not be made during the year for want of funds.

In Khulna one estate, Samukpota, was settled with the proprietors, and twelve were left in the possession of Government at the end of the year. The construction and repair of embankments cost Rs. 3,408 in Gobindpur, and Rs. 165 in Durgatola and Saranpur. It was not possible to provide funds for any of the remaining estates.

The whole question of the administration of resumed estates in the Sundarbans is at present under the consideration of the Board.

Zamindari *abwabs*.

100. The levy of *abwabs* and other illegal exactions additional to rent continues to be prevalent more or less in the province, though no suit was brought under section 75 of the Bengal Tenancy Act during the year. Regarding Burdwan the Commissioner reports that *abwabs* are freely exacted throughout the division. In the Presidency division the practice of taking them "is prevalent more or less in all districts." In Patna "the levy continues in some places in the division." In Tirhut "the levy still prevails more or less in each district in this division." In Bhagalpur "the list of such exactions prepared in 1902-03 still holds good." In Orissa "some illegal cesses are realised by zamindars in addition to rent in the districts of Cuttack, Balasore and Puri." In Chota Nagpur the Dhalbhum Syndicate is singled out for special mention. In Manbhum irregularly recurring *mangans* are common.

It is clear that in spite of the prohibitions of the Permanent Settlement, and the specific provisions of the Bengal Tenancy Act, a large number of

zamindars persist in attempting to collect sums over and above the legally payable rent, and that the penalties prescribed are not sufficiently deterrent. From Patna and Tirhut, however, it is reported that the settlement operations have had some effect in reducing the practice and educating the tenants in their rights.

Kanungos.

101. Kanungos appointed under the Regulations, viz., V of 1816 and I of 1819, exist only in the districts of the Orissa division (excluding Sambalpur). Most of these have had a training in survey and settlement work. Their principal duties comprise local enquiries of a civil nature, miscellaneous revenue work, including the collection of *taccavi* advances, investigations into encroachments on reserved lands, and the collection of petty cess demands and decretal amounts in rent execution cases. In Cuttack, the kanungos also assisted in famine work, and in Khurda they had to check the *milan khasra* prepared by the *sarbarakars* and to do collection work in certain khas villages, the *sarbarakars* of which were either dead or dismissed. In Angul, they were also employed in clearing off the arrear work of the Settlement Department and on famine work.

Patwaries.

102. The patwaries appointed under Regulation XII of 1817 are found in the districts of the Patna and Tirhut divisions, in Monghyr, in the Pataspur estate in Midnapore, and in parganas Khaira and Belaunja in Palamau.

In the districts of the Patna and Tirhut divisions there were for disposal 1,060 cases, of which 894 were disposed of. The cases were brought either by the zamindars or the patwaries, and the majority of them related to the appointment or dismissal of patwaries, the production of their accounts, or the recovery of their pay. There were four cases in Monghyr, of which one was for registration of the patwarie's name, one for dismissal, and two for recovery of pay. Three of these were disposed of during the year. There were no cases in Palamau. The patwaries in Pataspur work directly under the zamindars.

Financial results of loans operations under Act XIX of 1883 and Act XII of 1884.

103. The financial results of the working of the Loans Acts are shown in Appendices XVII and XVIII, parts (A) and (B), in accordance with the Government of India's Circular No. 2—138-2, of the 15th February 1906.

Advances under the Land Improvement Loans Act, XIX of 1883. Appendix XVII (Part A).

104. The loans granted during the year amounted to Rs. 9,74,780 as against Rs. 4,23,561 in the preceding year. The districts in which they exceeded Rs. 25,000 are as follows:—

| | Rs. | | Rs. |
|---|---|---|---|
| Bhagalpur ... | 2,24 356 | Bankura ... | 50,035 |
| Darbhanga ... | 1,90,600 | Palamau .. | 47,192 |
| Muzaffarpur ... | 1,23,672 | Saran .. ... | 33,296 |
| Nadia .. ... | 1,04,730 | Sonthal Parganas ... | 25,749 |
| Hazaribagh ... | 77,831 | | |

The sum of Rs. 2,24,356 was advanced in Bhagalpur for the construction of irrigation works as a protection for the future and as an indirect palliative to the distress which was threatening the district. In Darbhanga and Muzaffarpur the advances were made mainly for the excavation and re-excavation of tanks, the sinking of wells and construction of bandhs. The loans were granted in Nadia to both tenants and landlords for excavating tanks and wells, in Hazaribagh, Bankura and Palamau for constructing works likely to provide employment to labourers during the scarcity that prevailed, and in Saran for sinking wells. In the Sonthal Parganas the main object was the improvement of irrigation by the excavation and re-excavation of tanks and bandhs.

105. The balance of loans outstanding under the Act on the 1st April 1908 amounted to Rs. 8,02,329. This sum was increased to Rs. 17,77,109 by the advances made during the year. The amount due for recovery in the year was Rs. 2,18,937. The total collections amounted to Rs 1,75,650, of which

payments in advance accounted for Rs. 17,304, and payments in respect of the amount recoverable in the year were Rs. 1,58,346, while Rs. 662 were remitted and Rs. 282 suspended. The percentage of total collections (including advance collections) on the realizable demand was 80·2 as against 82·8 in the preceding year. The net amount of the year's demand overdue at the end of the year was Rs. 59,647. This sum includes Rs. 11,511 in Hazaribagh, Rs. 10,342 in Palamau, Rs. 5,736 in Gaya, Rs. 4,858 in Saran, Rs. 4,728 in Bhagalpur, Rs. 2,855 in Darbhanga, Rs. 2,769 in Nadia, Rs. 2,766 in Burdwan, Rs. 1,910 in Ranchi, Rs. 1,820 in Shahabad and Rs. 1,658 in Sonthal Parganas.

In Hazaribagh the balance including interest was Rs. 13,824. The sum of Rs. 2,812 has been collected since the close of the year. The Deputy Commissioner reports that recovery was hampered by the failure of the postal authorities to supply the rural post offices with books of receipts for money-orders, and that many would be remitters were turned away and their money refused. In Palamau, in consequence of the bad harvests and high prices of the preceding two years, it was inexpedient to take coercive measures. Warning post-card notices were issued against the defaulters, and those who could pay without hardship have already done so. In the remaining districts the widespread scarcity is assigned as the explanation of the large balances.

Appendix XVIII (Part A).

106. The financial results of the working of the Land Improvement Loans Act are shown in Appendix XVIII (Part A). The interest payable to the Imperial Government for the year in respect of all advances made under this Act was Rs. 60,211. The amount of interest collected by the Provincial Government from its debtors during the year amounted to Rs. 41,579. The balance of interest which had to be made good from Provincial funds, therefore, amounted to Rs. 18,632. The amount of principal remitted during the year was Rs. 662, which also has to be borne by the Provincial Government, as well as the expenses connected with the working of the Act during the year, amounting to Rs. 13,567. Therefore, if the figures of the year under report be considered apart from those of other years, the relief afforded by these loans cost the Provincial Government Rs. 32,861. As in the case of agricultural loans, these advances often prevent expenditure on famine relief, and a large amount has accordingly been advanced free of interest. But careful attention to recovery is clearly needed on the part of Collectors to reduce the loss on the operations to as low a sum as possible.

Advances under the Agriculturists' Loans Act, XII of 1884.

(Appendix XVII, Part B.)

*Principal.*

107. The balance of principal outstanding from the previous year on the 1st April 1908 was Rs 27,34,917. The amount advanced during the year was Rs. 35,41,044, making a total principal of Rs. 62,75,961. Out of this Rs. 24,55,224 were recoverable within the year. The total collections amounted to Rs. 8,29,043 (including Rs. 20,074 advance collections), and Rs. 6,155 were remitted. The recoverable demand was thus reduced to Rs. 16,20,100, out of which Rs. 15,246 were suspended. The balance which ought to have been, but was not, collected during the year was Rs. 16,04,854, or nearly two-thirds of the total.

*Interest.*

108. The arrears of interest suspended and overdue at the commencement of the year amounted to Rs. 67,769. The interest falling due within the year amounted to Rs. 1,86,258. Thus the total interest for realisation during the year amounted to Rs. 2,54,027, of which Rs. 90,433 were collected (excluding Rs. 1,395 collected in advance) and Rs. 659 remitted. The balance outstanding was Rs. 1,62,935, out of which Rs. 903 were suspended. The general cause of these very unsatisfactory results is to be found in the adverse conditions of the agricultural year, which not only prevented the collection of old loans, but necessitated the distribution of new ones to the extent of 35 lakhs of rupees. With the advent of good crops recoveries must be carefully supervised. It is necessary to prevent the growth of a feeling that the repayment of these loans is optional or uncertain. They are granted for sums that are individually small and capable of liquidation from the proceeds of a single good season, and the liberality with which the State at

present sanctions their advance will be rendered impossible if they are to involve a serious ultimate loss to the public revenue.

109. The principal advances in the year were made as follows :—In Bhagalpur (Rs. 9,01,292), Nadia (Rs. 4,08,982), Ranchi (Rs. 3,51,151), Darbhanga (Rs. 2,92,218), Hazaribagh (Rs. 2,25,160), Jessore (Rs. 1,42,635), Palamau (Rs. 1,32,717), Patna (Rs. 1,20,386), Balasore Rs. 1,12,949), Cuttack (Rs. 1,06,856), Gaya (Rs. 73,909), Shahabad (Rs. 71,550), Monghyr (Rs. 65,295), Bankura (Rs. 65,155) and Angul and Khondmals (Rs. 64,000).

Details of district recoveries.

110. The amount for recovery during the year exceeded Rs. 10,000 in the districts of Darbhanga, Ranchi, Balasore, Muzaffarpur, Champaran, Bhagalpur, Hazaribagh, Jessore, Monghyr, 24-Parganas, Murshidabad, Cuttack, Palamau, Saran, Khulna, Nadia, Shahabad, Sonthal Parganas, Singhbhum, Gaya, Burdwan, Manbhum, Sambalpur, and Birbhum.

In Darbhanga out of Rs. 4,36,334 due for collection within the year, a sum of Rs. 25,416 only was collected. The prevalence of famine necessitated suspension of the balance of Rs. 4,10,918. In Ranchi the amount for recovery was Rs. 3,51,722, out of which Rs. 1,20,227 were collected. The recovery of the balance was suspended for another year in *thanas* Torpa and Karra of the Khunti subdivision owing to the bad harvest. In other *thanas* coercive measures were deferred and interest suspended till the 31st March 1909. The short collections were due partly to the recovery of settlement costs, partly to a rumour that no harm would happen to borrowers if they did not repay the loans till the next year, and mainly to the unsatisfactory crops. Certificates have since been issued against the defaulters in two *thanas* where the borrowers are able to repay. As regards the other *thanas* the Deputy Commissioner reports that before resorting to a general use of the certificate procedure he has deputed a Probationary Deputy Collector to visit each *thana* in turn to make collections on the spot. In Balasore the amount for recovery was Rs. 2,64,031 and that recovered was Rs. 1,31,025. The realization of the balance had to be suspended owing to the poor outturn of crops in some areas, and the total loss of crops in others. In Muzaffapur the amount for realization was Rs. 2,63,598 and that collected was Rs. 60,069. The recovery of the balance was suspended owing to scarcity. In Champaran the amount for recovery was Rs. 1,98,153, but owing to the agricultural distress only Rs. 13,237 were collected and the balance suspended. The amount for recovery in Bhagalpur was Rs. 1,20,919 and that collected was Rs. 28,184. The recovery of the balance had to be suspended owing to the bad harvests of the year. In Hazaribagh the amount for recovery was Rs. 1,20,741 and that collected was Rs. 64,176. Out of the overdue balance of Rs. 60,712 (including interest) a sum of Rs. 9,033 has been collected since the close of the year. Recovery operations were retarded to some extent by the inability of the postal authorities to provide money-order forms to intending payers. In Jessore the recoverable amount was Rs. 1,17,363, of which Rs. 73,091 were collected. There was some distress throughout the district owing to the high price of food-grains, and the adoption of coercive measures for the realisation of the balances was suspended with the Commissioner's approval till the 31st October 1909. Out of the realizable amount of Rs. 83,631 in Monghyr, Rs. 8,247 only were collected, and the balance was under suspension. The raiyats were unable to pay up their instalments owing to the exceptionally bad season. In the 24-Parganas and Murshidabad the amounts for recovery were Rs. 70,606 and Rs. 56,216 and the amounts collected were Rs. 43,879 and Rs. 39,531 respectively. A considerable portion of the balance in the former is covered by certificates. In Cuttack the amount for recovery was Rs. 46,423 and that collected was Rs. 44,297. In Palamau Rs. 41,176 fell due during the year, of which Rs. 14,192 were collected and Rs. 98 remitted, leaving a balance of Rs. 26,886 outstanding at the close of the year. No coercive measures were taken for the recovery of the balance on account of the bad harvests and high prices of the last two years, though warning post-card notices were issued against the defaulters. In Saran the amount for recovery was Rs. 39,581 and that collected was Rs. 24,178. Owing to the high prices and scarcity the collection of the balance was deferred until the completion of the *rabi* harvest. In Khulna the amount for recovery was Rs. 33,190 and that collected was

Rs. 5,133 only. Coercive measures were not freely adopted on the ground that the raiyats had not completely recovered from the distress of the previous year. The recoverable amount in Nadia was Rs. 26,155, while that collected was Rs. 15,855. The short collection is partly due to the alteration of the date of repayment of an instalment from December 1908 to April 1909. In Shahabad the recoverable amount was Rs. 25,535 and the amount collected was Rs. 11,762. The realization of Rs. 8,553 in the Sasaram subdivision was suspended on account of scarcity. In the Sonthal Parganas Rs. 9,426 were realized out of Rs. 14,077 due during the year. Special arrangements have been made for the realization of the balance. In Singhbhum the amount for recovery was Rs. 13,256, of which Rs. 10,634 were collected. Steps have been taken for the realization of the outstanding balance. In Gaya the amount recoverable was Rs. 12,932, of which Rs. 9,051 were realized. The comparative failure of crops prevented the adoption of stringent measures. In Burdwan out of the recoverable amount of Rs. 12,069, the amount recovered was Rs. 9,174. The balance is in course of realization under the certificate procedure. In Manbhum the whole of the amount of Rs. 11,993 advanced during the year relates to the Dhanbaid subdivision. It was realizable within the year, but Rs. 432 only were collected. Steps are being taken to realize the balance. In Sambalpur the amount for recovery was Rs. 11,968 and the amount collected was Rs. 11,076. The amount for recovery in Birbhum was Rs. 11,512 and the amount collected was Rs. 7,988. Owing to the poor harvests severe measures could not be adopted, and the Commissioner has allowed time up to December next to the Sonthals of the Rampur Hât subdivision.

Financial results.

Appendix XVIII (Part B).

111. The financial results of the working of the Agriculturists' Loans Act are shown in Appendix XVIII (Part B). The interest payable to the Imperial Government for the year in respect of all advances made under this Act was Rs. 2,12,715. The amount of interest collected by the Provincial Government from its debtors during the year amounted to Rs. 91,828 only. The balance of interest which has to be made good from Provincial funds, therefore, amounted to Rs. 1,20,887. The amount of principal remitted during the year was Rs. 6,155, which also has to be borne by the Provincial Government; and the expenses connected with the working of the Act during the year amounted to Rs. 56,644. Therefore, if the figures of the year under report be considered only by themselves, the relief to agriculturists which is afforded by these loans cost the Provincial Government Rs. 1,83,686 during the year. Of course some of the Rs. 1,20,887 of interest which ought to have been, but was not, paid to Government during the year will be recovered in the future, and in other respects also these figures are somewhat misleading. But it seems clear that loans under the Act are not unlikely to involve some loss to the Provincial Government; and though the gain in the avoidance of famine relief should be taken into account on the other side, yet it is evident that careful attention to recovery is required from District Officers.

Loan to Mundaris.

112. In the district of Ranchi Rs. 15,534 principal and Rs. 7,736 interest were due for collection during the year on account of loans advanced in previous years to Mundaris and other aboriginals to enable them to redeem their *sarpeshgi* lands. Out of this Rs. 4,608 principal and Rs. 1,724 interest were recovered. The general agricultural distress which prevailed in the district was responsible for these poor collections. Certificates have since been issued for the recovery of the balance.

## PART III.—RENT.

Bengal Tenancy Act.

113. The relations between landlords and tenants in the major portion of the province continued to be governed by the Bengal Tenancy Act.

Chota Nagpur Tenancy Act.

114. During the year under review the laws relating to landlords and tenants in the districts of the Chota Nagpur Division (except Manbhum) have been amended and codified in the Chota Nagpur Tenancy Act (Bengal Act VI of 1908). The greater number of the rules and the forms, required under this Act, have been prescribed, but a few are still under consideration.

115. Difficulties having been experienced in the working of the Bengal Tenancy Act, as partially extended to the districts of Cuttack, Balasore and Puri, Mr. S. L. Maddox, I.C.S., was specially deputed by Government to examine the general question of a self-contained agrarian law for the province of Orissa. He has submitted his report together with a draft code consolidating these laws, and these are now under the consideration of Government.

Tenancy Law for Orissa.

116. The use of rent-receipt forms printed at the Government press is confined to the Government and the wards' estates. Their sale to the public has practically ceased, as private presses supply them at cheaper rates.

Rent-receipt forms.

117. In their circular order No. 11 of March 1908, the Board issued instructions to Revenue officers about the procedure that should be followed in dealing with landlords who contravene the provisions of sections 56-58 of the Bengal Tenancy Act, regarding the preparation, retention and grant of receipts for rents. It does not appear that much result has followed therefrom. In Midnapore there have been a few cases, which are under consideration. In Murshidabad the Collector held an enquiry into the case of a zamindar who systematically refused to give receipts, and imposed fines aggregating Rs. 1,200 in 24 specific cases. In Patna 70 cases were reported to the Collector by Assistant Settlement Officers, of which five were disposed of during the year with the imposition of fines amounting to Rs. 115. In the Tirhut Division there were altogether 24 complaints, of which 20 were disposed of. There were convictions in five cases only. In Monghyr notices of warning were issued to delinquent landlords, and in Bhagalpur fines were inflicted in two cases. In Cuttack there was one case, which ended in a fine of Rs. 10, and in Balasore some cases are under consideration. The Patna Commissioner reports that tenants are generally somewhat indifferent in this matter.

118. Appendix XIX to the report shows the operation in each district under the various sections of the Bengal Tenancy Act so far as it is administered by Revenue Officers.

Working of the Bengal Tenancy Act.

119. *Voluntary transfer, section 13 (3).*—On the whole there was only a small increase in the number of these cases from 53,473 to 54,929. In Midnapore, however, the number rose from 9,218 to 11,175, and in Darbhanga from 567 to 1,485; while their number fell from 11,063 to 8,172 in the 24-Parganas and from 1,063 to 510 in Bhagalpur. No satisfactory general explanation has been offered of the district fluctuations.

120. *Transfer by sale in execution of decrees, section 13 (2).*—The total number of the transfers was higher this year, being 445 as against 235 in the previous year. The abnormal increase in Midnapore (from 6 to 186) is said to be owing to scarcity in Contai. The increases in Nadia and Khulna have been ascribed to unreported local causes. The fall in Patna (from 22 to 2) is said to be due to the landlords refraining from instituting rent-suits owing to survey and settlement proceedings in progress in the district.

121. *Transfer by succession, section 15.*—There was a small increase from 897 to 943 in the number of these cases.

122. *Payment of landlord's fees.*—The figures in Appendix XIII show that there has been some little improvement. This is apparently due to the partial introduction of the system by which the fees are transmitted in some cases by postal money-orders. The apathy of the landlords about withdrawing the money remains practically unaltered.

123. *Preparation of price-list, section 39.*—These were published regularly, and, as usual, no objection was taken to them.

124. *Commutation of rent payable in kind, section 40.*—These cases rose from 2,907 to 3,150, exclusive of cases filed before the settlement courts. The number increased from 929 to 1,651 in Midnapore, and from 710 to 1,055 in Darbhanga. The former increase is said to be the result of the high prices of produce, and the latter to the facility afforded in filing applications at subdivisional head-quarters. The decreases in Patna and Shahabad are said to be due to the survey and settlement operations, which facilitate institutions before the settlement courts.

125. *Orders for the appraisement or division of crops, sections 69 and 70.*—The annual figure continued to increase. In Midnapore the number of applications was 164 as against 51 cases in 1907-08, the subdivision of Contai contributing as many as 150 cases. These arose out of a quarrel between the *chakdars* and their produce-rent raiyats. Elsewhere the fluctuations were insignificant.

126. *Registration of landlords' improvements, section 80.*—The most notable increase in these applications occurred in Champaran, where the indigo concerns at Pipra and Sathi have been effecting improvements in irrigation.

127. *Notice of re-entry upon lands by landlords, section 87 (2).*—The fluctuation is slight, and needs no remarks. Landlords as a class take little advantage of this section.

128. *Applications for survey and preparation of record-of-rights under Chapter X.*—There were 65 applications in 1908-09 as against 106 in 1907-08. The Burdwan Division had 46 cases and the Presidency Division 19. These are the two divisions in which general operations have not yet been originated.

129. *Progress made in surveys and preparation of record-of-rights under Chapter X.*—The report of the Director of Land Records, Bengal, for the year ending the 30th September 1908 gives a review of the progress of the larger surveys and settlements under his control. As regards the operations carried out under the supervision of the Commissioners, a history of settlement made in Government estates has already been furnished in a previous paragraph of this report under the head "Settlement," and Appendix XII shows the progress made in proceedings taken in respect of the private estates. The total area under settlement was 84,196 acres in 425 villages, with 21,477 tenants. The largest areas were in Hooghly (25,828 acres), Jessore (18,656 acres), and Nadia (7,921 acres), Midnapore (7,845 acres), Bankura (6,837 acres) and Khulna (6,444 acres). The records of 122 villages were finally published and the rents of 7,924 tenants settled up to the 31st March 1909. The total expenditure incurred during the year amounted to about Rs. 25,000.

130. *Local enquiries held under the orders of Civil Courts, sections 158 and 31.*—As against 7 cases in 1907-1908, there were 36 cases in 1908-1909, 30 having been contributed by Shahabad alone.

131. *General.*—It will appear from the above review that of the districts in which there has been no general survey and record-of-rights, the landlords and tenants of Midnapore appear to have recourse most freely to these provisions of the Bengal Tenancy Act. There is reason to believe that settlement operations in the extensive Government estates of that district have educated Government tenants in their rights and duties, and that the lesson has to some extent been conveyed to the landlords and tenants of private estates also. The Commissioner reports that there are some signs of the straining of their mutual relations; and in the opinion of the Board the time has come for a survey and record-of-rights for the whole district.

Rent suits under Act X of 1859 and Bengal Act I of 1879 repealed by Bengal Act VI of 1908 (Chota Nagpur Tenancy Act).

Appendix XX.

132. Act X of 1859 is in force only in the districts of Cuttack, Balasore and Puri in the Orissa Division, Darjeeling and Manbhum. In the remaining districts of the Chota Nagpur Division rent suits are tried under the Chota Nagpur Tenancy Act, 1908. In Sambalpur such suits are tried by the Revenue Officers appointed as Munsiffs under section 36 (1) (*a*) of the Bengal, North-Western Province and Assam Civil Courts Act XII of 1887 as amended by section 16 of the Sambalpur Civil Courts Act IV (Bengal) of 1906; and all appeals lie not to the Deputy Commissioner, but to the Subordinate Judge.

133. In the Orissa Division 25,719 suits of all kinds were instituted, as against 27,506 in the preceding year. The decrease is common to all the districts except Sambalpur, and is mainly due to the fact that the zamindars in the affected tracts were debarred from taking coercive measures to realize arrears of rent from defaulting tenants by the terms on which they

themselves were granted the suspension of land revenue which the local scarcity necessitated.

134. In the Chota Nagpur Division 7,082 suits for arrears of rent were instituted, as compared with 5,899 in the previous year. The increase was common to all the districts except Manbhum, where there was a slight decrease of 55 suits. The increases of 428 and 390 suits in Hazaribagh and Ranchi respectively are ascribed to the fact that the last day of two agricultural years fell within the year under report, and that suits had to be filed in order to avoid limitation. In Singhbhum almost all the suits instituted during the year came from the Dhalbhum estate. The number of appeals preferred in Ranchi fell from 113 in 1907-08 to 33 in 1908-09. This is due to the fact that the extensive use of the survey and settlement record by the lower courts allowed fewer opportunities for contesting their decisions.

135. Excluding miscellaneous applications, the percentage of pending cases over the total number of cases for disposal is as follows in each district :—

| | | | |
|---|---|---|---|
| Hazaribagh ... | 28·3 | Palamau ... ... | 16·6 |
| Ranchi ... | 17·3 | Singhbhum ... ... | 16·1 |
| Manbhum ... | 8·8 | | |

The reasons for the disproportionate delay which arose in Hazaribagh as compared with Ranchi have not been explained.

136. When a record-of-rights has been prepared it is desirable that officers who try rent suits should systematically make careful reference to the record. Accordingly the Board issued instructions to inspecting officers to satisfy themselves during their inspections that the record-of-rights was being utilised in the desired manner. It is reported that the result of these inspections is satisfactory.

137. During the year 1908-1909 Bengal Act I of 1879, as amended by Bengal Act V of 1903, was in force in the several districts of the Chota Nagpur Division, except Manbhum, until the 11th November 1908, when it was repealed by Bengal Act VI of 1908 (the Chota Nagpur Tenancy Act, 1908). The report of the Commissioner and the statistics furnished by him do not show the figures relating to the two Acts separately.

138. It is reported that 55 cases were instituted in the district of Ranchi against landlords who were alleged to have failed to give proper receipts for rent. Of these 5 were rejected, 5 struck off, 3 dismissed, 34 withdrawn and in one case only the zamindar was fined. In Hazaribagh there were only two such cases, of which both remained pending at the close of the year. In the course of enquiries into loan applications it was found that 12 landlords did not grant printed receipts. Proceedings were instituted against four of them, and the others were let off with a warning. One case under section 45 of the new Act was filed in the Gumla subdivision of Ranchi, and was pending at the close of the year. Two cases under section 12 of the Act were instituted during the year in Ranchi, in consequence of the superior landlords' refusal to recognize the petitioners as their under-tenants and to register their names as such in their *sarishta*, and there was one case pending from the previous year. The applications were granted in two cases, and notices to register the names of the petitioners were issued to the zamindars concerned. The third application was rejected.

Operation of the penal provisions of Bengal Act VI of 1862 and Bengal Act I of 1879 (repealed by Bengal Act VI of 1908).

Appendix XXI.

139. In the Orissa Division damages were awarded to the plaintiff on decree of his claim for arrears of rent in one case only. In the Chota Nagpur Division Hazaribagh is the only district in which such damages were allowed. The percentage of these suits to the total number decided rose from 8·7 in 1907-08 to 25 in 1908-09. Only two Courts awarded damages, and the exercise of the discretion permitted by the law appears to vary in an unusual degree with the personality of the judge. Under the new Act it has become obligatory to record in writing the reasons for granting damages; and it is desired that the Commissioner will satisfy himself that this provision is observed in future, whenever a court considers that an award of interest is not adequate, and that damages in lieu of interest are justified by the merits of the case.

Applications for aid in distraint and for sale of distrained property.

Appendix XXII.

140. As compared with the year 1907-08, there was an increase of 10 in the number of applications to District Officers for aid in distraint, and 228 in the number of applications to Civil Court amins. The latter are confined to the Orissa Division; and out of the 367 cases disposed of sale took place in 32 cases only. All the others were compromised or withdrawn or security was taken.

Notices of enhancement and relinquishment

Appendix XXIII.

141. These notices relate to the districts in which the Bengal Tenancy Act is not in force. As compared with the previous year the number of notices of enhancement increased by 43 and the number of notices of relinquishment decreased by 18. The 31 notices in Darjeeling were in connection with two estates only. In one case an estate in Kurseong had changed hands and the new proprietor (a Marwari) filed 20 notices of enhancement. In another case the Amalgamated Tea Estates Company filed 11 petitions of enhancement. There was only one case of relinquishment in Hazaribagh, as against 17 in the previous year.

## PART IV.—MISCELLANEOUS.

Tours of Commissioners.

142. In the Burdwan Division Mr. Maddox, who was in charge for seven months, was on tour for 73 days and Mr. Macpherson for 55 days In addition to his usual inspections, Mr Maddox twice visited the tracts in the south of Bankura in which famine relief works were in progress. During his tours Mr. Macpherson made the usual inspections and inquiries and visited the head-quarters of all the districts of the division and four subdivisions. The Commissioner of the Presidency Division inspected all the district and subdivisional offices. In the Patna Division Messrs Levinge, Clark, Earle and Maude were on tour for 117 days. Mr. Earle toured for 104 days, of which eight days were spent in visiting the Sonpur fair. He visited all the districts and most of the subdivisions, and also travelled in the interior to see the state of the crops and general condition of the people. Mr. Maude, who assumed charge on the 22nd February 1909, inspected the Nawada and Aurangabad subdivisional offices. Mr. Greer took over charge of the Tirhut Division on the 18th November 1908 and spent 48 days on tour, visiting all the district head-quarters. The organization of a new office called for considerable attention at his own head-quarters; but he made repeated tours in Darbhanga and Muzaffarpur in order to inspect famine and test-work operations. In the Bhagalpur Division Mr. Walsh was on tour for 96 days. He visited every district head-quarters and every subdivision, except Araria and Godda, and went through the area liable to famine in the Supaul, Madhipura and Banka subdivisions of Bhagalpur. He spent ten days in December and January in the Damin-i-koh, inquiring into the conditions of the Sonthals and Paharias. In the Orissa Division Mr. Duke was out on tour for 22 days and Mr. Levinge for 101 days. Of these 123 days, 36 days were spent in the Garhjat States. During the 22 days of his tour Mr. Duke spent 15 days in Puri and Balasore and the remaining seven days in the Tributary States of Moharbhanj and Nilgiri. Mr. Levinge during his tour inspected the offices at the head-quarters of the five districts of the division and visited three subdivisions. He also visited eight Garhjat States. In the Chota Nagpur Division Mr. McIntosh spent as much as 186 days on tour. He made extensive inquiries about the material condition of the people and the adequacy of the relief operations in the districts of Hazaribagh, Ranchi and Palamau. He also visited each district head-quarters and each subdivisional head-quarters. Two Political States (Seraikela and Kharsawan) were also visited by him. During his tour in January he selected a site for a new subdivision at Simdega in Ranchi.

Tours of Collectors.

143. All the Collectors made the usual tours of inspection, which were in many districts protracted by the necessity of close inquiries into the effects of the bad season on the economical condition of the people.

Tours of Subdivisional Officers.

144. The Subdivisional Officers devoted their attention to the usual inspections and inquiries and their tours were generally satisfactory. Except the Subdivisional Officers of Serampore in Hooghly, Satkhira in Khulna, Kishenganj in Purnea, Dumka in

the Sonthal Parganas, and Bhadrak in Balasore, all were out on tour for more than the minimum number of days fixed by District Officers.

Inspection of district offices and treasuries—
(1) By Commissioners.

145. All the district offices were inspected during the year by the Commissioners of divisions and no serious irregularity was discovered. Similarly, the district treasuries of Burdwan, Birbhum, Bankura, Midnapore, Howrah, Murshidabad, Monghyr, Bhagalpur, Purnea, Darjeeling, Sonthal Parganas, Cuttack, Angul, Sambalpur and Hazaribagh were inspected. The inspection of all the district treasuries except that of Hooghly has now been completed within the two years 1907-1908 and 1908-1909. No material irregularity was discovered.

(2) By District Officers.

With the exception of Khulna, Shahabad, Monghyr, Bhagalpur and Cuttack, all the district offices were completely inspected. In Monghyr most of the departments were inspected at the end of the year, and the remainder immediately after the close of the year. The Board have considered and accepted the explanations offered by the officers concerned of their failure to inspect. The sadar treasuries of Howrah and the Sonthal Parganas were inspected only once for reasons found by the Board to be adequate. All the others were inspected twice by the District Officers concerned.

Inspection of subdivisional offices and treasuries—
(1) By District Officers.

146. All the subdivisional offices and sub-treasuries, except those of Jajpur and Banki (where the Collector's explanation is adequate), were inspected by the District Officers during the year. No serious irregularity was brought to light.

(2) By Subdivisional Officers.

All the subdivisional offices, except those of Kishenganj, Rajmahal, Bhadrak and Giridih, were inspected by the officers in charge. The sub-treasuries at Aurangabad in Gaya and Bhadrak in Balasore were inspected only once. All the other sub-treasuries were inspected twice and no serious irregularity was brought to light. The explanations of their failure to inspect, offered by Mr. Day at Rajmahal and Maulvi Ashfak Husain Khan Bahadur at Aurangabad, are not satisfactory.

Tours and inspections of the Members of the Board.

147. The Hon'ble Mr. R. T. Greer, C.S.I., visited Bankipur in August 1908. In December the Hon'ble Mr. Slacke inspected the office of the Collector of Khulna and in the following January that of the Collector of Patna. In February 1909 he visited Sambalpur and conferred with the Commissioner of Orissa and the Deputy Commissioner. Later during the same month he inspected certain departments of the Muzaffarpur Collectorate.

The Hon'ble Mr. W. C. Macpherson, C.S.I., Member in charge of the Miscellaneous Revenue Department, was on leave from the 16th July to the 11th October 1908. In November last he inspected the Calcutta Custom House buildings and examined the proposals for improved structural arrangements. In December 1908 and January 1909 he visited the Patna and Gazipur districts and inspected the Opium Factories, and discussed with the Agents important matters relating to opium administration. In March last he inspected the Sulkea Salt Golas in order to ascertain whether an extension of the existing golas would provide sufficient bonding accommodation to meet the increasing demands of the trade, and in the same month he inspected the newly-erected brewery at Entally.

Records.

148. The total sum sanctioned by Government during 1908-09 for the maintenance of record-rooms in Bengal was Rs. 47,640. From this amount allotments were made for the following purposes:—

(i) District record-rooms.
(ii) Commissioners' record-rooms.
(iii) Board's record-rooms.
(iv) Board's office—consolidation of indexes.
(v) Precautions against fire.
(vi) Storage, arrangement and preservation of old records.

The work of consolidating the Board's indexes from the year 1878 onwards made much progress. The appointment of resident care-takers and the supply of extinguishers were the measures taken to reduce the risks from fire.

149. During the year under report the records in the offices of Collectors and Commissioners were generally in fair condition, and due attention was paid by nearly all officers to the classification and periodical destruction of B and C papers. With the help of the Controller of Office Systems, the destruction of unnecessary and useless papers made some progress; the regular transmission of records, from "current" record-rooms and from Collectorate departments to the record-room of old records, was systematized; and plans of all record-rooms are being made to show the situation of all classes of records.

150. The Hon'ble Member in charge personally inspected the district record-rooms of Khulna, Patna, Sambalpur and Muzaffarpur. The services of Mr. R. J. Watson, Controller of Office Systems, were also utilised freely in the inspection of district record-rooms; and defects of a general character, which were brought to light in the course of these inspections, led to numerous amendments in the existing rules.

151. On the whole the Board are satisfied that more attention is being paid by local officers than has been the case in the past to this somewhat unattractive but essentially important branch of their duties. But it is certain that if they allow this attention to be relaxed, the result will be an immediate relapse into the state of confusion which was far too common in the past.

Library.

152. The district libraries are, it is generally reported, in good order, and have been kept in accordance with the orders of the Board on the subject.

Controller of Office Systems, Bengal.

(1) Burdwan.
(2) 24-Parganas.
(3) Murshidabad.
(4) Muzaffarpur.
(5) Purnea.
(6) Balasore.
(7) Puri.
(8) Cuttack.

153. With the exception of one month's privilege leave from the 6th May to 5th June 1908, Mr. Watson was employed under the Board of Revenue throughout the year. He continued the work of inspection and reorganization of the record-rooms noted in the margin, and commenced the work of inspection and reorganization of the Forms and Stationery Departments throughout Bengal. In Calcutta he inspected the office of the Inspector-General of Prisons, and his suggestions in connection therewith have been accepted. He has also reported on the proposed new Forms Department building to be used in conjunction with the new Jail Press.

The Board are of the opinion that Mr. Watson has rendered valuable services during the year, but very much remains to be done before the record-rooms can be said to be in fair order. Even then constant supervision will be required, for which Collectors have not time. Hitherto, the frequency with which the Deputy Collectors in charge of record-rooms have been transferred, has prevented them from exercising proper control; but it is hoped that in future this cause of inefficiency will be less frequent.

Treasure Trove Act, VI of 1878.

154. During the year under review seven new cases were reported, as against the same number in the previous year. Two cases were of some interest. In one case four labourers employed in the house of one Budhan Kumhar in Patna City found Rs. 248 in current coins buried under-ground and took them away without the owner's knowledge. Proceedings were taken under section 20 of the Act, and the accused persons were convicted. Out of Rs. 248, a sum of Rs. 186 only was recovered and placed in revenue deposit. The owner of the house claiming the amount, was given time to bring a suit to establish his claim. The other case was in Shahabad. One Mussamat Bhagirathia found three ingots of gold, and made over two of them to a relative of hers for making ornaments. The latter made over the ingots to two goldsmiths, who swindled him by substituting pieces of brass. The two goldsmiths were tried and convicted. The third ingot weighing 51½ tolahs, and valued at Rs. 1,082, was taken by the Collector and sold by auction under the orders of Government for Rs. 995.

Training of Munsiffs in survey and settlement work.

155. In accordance with standing arrangements, six Munsiffs were deputed for training in survey and settlement work at the beginning of the field season of 1907-08. Of the four Munsiffs posted to the Bihar Settlement, one had to leave it on account of an accident, and one of the two officers sent to the Chota Nagpur Settlement had to revert to the judicial line, because

he was physically unequal to the work. The remainder worked to the satisfaction of the Settlement Officers and with credit to themselves. They did as much work as other Assistant Settlement Officers. The arrangement continues to prove very successful.

Weather and crops.

156. Appendix XXVII shows the mean rainfall of each district in each of the last five years, and also the normal mean. The rainfall of the province was below the normal mean in all districts, except Bankura, Hooghly, Howrah, 24-Parganas, Puri, Sambalpur and Ranchi, and it was extraordinarily deficient in those districts which have the lowest mean rainfall, namely, the whole of Bihar and Palamau.

Burdwan Division.

157. The rainfall in the Burdwan Division generally was for the most part copious and well distributed at the beginning and thoughout the sowing season, though it commenced somewhat late in Birbhum. The *bhadoi* crops suffered considerably from excessive rain in July, and from the ravages of insect pests; so that on the average this harvest in the division was only about 70 per cent. of the normal, and was distinctly poor in Howrah and Bankura. The jute crop was poorer still, as it suffered not only from excessive rain in July, but from want of rain at the proper season for sowing. Owing to the early cessation of the rain, the winter rice crop was, for the division as a whole, about 15 per cent. below the normal. In Bankura it slightly exceeded the average, but in Howrah it was only three-fourths of a normal crop. The total absence of rain from the beginning of October seriously affected the *rabi* harvest, and the outturn for the division was only about 57 per cent. of a normal crop.

Presidency Division.

158. The rainfall was generally badly distributed, It was excessive in June and July, and practically ceased in October. Still the total outturn of the crops was better than that of the preceding year. In the 24-Parganas it was slightly above the normal; in Khulna it was slightly below, and in the remaining districts considerably below the normal. Generally speaking, the heavy rains of June and July damaged the *bhadoi* crops, and, to a certain extent, the winter rice also; whilst the winter rice and *rabi* crops were affected by the drought which began in October. In the Baraset and Basirhat Subdivisions of the 24-Parganas district the *bhadoi* and winter rice crops were also damaged by insect pests. In the Sundarbans tract of the 24-Parganas and Khulna the outturn of the winter rice crops was satisfactory. In Nadia the outturn of the both *bhadoi* and winter rice crop was poor, and owing to the early cessation of the rains the area under the *rabi* crops was greatly contracted. In Murshidabad the *rabi* crops were benefited by a little rain in the cold weather.

Patna Division.

159.—In Patna and Shahabad the rainfall was very deficient in October, and there was practically no rain in November and December in any of the districts. The want of sufficient rain during the monsoon season and its early cessation adversely affected the outturn of the *bhadoi* crop. As regards the winter rice, the absence of rain from October to December seriously diminished the produce. The *rabi* crops suffered early in the season owing to the want of rain and the absence of moisture in the soil, but favourable rainfall in January last much improved their condition, and much more well irrigation than usual was adopted. The result was a comparatively fair outturn.

Tirhut Division.

160. The rainfall during the year was considerably below the average and badly distributed. Want of sufficient rain during the monsoon season prevented the sowing of the full normal area under the *bhadoi* crops; and the draught between the middle of July and the early part of September interfered with their growth and the transplantation of the winter paddy. The draught from September to the close of the year resulted in the failure of the winter paddy over a large portion of the division, and reduced the area of the *rabi* sowings. In parts of the *sadar* and the Sitamarhi subdivision of Muzaffarpur, the paddy was a total failure, and scarcity resulted. Champaran and Saran also suffered, though less reverely. The failure in Darbhanga was bad; the people had little resisting power, and famine relief operations became necessary in a great part of the district.

Bhagalpur Division.

161. The general result of the bad distribution of the rain on the harvests of the year was that all the crops suffered more or less in all the districts in the division, except in the Sonthal Parganas, where the outturn was generally a little better than that of the previous year. Out of the three seasonal crops, viz., *bhadoi*, winter rice and *rabi*, winter rice suffered most, especially in Purnea where it is the principal of the food crops. The jute crop is of considerable importance in that district, and great loss was caused to the cultivators owing to the want of sufficient water for steeping the fibre.

Orissa Division.

162. The rainfall was generally insufficient until the middle of June, but there were heavy rains in July and August, resulting in floods in parts of the division, which did some damage to the *bhadoi* and winter rice crops in the low-lying tracts of Puri, Balasore and Cuttack. Generally speaking, however, the condition of both crops was good throughout the division. The rainfall was deficient towards the end of September and the beginning of October, and, but for this the winter rice crop would have been a bumper one. The short rainfall of October also retarded *rabi* sowings and injuriously affected the outturn of the crop. In Sambalpur the rainfall of the year was the highest in the quinquennial period, and the outturn of the various crops was above the average.

Chota Nagpur Division.

163. The distribution of the rainfall was on the whole good and, but for the somewhat abrupt cessation of the monsoon would have been very favourable. The outturn of all the crops was much greater than in the previous year. In Ranchi, Manbhum and Singhbhum the crops were distinctly good; in Hazaribagh they were very fair; in Palamau they were only fair. Throughout the division the *rabi* crop gave the poorest results. Except in a small area in Palamau where there has been a succession of bad or indifferent crops, the crop outturn of the division has been so satisfactory as to enable the people to recover from the scarcity which ensued on the bad crops of 1907-08.

164. The outturn of crops is shown for the year under report, and for the four preceding years, in Appendix XXVIII. It has been prepared in the form prescribed in paragraph 4 of the Government order No. 4429, dated the 26th December 1901, with the object of providing information for reference in case of scarcity.

Prices of food.

165. The average prices during the last three years of salt and of the principal food-grains—rice, wheat, barley, gram and maize—are shown in Appendix XXIX. Compared with the previous year, common rice was cheaper in all districts excepting Howrah, Patna, Muzaffarpur, Darbhanga, Monghyr, Purnea, Puri, Hazaribagh and Ranchi. Wheat was much dearer than in the preceding year in all districts excepting Murshidabad and Champaran. Barley was cheaper in Murshidabad, Patna, Gaya, Shahabad, Muzaffarpur, Darbhanga, Champaran, Monghyr and Palamau, and dearer in all the other districts except Singhbhum. Gram was also much dearer in all districts except Murshidabad, Khulna and Monghyr; in Gaya alone the price was unchanged. In 9 out of 17 districts there was a slight fall in the price of maize; in Calcutta the price was stationary; in the remaining districts there was a rise. There was a substantial fall in the price of salt in all districts except Howrah, Nadia and the Sonthal Parganas. The price was stationary in Calcutta and Sambalpur.

Wages of labour.

166. In the Burdwan Division there was no appreciable modification in the wages and demand for labour. Wages generally remained at the very high level of 1907-1908, and even exceeded it in Hooghly and Howrah, owing to the demand for labour in industrial concerns. In the Presidency Division local causes led to a slight rise in wages in Khulna; but in the 24-Parganas there was a slight fall towards the end of the year, in consequence of the good harvest of winter rice. In the Patna and Tirhut Divisions the high price of food-grains tends to force wages upwards; and subsidiary causes contributing to the same result are the greater demand for skilled labour in towns, mills and

places where railway construction is in progress, and the emigration of labouring classes to industrial centres in Eastern Bengal, Assam and elsewhere. A strike occurred in the Bettiah Subdivision in April 1908, because cultivators wanted to commute the wages of their labourers from grain to cash on the basis of the lower prices of previous years. The labourers refused to work, and the cultivators themselves had to cut their *rabi* crops. In the Bhagalpur Division the labourers of the Bhagalpur district are quite willing to work at the old rate of grain wages, but are reluctant to work at the old rate of money wages. In Purnea wages rose to eight annas or more a day in the jute season. In Darjeeling the tea industry has continued to suffer from a short supply of labour. In the Sonthal Parganas a rise in wages took place in the Pakaur and Rajmahal Subdivisions.

In Orissa this tendency to an increase in wages was seen in Cuttack, Puri and Sambalpur; but in Angul the cultivators tried with some success to reduce the grain wages of their labourers. In the remaining district, Balasore, wages remained stationary. In the Chota Nagpur Division the labour market continued active, and the wages of labourers remained high.

Material condition of the people.

167. The outstanding feature of the year was the comparative poorness of the harvests, succeeding two years of bad crops. In consequence the year was one of hardship for almost all cultivators, except the small minority whose lands are so extensive that they are certain to have a surplus of grain for sale, however poor the year. In addition the resulting high price of food-grains caused distress to families living on small fixed cash incomes, and to a less extent to labourers, though wages responded quickly to the rise in the price of grain. The measures adopted by Government included an unprecedentedly liberal grant of loans under the Land Improvement and the Agriculturists' Loans Acts, extended to every district where there was need, and the opening of relief works for the able-bodied and gratuitous relief for the enfeebled, where the distress was acute. The labouring classes also moved a little more freely in search of work, though the aboriginal and semi-aboriginal tribes and castes as usual proved much the most mobile perhaps the most distressed districts was Darbhanga. There the population is very dense, and is reported to be specially deficient in the spirit of self-help, affording a marked contrast to the self-resource of the people of Saran. In Bhagalpur very considerable progress was made in improving the local irrigation works, in which task Mr. Lyall has been successful in obtaining the co-operation of many of the more enlightened zamindars. In Nadia also very large sums of money were advanced (free of interest) for the construction or improvement of tanks, but these were mainly for drinking purposes.

There was very serious epidemic disease in many of the districts and, though the mortality from plague generally decreased, there was a great increase in the deaths due to small-pox and cholera.

There was a slight fall in prices towards the end of the year, but good crops for two successive years will be required in most districts to restore to the agricultural classes their former economical condition.

Economic developments.

Burdwan Division.

168. In the district of Hooghly the hand-loom industry continues to flourish, and the condition of the weavers has improved. The Government Central Weaving School at Serampore was opened in January last. It consists of two branches:—(1) a higher class for the instruction of men likely to become manufacturers, or assistants to manufacturers, or teachers; and (2) a lower class for the instruction of artisan weavers and their sons. The other industries of the district, such as silk-weaving, brass and bell-metal works, brick-making, etc., remained in much the same state as before. In connection with the agricultural and industrial exhibition held at Chinsura in February, attempts are being made to introduce new industries into the district, and to effect improvements in existing ones. A steel trunk factory has been established at Chinsura, and an effort has been made to introduce glass-blowing, but so far it has not been successful. There is no economic development noticeable in Midnapore. In Burdwan the brassware industry at Dainhat and Begunkola is declining, owing, it is said, to the difficulty of transport due to the gradual silting up of

the Bhagirathi. Silk weaving in the Katwa subdivision is more remunerative than before and cotton weaving is flourishing. *Biris* (country-made cigarettes) are manufactured in Asansol and are gradually taking the place of imported cigarettes. Tea drinking is gaining ground among labourers in mines and factories at Asansol. The Collector of Burdwan reports that the people of the district are extremely lethargic and conservative and do not care to take up any new venture, so that there is no probability of any financial or industrial combination in the near future. The co-operative credit society which was started last year at Kesabpur with an advance of Rs. 200 from Government is reported to be doing tolerably well, and the capital is said to have increased to Rs. 800. In Bankura the use of rock and *karkach* salt is said to be spreading in consequence of the movement in favour of indigenous industries. In Birbhum, the Sub-divisional Officer of Rampur Hât reports that, in spite of a series of bad years, the standard of comfort among the labouring classes seems to have risen continually. The use of tea, cigarettes and matches is spreading among the labouring classes, and the higher classes indulge in watches, bicycles, gramophones and harmoniums to an increasing extent.

Presidency Division.

169. In Murshidabad the indigenous weavers have made considerable improvement, and in many cases country looms have been replaced by fly-shuttle looms. These are also largely used in Jessore and Khulna, but improved patterns have not yet been adopted in the latter district. In Murshidabad the manufacture of steel boxes and trunks was prospering and a considerable trade was carried on in silk cloths and bell-metal. Agricultural and industrial exhibitions were held at Basirhat and Baraset in the 24-Parganas, at Kasimbazar in Murshidabad, and at the *sadar* stations of Jessore and Khulna, and every encouragement was given to these exhibitions by the District Officers. The Collector of Khulna remarks that the people of that district do not yet show any grasp of the principles of limited liability and joint-stock enterprise. The Collectors of the 24-Parganas and Jessore have also noticed the absence of indigenous joint-stock enterprise among the people, and Mr. Bompas regards the aversion of the higher castes for trades and industries as a formidable difficulty in the way of economic development. Owing to depression in the trade the extension of jute cultivation received a check in all parts of the division.

Labour is highly paid in parts of the 24-Parganas, where there are important industries established by European capital and enterprise, and its standard of living is rising. Umbrellas, shoes, cigarettes, scents and aerated waters are now necessaries with labourers. In Nadia and Murshidabad the standard of living is gradually rising among all classes. The Collector of Murshidabad notices a marked increase in the use of bicycles by the middle class town-people. The habits of tea drinking and smoking cigarettes are on the increase in Nadia and Murshidabad.

Patna Division.

170. The condition of the Patna Division remains much the same as before as regards economic developments. The younger generation in the towns has a tendency to live more comfortably, and the use of some of the articles, which were formerly classed as luxuries, is now regarded as a necessity. The Bihar Industrial and Agricultural Exhibition was, as usual, held at Bankipore and was well attended. In the district of Gaya the mica mine industry in the Nawada subdivision and the lac factories at Imamganj and Raniganj continued to be worked during the year, and the latter industry is reported to be in a flourishing condition. The corn mill in the town of Gaya, started two years ago, continues to be worked. Besides husking paddy, the mill was used for crushing tobacco leaves, grinding flour and preparing oil. The business is reported to promise well. An ice manufacturing company has also been recently started there. The Collector of Shahabad does not expect any speedy improvement in industries, as he says that the people of his district are purely agricultural and generally averse to innovations. The proposed light railway from Arrah to Sasaram is likely to open up the country and help in the development of the natural resources of the district; and the tramway from Dehri-on-Sone to

Akhbarpur, which is now being taking up, will afford the means for exporting forest produce from the Banskati Mahals and other jungle tracts around Rohtas.

Tirhut Division.

171. The economic condition of the Tirhut Division undergoes little change, the people being conservative and deficient in combination, enterprise and organization. The only noticeable social changes are the growth of the habit of smoking cigarettes among the poorer classes in urban areas, and the use of tea and aerated waters among the richer classes, both in the towns and country. The co-operative credit societies have so far shown no signs of success. There is in the district of Muzaffarpur a conspicuous absence of efforts for the improvement of agricultural methods; some impetus has, however, been given in this direction by the Agricultural Department in establishing an agri-horticultural exhibition, comprising all the the agricultural and horticultural industries of Bihar. In the Darbhanga district the only manufactures of importance are indigo, sugar, salt and saltpetre, and all these are reported to be in a fairly good condition. The decline in the cultivation of indigo has been to some extent arrested by the introduction of the new Java-Natal seed; and the industry is now just holding its own, in spite of bad seasons and low prices. The indigo and sugar industries are the most important in the Champaran district. Owing to drought the outturn of each crop was poor and each trade has suffered in consequence. The decline in the selling price of jute has led some factories to give it up altogether. A machine for manufacturing mother-of-pearl buttons, started during the year in the interior of the district, is said to be making progress. The Marhaura sugar factory in the district of Saran has been recently closed for want of sugar-cane consequent on the scarcity of rain.

Bhagalpur Division.

172. The construction of the factory buildings of the Peninsula Tobacco Company in Monghyr, begun in 1907-08, was completed during the year under report, and the manufacture of cigarettes and tobacco is now carried on in the factory on a large scale. The habit of cigarette smoking is reported to be on the increase. A mill for *surki*, flour and oil was opened in Monghyr, but the work done has been on a very small scale. Messrs. Ambler and Company's slate quarrying business is developing, and several improvements have been introduced during the year. The mica mines in the Jamui subdivision show no sign of expansion, the demand for this product having fallen off. Sugar is manufactured by country processes in the Jamui subdivision and *gur* (molasses) is exported in considerable quantities. In the Begusarai subdivision foreign sugar is said to be regaining its popularity. Cloth is woven in country looms in various parts of the district and meets with so brisk a demand that weavers were better off than other classes. In Bhagalpur steps have been taken there to improve agricultural implements, etc., and attempts have been made to establish co-operative credit societies and agricultural banks for the cultivators and a fair amount of success has been achieved in Madhipura owing to the interest taken by the Subdivisional Officer. In addition to one such society established last year at Gulama, five agricultural banks have been started in the subdivision by the Subdivisional Officer's personal influence. Tea drinking and cigarette smoking have become common among the educated classes. The establishment of the tobacco factory at Monghyr has flooded the market with cheap cigarettes. In the Sonthal Parganas the same growth of the use of tea and cigarettes is observed. Owing to the sudden fall in the price of lac, business in the factories at Pakaur has become dull, and the profits derived by the aboriginals, who grow it largely, diminished during the year under report.

Orissa Division.

173. There was no noticeable change in the ordinary habits and methods of life of the people of Orissa Division during the year under report. The Collector of Cuttack writes:—

"Distress at home compelled enterprise abroad, and there was a considerable emigration to Calcutta and other places. One alleviating feature was the steady increase of money-order payments received from relatives out of Orissa."

In Balasore the habits of drinking tea and smoking cigarettes have grown up among the poorer classes, chiefly in the towns. The Collector of Puri writes:—

"Trade is almost an unknown thing among the indigenous population, though people from other parts of the country do a large trade in rice throughout the district. The art of weaving is gradually dying out of the district, and yet no endeavour is made to improve the method by introducing the fly-shuttle loom or the hand-loom or by any other means."

The people of Angul are very backward, and live chiefly on their home products; but within the last few years they have been spending more on clothes and other imported articles. Only a few among them follow any non-agricultural industry or trade. The Kandhs are said to have been much more temperate of late. The habits of the people of Sambalpur are undergoing little change. Tea, manufactured cigarettes and such like luxuries are rarely used. The demand for education, however, is on the increase.

Chota Nagpur Division.

174. In Hazaribagh there has been a steady progress in the development of the mineral resources of the district. New coal fields are being prospected, mica mining is being taken up by new firms, and some prospecting for other minerals has been done. The mica industry, however, was not very flourishing, and nearly all work was stopped during the latter part of the year owing to the dulness of the American market. A new coke and by-product plant, the first of its kind in India, has been started by the East Indian Railway Company in the Giridih subdivision. In Ranchi grain *golas* and co-operative credit societies have been started in a few Government estate villages. The aboriginals, who form the majority of the cultivators of the district, are taking to the use of machine-made European cloths, brass and enamelled utensils, and small fancy articles. In Palamau work has again been started at the Singra Colliery, and the Japla Limestone Company has extended its operations. In Manbhum the coal industry has made great progress, but there have been no signs of agricultural development. The smaller luxuries of tea, cigarettes, imported clothes and umbrellas are as elsewhere gradually extending; and a somewhat higher standard of living is apparent. In Singhbhum the opening of several mining and prospecting operations, Messrs. Tata and Company's works, and the Kalimati-Gurmasini extension of the Bengal-Nagpur Railway enabled the labouring class to earn high wages. The cultivation of lac and the rearing of tasar cocoons have considerably increased owing to the high prices obtained therefrom. Aboriginal ideas of physical comfort are advancing; and luxuries, such as woollen wrappers, coats, *chaddars*, soap and kerosine oil, are common.

Charge of Divisions.

175. The following Commissioners held office throughout the year:—

*Bhagalpur Division.*—Mr. E. H. C. Walsh.

*Tirhut Division.*—Mr. R. T. Greer, C.S.I. (from the date of the formation of the Division.)

*Chota Nagpur Division.*—Mr. H. J. McIntosh.

In the remaining Divisions the following changes took place:—

*Burdwan Division.*—Mr. S. L. Maddox was in charge from the 1st April to the 11th November 1908, and Mr. D. J. Macpherson, C.I.E., for the remainder of the year.

*Presidency Division.*—The Hon'ble Mr. E. W. Collin was in charge from the 1st April to the 15th July 1908, and from the 29th September 1908 to the 31st March 1909, and Mr. J. G. Cumming for the intervening period.

*Patna Division.*—Mr. E. V. Levinge was in charge from the 1st April 1908 to the 14th May 1908, Mr. J. Clark from the 15th May to the 17th June 1908, Mr. A. Earle from the 18th June 1908 to the 22nd February 1909, and Mr. W. Maude from the 23rd February 1909 to the close of the year.

*Orissa Division.*—Mr. F. W. Duke was in charge from the 1st April 1908 to the 19th May 1908, and Mr. E. V. Levinge for the rest of the year.

Merits of officers.

176. The Board desire to acknowledge the valuable assistance they have received from the Commissioners of Divisions generally in the administration of the Land

Revenue Department. The following District Officers deserve special mention for good revenue work during the year:—

*Collectors and Deputy Commissioners.*

Mr. J. H. Lea.
" A. G. Hallifax.
" J. G. Cumming.
" C. H. Bompas.
" W. Egerton.
" J. Lang.
" H. F. Samman.
" J. A. Ezechiel.
Mr. F. F. Lyall.
" H. Coupland.
" H. L. Stephenson.
" A. Garrett.
" W. A. Marr.
" A. N. Moberly.
" H. C. Woodman.
" S. R. Hignell.

The following names of other officers deserving of commendation have been taken from the lists furnished by the Divisional Commissioners:—

*Covenanted Deputy Collectors and Assistants.*

Mr. L. Birley.
" T. S. Macpherson.
" J. Byrne.
" J. T. Whitty.
" H. R. T. S. Perrott.
Mr. P. S. Shettle.
" H. E. Spry.
" H. A. F. Lindsay.
" A. L. Inglis.
" A. K. Jameson.
Mr. F. G. Rowland.

*Officers of the Provincial and Subordinate Civil Services.*

1st grade Deputy Collector ... Babu Kumud Nath Mukharji.

2nd grade Deputy Collectors ... Babu Khagendra Nath Mitra.
Mr. W. H. Thomson.

3rd grade Deputy Collectors ... Mr. H. H. Heard.
Babu Krishnakali Mukharji.
" Basanta Krishna Bose.
" Banshi Dhar Banarji.

4th grade Deputy Collectors ... Babu Sarada Prasad Sarkar.
" Chandra Shekhar Kar.
" Hiralal Banarji.
" Mano Mohan Ray.
" Surendra Nath Mazumdar
" Sukumar Haldar.
" Kanti Bhushan Sen.
Rai Chandi Charan Chatarji Bahadur.
Mr. Krishnaji Anant Shirole.
Babu Rakhal Mohan Banarji.
" Rakhal Das Chatarji
" Charu Chandra Chatarji (No. I).
" Nibaran Chandra Ghatack.
" Sharat Chandra Sen Gupta.

5th grade Deputy Collectors ... Babu Hemendra Lal Khastgir.
Maulvi Khundkar Fazl-ul-Hakk.
Babu Nagendra Nath Mitra.
" Jyotish Chandra Sen.
" Mati Lal Ray.
" Narendra Kumar Chaudhuri.
Mr. Sultan Saiyid Saadat Husain.
Maulvi Abdul Hakk.
Babu Charu Chandra Chatarji (No. II).
" Jogendra Nath Chakrabatti.
Maulvi Saiyid Ahmad Ali Khan.
Babu Probodh Chandra Chatarji.
" Satyendra Nath Das.
Mr. R. B. Bainbridge.
*Nawabzada* Saiyid Ali Ashraf.

6th grade Deputy Collectors ... Babu Surendra Nath Chakrabatti.
Rai Purna Chandra Maulik Bahadur.
Mr. Piyara Mirza.
Babu Jatindra Nath Gupta.
" Narendra Kumar Ghose.
Rai Durga Prasad Bahadur.
Babu Satish Chandra Mukharji.
" Jogesh Chandra Dutt.
" Mathura Nath Banarji.

| | |
|---|---|
| 7th grade Deputy Collectors ... | Babu Gyanada Prasad Ghose.<br>" Awadh Kumar Singh. |
| 8th grade Deputy Collector ... | Mr. L. E. Smith. |
| 2nd grade Sub-Deputy Collectors | Babu Baij Nath Sahay (No. I).<br>" Shishir Kumar Chatarji.<br>" Mahendra Nath Gupta.<br>Maulvi Sadad Abul Mamud.<br>Babu Rebati Nath Chatarji. |
| 3rd grade Sub-Deputy Collectors | Babu Balmukunda Bahidar.<br>" Nripendra Nath Ray.<br>Maulvi Saiyid Izhar Hasan.<br>Babu Ashutosh Deb.<br>" Kshitish Chandra Haldar.<br>" Prabodh Chandra Mazumdar. |
| 4th grade Sub-Deputy Collectors | Babu Mallinath Ray.<br>" Labanya Mohan Sanyal. |
| 5th grade Sub-Deputy Collector ... | Maulvi Saiyid Altaf Ahmad. |

## RESOLUTION ON THE ADMINISTRATION REPORT OF THE HOWRAH BRIDGE FOR THE YEAR 1908-09.

No. 2751 Marine.

# Government of Bengal.

MARINE DEPARTMENT.

*Dated Calcutta, the 29th November 1909.*

RESOLUTION.

## Administration Report of the Howrah Bridge for the year 1908-09.

READ—

The Administration Report of the Howrah Bridge for the year 1909-10.

The receipts amounted to Rs. 2,24,769 during the year and the expenditure to Rs. 2,30,253, as compared with Rs. 2,40,593 and Rs. 2,21,111, respectively, in the previous year. There was therefore a deficit of Rs. 5,484 during the year as compared with a surplus of Rs. 19,482 in 1907-08.

2. The decrease in the income of the year was due to a falling off of the receipts from the Railway traffic, which amounted to Rs. 2,01,065 as against Rs. 2,16,360 in the preceding year. The rise in expenditure was mainly due to the increase under the heads "Establishment" and "Maintenance and Repairs."

3. The following is a statement of the vessels that passed through the Bridge during 1908-09 and the previous four years :—

| | 1908-09. | 1907-08. | 1906-07. | 1905-06. | 1904-05. |
|---|---|---|---|---|---|
| Sea-going vessels ... ... | 139 | 130 | 148 | 120 | 144 |
| Inland steamers and flats ... ... | 2,103 | 2,033 | 1,870 | 1,484 | 1,381 |
| Steam-tugs and steam-launches ... | 725 | 715 | 934 | 1,166 | 1,223 |
| Port Commissioners' vessels ... ... | 150 | 133 | 179 | 163 | 114 |
| Government steamers and flats ... | 25 | 9 | 11 | 5 | 3 |
| Total ... | 3,142 | 3,020 | 3,142 | 2,945 | 2,865 |

4. Twenty-seven accidents took place during the year, against 34 in 1907-08. Six cargo-boats were sunk.

By order of the Lieutenant-Governor of Bengal,

T. BUTLER,

*Secretary to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 29th November 1909.*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 11½ | 9½ | *Rabi* crops doing well. Harvesting of *aman* paddy continuing. Planting of potatoes nearly finished. Cattle-disease reported from several places of the Sadar subdivision. Stocks of food-grains, fodder and drinking-water sufficient. Prices rapidly falling. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Rainfall at Rampur Hàt *nil*. *Aus* crops being harvested. Standing crops doing well. Fodder and water sufficient. No apprehension of scarcity. No cattle-disease. |
| 3 | BANKURA ... | Nil | 11½ | 11 | Weather seasonable. Sowing of *rabi* crops finished. Prospects of sugarcane fair. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE ... | Nil | 10 | 9 | Rainfall at Contai, Tamluk and at Ghatal *nil*. Weather seasonable. Cultivation of *rabi* crops finished in the Ghatal subdivision. *Boro* seedlings being grown in Ghatal. Sowing of late cotton in progress in Contai. Cattle-disease in thana Salbani only. Fodder and water sufficient. Common rice selling at 14 seers per rupee at Contai, at 9 seers at Tamluk and at 12 seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 9 | 9 | Weather seasonable. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Sowing of *rabi* crops continuing. Harvesting of winter paddy commenced. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | Nil | 9½ | 9½ | Weather seasonable. Harvesting of winter rice going on at places. That of *aus* paddy and jute finished. *Rabi* sowings progressing. Prospects of sugarcane and vegetables fair. Stocks of food-grains and fodder and water sufficient. No cattle-disease reported. Common rice selling at 10 seers per rupee at Ulubaria. |
| 7 | 24-PARGANAS | Nil | 8½ | 8½ | Weather seasonable. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9 seers at Barrackpore, at 10½ seers at Basirhat and at 11 7/16 seers at Diamond Harbour. |
| 8 | NADIA ... | Nil | 11 13/16 | 11 13/16 | Sowing of *rabi* crops almost finished. Harvesting of winter rice, *kalai* and *til* continuing. Prospects of standing crops good. Prices stationary. Stocks of food-grains and fodder and water sufficient. No cattle-disease. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | Nil | ... | 11½ | Weather seasonable. Condition of standing crops satisfactory. Harvesting of early *aman* paddy commenced. Cultivation of *rabi* crops nearly finished. No cattle-disease. Fodder and water sufficient. Agricultural stock in fair condition. Report from Lalbagh not received. |
| 10 | JESSORE ... | Nil | 11⅞ | 11¾ | Weather seasonable. Harvesting of winter rice and sowing of *rabi* crops going on. Prospects fair. Stocks of food-grains and fodder and water sufficient. Cattle-disease reported from the Jhenidah subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 9½ | 9½ | Weather cooler. Prospects of standing crops good. |
| 12 | PATNA ... | Nil | 12<br>21* | 12<br>20* | Weather seasonable. Rain wanted for paddy on high lands and for *rabi* crops. Harvesting of early paddy begun in places. Sugarcane-pressing going on. No cattle-disease. Fodder and water sufficient. |
| 13 | GAYA ... | Nil | 12 13/16<br>20 1/16* | 12 9/16<br>19⅞* | Weather cold. *Aghani* paddy ripening. *Katika* and *karbani* crops being harvested. Sowing of poppy and other *rabi* crops going on. *Rabi* crops coming up well. Prices falling. Cattle-disease reported from the Sadar and Aurangabad subdivisions. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | Nil | 11<br>18* | 10<br>17* | Standing crops doing well. Harvesting of winter rice going on. *Rabi* crops germinating fairly well. Condition of agricultural stock normal. Fodder and water sufficient. No cattle-disease reported. |
| 15 | SARAN ... | Nil | 12½<br>20* | 12½<br>20* | Weather seasonable. Harvesting of paddy begun. Sowing of *rabi* crops almost finished. Poppy being sown. Prices of staple food-grains stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 12¾<br>21¼* | 12<br>20½* | Weather seasonable. Agricultural stock in good condition. Condition of standing crops good. Sowing of *rabi* crops continuing. Fodder and water sufficient. Cattle-disease reported from Ramnagar. |
| 17 | MUZAFFARPUR | Nil | 12¾<br>21* | 12¾<br>21* | Weather seasonable. Prospects of all standing crops excellent. *Rabi* sowings still proceeding. Harvesting of paddy commenced. Common rice and *makai* selling at 13¼ and 23 seers a rupee respectively at Sitamarhi and at 10½ and 18½ seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Pupri and Paru thanas. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 18 | DARBHANGA ... | Nil | 14 5/16<br>20 7/8* | 13 5/16<br>20 7/8* | Weather seasonable. Prospects of standing crops good. *Rabi* sowings still in progress. Food-stocks sufficient. Fodder and water sufficient. Cattle-disease reported from one village in Banipati thana. Common rice (average quality) selling at 9 15/16 seers a rupee at Sadar. *Makai* selling at 20 7/8 seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 10 1/2<br>18* | 9 3/4<br>19* | Weather seasonable. Sowing of *rabi* crops nearly finished. Paddy crop doing well. Fodder and water sufficient. Cattle-disease reported from Gogri and Monghyr thanas. |
| 20 | BHAGALPUR ... | Nil | 13 7/8<br>20 1/4* | 11 3/8<br>20 1/4 | Weather seasonable. Prospects of *aghani* paddy and *kurthi* very good. A bumper crop expected. Harvesting of *aghani* paddy going on briskly. Condition of agricultural stock good. Cattle-disease reported from Supaul, Bhimnagar and Pratapganj. |
| 21 | PURNEA ... | Nil | 13 | 12 | Weather seasonable. Prospects of standing crops good. Rain wanted to improve their prospects. Harvesting of *aghani* paddy going on. *Rabi* sowings still in progress. Cattle-disease reported from Forbesganj and Raniganj thanas. Fodder and water sufficient. Common rice selling at 13 seers per rupee at Araria. Report from Kishanganj not received. |
| 22 | DARJEELING ... | 0·05 | 8<br>15* | 8<br>15* | Weather seasonable Hills—*Bara marua*, *bhadoi* paddy being harvested. *Chota marua*, winter rice, oilseeds, wheat and barley growing. Terai—Sowing of *rabi* crops finished. Prospects good. Prices stationary. |
| 23 | SONTHAL PARGANAS. | ... | 16 1/4<br>24 3/4* | 16<br>26* | Weather seasonable. Harvesting of winter paddy going on. Prospects of standing crops very favourable. Prices of staple food-grains falling. Stocks of food-grains likely to last till the next harvest. Cattle-disease reported from Rajmahal. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 13 3/4 | 13 3/4 | *Laghu saradh* being harvested and *guru saradh* being cut. Early cotton being harvested. *Biri*, *mung* and *kulthi* growing. Late cotton being sown. Cattle-disease reported from Kendrapara and Banki. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches | | | |
| 25 | BALASORE ... | Nil | 15 | 15 | Rainfall at Bhadrak *nil*. Weather seasonable. Harvesting of *saradh* going on. Pressing of sugarcane commenced. *Rabi* crops in flower and fruit. Vegetables progressing well. Condition of cattle good. Coarse rice selling at 16 seers per rupee at Bhadrak. Prices stationary at Sadar and falling at Bhadrak. |
| 26 | ANGUL ... | Nil | 18 | Old $16\frac{13}{16}$ | Weather seasonable. Harvesting of winter rice and *rabi* crops in progress. Common rice selling at $13\frac{1}{2}$ seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported. |
| 27 | PURI ... | Nil | $11\frac{13}{16}$ | $11\frac{13}{16}$ | Weather seasonable. *Saradh* paddy ripening. *Lughu* paddy being harvested. Sugarcane being pressed. *Kulthi* and mustard thriving well. Fodder and water sufficient. Cattle-disease reported. Common rice selling at $14\frac{7}{16}$ seers per rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 16 | 16 | Reaping of winter rice and threshing of winter and autumn rice in progress. Harvesting of cotton, *mung*, *til* and *kulthi* continuing. Condition of standing crops and sugarcane good. Stocks of food-grains, fodder and water supply sufficient. No apprehension of scarcity. Malignant sore-throat, foot-and-mouth diseases reported. Common rice (average quality) selling at 15 seers a rupee at Sadar. Cheapest rice selling at 18 seers a rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | $12\frac{1}{2}$ / 20* | $12\frac{1}{2}$ / 20* | Weather seasonable. Harvesting of paddy continuing. Condition of standing crops good. Fodder and water sufficient. |
| 30 | RANCHI ... | Nil | $13\frac{1}{2}$ | 13 | Weather seasonable. Harvesting of paddy continuing. State of standing crops good. *Sirguja* and *arhar* being harvested in places. Cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | $11\frac{1}{4}$† | $12\frac{3}{8}$† | Weather seasonable. Harvesting of paddy continuing. Rain wanted for *rabi* crops. Sugarcane being pressed. Fodder and water sufficient. Some cattle-disease. |
| 32 | MANBHUM ... | Nil | 14 | 13 | Weather seasonable. State of standing crops good. Harvesting of winter rice in progress. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains almost stationary. Common rice selling at 11 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 12 | 12 | Weather cold. Harvesting of winter paddy nearly completed. Condition of cattle good. Fodder and water sufficient. Common rice selling at 12 and $14\frac{1}{2}$ seers a rupee at Seraikella and Kharsawan, respectively. |

* The figures indicate price of the maize in seers per rupee.
† New rice.

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 34 | COOCH BEHAR | Nil | 8 | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Harvesting of *hainantik* paddy commenced in some places. Prices of food-grains stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. Rainfall in inches.<br>Hindol ... 0·03.<br>Weather seasonable. Harvesting of winter paddy in progress. Pressing of sugarcane commenced in Ranpur and Talcher. Standing crops doing well, but rain badly wanted in Dhenkanal for *rabi* and miscellaneous crops. Prospects of late winter paddy good. Fodder and water sufficient. During the week, price of rice fallen in four States, risen in one State and stationary in the remaining States: price varying from 13 seers in Khandpara and 15 seers in Rairakhol and Athmalik to 22 seers in Sonpur, Kalahandi, Baud and Bamra and 28 seers in Bonai. |

* The report is for the week ending the 20th November 1909.

GENERAL SUMMARY.—There was no rain during the week except a few showers in Darjeeling. Sowing of *rabi* and harvesting of winter paddy are in progress. Pressing of sugarcane continues in some districts of Bihar, and has commenced in Balasore, Puri and Palamau. The prospects of all crops are good. The price of rice has fallen in fifteen districts and is stationary in seventeen districts. Cattle-disease is reported from Burdwan, Midnapore, Jessore, Gaya, Ranchi, Palamau, Manbhum and from the Tirhut, Bhagalpur and Orissa Divisions also. The supply of fodder and water is sufficient.

DEPARTMENT OF AGRICULTURE, BENGAL.
*Calcutta, the 30th November 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 20th November 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo | Week ending Saturday, the 20th November 1909. | | | Week ending Saturday, the 21st November 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds | Rs. |
| Rice and paddy ... ... | 421 | 43,205 | 675 | 486 | 47,105 | 756 |
| Jute ... ... | 269 | 85,535* | 1,301 | 333 | 116,915† | 1,928 |
| Firewood ... ... | 47 | 36,595 | 556 | 80 | 76,450 | 1,253 |
| Other articles ... ... | 616 | 1,41,253 | 1,630 | 638 | 1,68,084 | 2,167 |
| Total ... | 1,353 | 3,06,588 | 4,162 | 1,537 | 4,08,554 | 6,104 |

* Weight by canal measurement, 97,800 maunds.
† Ditto ditto, 132,900 ..

CALCUTTA,
*The 30th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 27th November 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 27th November 1909. | | | Week ending Saturday, the 28th November 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage |
| | | Mds | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 456 | 50,660 | 833 | 648 | 62,650 | 1,060 |
| Jute ... ... | 430 | 140,790* | 2,289 | 369 | 131,117† | 2,111 |
| Firewood ... ... | 42 | 30,675 | 514 | 34 | 32,875 | 503 |
| Other articles ... ... | 783 | 176,407 | 2,000 | 838 | 205,434 | 2,646 |
| Total ... | 1,711 | 403,532 | 5,636 | 1,889 | 431,976 | 6,320 |

* Weight by canal measurement, 161,112½ maunds.
† Ditto ditto 143,325 do.

CALCUTTA,
*The 30th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of October 1909.*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilised. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Season leases. Rabi. | Season leases. Sugarcane. | Season leases. Hot-weather. | Season leases. Total. | Grand Total. | Rainfall, 1909-10. During month. | Rainfall, 1909-10. Up to end of month. | Rainfall, 1908-09. During month. | Rainfall, 1908-09. Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system .. ... ... | 1,400 | 1,340 | 1,201 | 76,338 | 73,081 | 73,440 | 2,898 | ... | ... | ... | 2,898 | 76,338 | 2·94 | 66·21 | 1·01 | 69·23 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 1,775 | 1,536 | 100,160 | 100,269 | 99,919 | 192 | ... | ... | 49 | 241 | 100,160 | 1·62 | 68·63 | 0·57 | 55·10 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 499 | 420 | 27,164 | 27,677 | 27,164 | ... | ... | ... | ... | ... | 27,164 | 1·95 | 63·48 | 1·45 | 52·02 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 788 | 141 | 124 | 5,434 | 5,428 | 5,434 | ... | ... | ... | ... | ... | 5,434 | 2·20 | 65·09 | 1·11 | 33·75 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jajpur Canal ... ... ... ... | 700 | 306 | 306 | 18,436 | 21,159 | 18,410 | 65 | ... | 5 | 6 | 76 | 18,486 | 1·53 | 63·53 | 4·20 | 51·59 | Jajpur. |
| | Balasore | Dudhal Canal ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 538 | 451 | 43,898 | 43,679 | 43,480 | ... | ... | 372 | 6 | 378 | 43,858 | 1·94 | 60·62 | 0·95 | 39·10 | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 271,430 | 270,692 | 267,847 | 3,155* | ... | 377 | 61 | 3,593 | 271,440 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 267,192 | 1,923 | 11 | 465 | 29 | 2,426 | 269,608 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 417 | 323 | 63,282 | 57,356 | 54,755 | 8,997 | ... | ... | ... | 8,997 | 63,752 | 3·08 | 65·55 | 1·21 | 57·10 | |
| | | Panchkura ... ... ... | 522 | 48 | 43 | 5,349 | 5,041 | 5,239 | 423 | ... | ... | ... | 423 | 5,662 | 2·16 | 58·22 | 0·26 | 47·91 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·47 | 70·02 | 0·00 | 63·94 | |
| | | Total Midnapore Canal ... | ... | ... | ... | 68,631 | 62,367 | 59,494 | 9,420 (a) | ... | ... | ... | 9,420 | 69,414 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 54,729 | ... | ... | ... | ... | ... | 54,729 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... | 1,000 | 174 | 17 | 18,560 | 20,402 | 17,651 | 908 | 1 | ... | ... | 909 | 18,560 | 2·47 | 85·38 | 0·56 | 65·33 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 19,573 | 529 | ... | ... | ... | 529 | 20,402 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,850 | 256 | 236 | 24,153 | 25,984 | 15,922 | 7,373 | 293 | ... | 554 | 8,230 | 24,172 | 0·93 | 48·80 | 1·67 | 32·32 |
| | | Buxar | | 1,203 | 1,107 | 121,215 | 117,115 | 88,584 | 19,096 | 3,288 | ... | 10,053 | 32,437 | 121,025 | 0·08 | 38·61 | 0·90 | 28·35 |
| | | Arrah | 2,650 | 2,078 | 1,897 | 189,473 | 192,319 | 135,460 | 32,901 | 293 | ... | 15,330 | 49,024 | 184,484 | | | | |
| | Patna and Gaya | Eastern Main | 1,850 | 1,748 | 1,506 | 3,870 | 3,957 | 2,979 | 900 | ... | ... | .. | 900 | 3,870 | 0·97 | 40·90 | * 0·00 | 16·42 |
| | | Patna | | | | 123,573 | 118,889 | 85,682 | 28,112 | 263 | ... | 9,169 | 37,544 | 123,326 | | | | |
| | | Total Sone Canals | ... | ... | ... | 462,284 | 459,264 | 328,620 | 88,382 | 4,137 | ... | 35,636 | 128,155 | 456,775 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 331,640 | 97,294 | 5,295 | ... | 21,820 | 124,409 | 456,049 | ... | ... | ... | ... |
| GANDAK | Champaran | Teur | 174 | 25 | 20 | 1,242 | 2,962 | ... | 972 | ... | ... | 66 | 1,038 | 1,038 | 1·53 | 58·86 | 1·99 | 30·06 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 2,505 | ... | ... | 235 | 2,740 | 2,740 | ... | ... | ... | ... |
| | | Dhaka | 300 | 57 | 45 | 4,035 | 9,749 | | 3,879 | ... | ... | 240 | 4,119 | 4,119 | 1·99 | 57·82 | 0·99 | 31·30 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 9,403 | ... | | 335 | 9,738 | 9,738 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | ... | ... | 826,182 | 824,435 | 674,112 | 196,716 | 4,138 | 377 | 36,003 | 147,234 | 821,346 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 673,424 | 111,654 | 5,306 | 463 | 22,419 | 139,842 | 813,266 | ... | ... | ... | ... |

* Of which 3,108 acres are "provisional lease."
(a) Covering lease.

CALCUTTA,
*The 29th November 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Major Works for the month of October 1909, as compared with the corresponding month of the previous year.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| *Orissa Canals.* | Tons. | Tons. | C. ft. | C. ft. | Rs | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Taldanda Canal System ... | 3,728 | 24,161 | 29,543 | 81,051 | 1,545 | 7,980 | 2,333 | 19,329 | 5,068 | 94,351 | 430 | 6,176 |
| Kendrapara ditto ... | 4,266 | 22,014 | 725 | 48,224 | 3,576 | 17,549 | 3,175 | 20,892 | 58 | 39,567 | 2,113 | 14,645 |
| High Level, Range I | 1,317 | 6,656 | ..... | 14,461 | 761 | 4,031 | 523 | 7,129 | ..... | 24,894 | 408 | 4,162 |
| High Level, Range II | 699 | 1,918 | 516 | 21,304 | 118 | 455 | 197 | 1,733 | ..... | 5,958 | 45 | 414 |
| High Level, Range III | 34 | 204 | ..... | 11,752 | 8 | 96 | 7 | 149 | 558 | 7,4[illegible]3 | 44 | 121 |
| Jajpur Canal ... | 529 | 1,793 | 1,204 | 6,427 | 54 | 312 | 261 | 1,667 | ..... | 2,646 | 28 | 236 |
| Total Orissa Canals | 10,483 | 56,746 | 31,988 | 183,219 | 5,862 | 30,423 | 6,496 | 51,399 | 5,684 | 174,859 | 3,068 | 25,754 |
| Midnapore Canal ... | 6,879 | 52,341 | 1,147 | 12,920 | 3,625 | 24,237 | 5,183 | 55,074 | 6,746 | 18,491 | 2,844 | 21,565 |
| Hijili Tidal Canal ... | 7,345 | 63,682 | 14,314 | 17,434 | 5,055 | 43,969 | 3,[illegible]60 | 34,969 | 11,732 | 15,852 | 2,7[illegible] | 26,085 |
| *Sone Canals.* | | | | | | | | | | | | |
| Patna Canal System ... | 606 | 5,904 | 20,892 | 584,589 | 526 | 6,532 | 329 | 3,466 | 39,840 | 342,202 | 514 | 3,618 |
| Arrah ditto ... | 56 | 1,156 | 7,722 | 544,549 | 287 | 3,159 | 291 | 1,339 | 16,472 | 630,570 | 259 | 2,741 |
| Buxar ditto ... | 197 | 2,188 | ..... | 215,767 | 179 | 2,029 | 29 | 797 | ..... | 99,509 | 27 | 808 |
| Total Sone Canals ... | 859 | 9,248 | 28,614 | 1,344,905 | 992 | 11,720 | 649 | 5,602 | 56,312 | 1,072,281 | 800 | 7,167 |
| Grand Total ... | 25,566 | 182,017 | 76,063 | 1,558,478 | 15,534 | 1,10,349 | 15,888 | 147,044 | 80,474 | 1,281,483 | 9,480 | 80,571 |

Calcutta:
*The 30th November 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

## IRRIGATION DEPARTMENT, BENGAL.

*Abstract statement showing the approximate volume of traffic and the tollage on canals in Bengal classed as Minor Works and Navigation for the month of October 1909, as compared with the corresponding month of the previous years.*

| Canals. | 1909-10. | | | | | | 1908-09. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight of Cargo. | | Rafts. | | Tollage. | | Weight of Cargo. | | Rafts. | | Tollage. | |
| | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. | During the month. | To end of the month. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. | Tons. | Tons. | C. ft. | C. ft. | Rs. | Rs. |
| Calcutta and Eastern Canals | 32,385 | 203,930 | 1,292 | 19,391 | 22,422 | 1,37,757 | 42,249 | 229,127 | 1,447 | 14,312 | 26,711 | 1,53,135 |
| Tolly's Nala ... ... | 18,074 | 135,141 | 1,684 | 7,753 | 6,706 | 46,778 | 16,560 | 140,525 | 1,359 | 7,536 | 6,260 | 45,573 |
| Madaripur Bhil Route ... | 2,095 | 111,813 | 3,356 | 6,838 | 1,168 | 40,783 | 3,535 | 88,681 | 4,765 | 8,859 | 1,341 | 32,784 |
| Total ... | 52,554 | 450,884 | 6,332 | 33,982 | 30,296 | 2,25,318 | 62,344 | 458,333 | 7,571 | 30,707 | 34,312 | 2,31,492 |
| Orissa Coast Canal ... | 4,886 | 30,280 | 55,549 | 90,104 | 3,322 | 12,336 | 2,345 | 16,985 | 34,204 | 74,364 | 1,759 | 8,907 |
| Nadia Rivers ... | 12,316 | 90,996 | 47,695 | 236,820 | 2,257 | 16,391 | 7,725 | 67,612 | 29,532 | 197,797 | 1,764 | 12,562 |
| Grand Total ... | 69,756 | 572,160 | 109,576 | 360,906 | 35,875 | 2,54,045 | 72,414 | 542,880 | 71,307 | 302,868 | 37,835 | 2,52,961 |

Calcutta,
*The 30th November 1909.*

G. G. Dey,
*Under-Secy. to the Govt. of Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 21st to 27th November 1909.**

| Month. | Date. | Maximum in sun. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Temperature. Maximum. | Temperature. Range. | Temperature. Minimum. | Hygrometry. Mean wet bulb. | Hygrometry. Vapour tension. | Hygrometry. Dew point. | Hygrometry. Humidity. | Wind. Prevailing direction. | Wind. Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | ° | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches | |
| Nov. | 21st | 133·4 | No instrument. | 29·919 | 78·9 | 83·1 | 17·3 | 65·8 | 68·7 | 0·636 | 65·8 | 75 | ENE and NE ... | 54 | Nil | Partially cloudy, ◠. |
| " | 22nd | 140·6 | | ·924 | 76·1 | 83·5 | 12·7 | 69·8 | 67·7 | ·577 | 63·0 | 66 | NE; N by E and N. | 88 | Nil | Ditto, ◠. |
| " | 23rd | 130·0 | | ·953 | 71·3 | 82·4 | 21·1 | 61·3 | 62·9 | ·460 | 56·6 | 62 | N and N by W ... | 74 | Nil | Clear, ◠. |
| " | 24th | 128·7 | | ·978 | 69·2 | 80·8 | 22·0 | 58·8 | 61·7 | ·418 | 55·6 | 63 | N by W and N by E. | 79 | Nil | Ditto, ◠. |
| " | 25th | 128·5 | | ·983 | 70·0 | 81·7 | 22·3 | 59·4 | 63·3 | ·495 | 58·7 | 67 | N by E and NNE | 69 | Nil | Chiefly clear, ◠. |
| " | 26th | 128·4 | | ·971 | 7[illegible]·5 | 82·1 | 22·0 | 60·1 | 63·4 | ·491 | 58·4 | 63 | NNE and calm ... | 51 | Nil | Clear, ◠. |
| " | 27th | 126·4 | | ·996 | 69·5 | 80·9 | 21·7 | 59·2 | 65·9 | ·516 | 59·8 | 72 | N and calm ... | 37 | Nil | Partially cloud, ◠. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·961 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 29·999 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 7 |
| The maximum possible number of hours of sunshine ... ... ... | 76·3 |
| The mean temperature of the seven days ... ... ... ... | 71·5 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 71·9 |
| The extreme variation of temperature ... ... ... ... | 24·7 |
| The maximum temperature ... ... ... ... | 83·5 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 9 |
| The mean relative humidity ... ... ... ... ... | 68 |
| | Inches. |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| The total fall of rain from 21st to 27th November 1909 .. ... ... | Nil |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·01 |
| The total fall from 1st January to 27th November 1909 ... ... | 71·57 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 65·15 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

◠, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 29th November 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# EAST INDIAN RAILWAY.

*Statement of Goods Traffic in Staples carried over the East Indian Railway during the month of July 1909 as compared with the same period of 1908*

| STAPLES. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes ... ... ... ... ... | 111 | 101 | ..... | 10 |
| Coal and coke carried for the public and foreign railways ... ... ... ... ... | 550,110 | 467,397 | ..... | 82,713 |
| *Cotton*— | | | | |
| (1) Raw ... ... ... ... ... | 1,299 | 902 | ..... | 397 |
| (2) Manufactured— | | | | |
| (a) Twist and Yarn, European ... ... | 82 | 103 | 21 | ..... |
| (b) Ditto, Indian .. ... ... | 1,240 | 1,230 | ..... | 10 |
| (c) Piece-goods, European ... ... ... | 2,388 | 1,964 | ..... | 424 |
| (d) Ditto, Indian ... ... ... | 328 | 454 | 126 | ..... |
| (e) Others ... ... ... ... .. | 105 | 91 | ..... | 14 |
| Chemicals, excepting saltpetre ... ... .. | 396 | 294 | ..... | 102 |
| *Drugs*— | | | | |
| 1.—Intoxicating, other than opium ... | 5 | 1 | ..... | 4 |
| 2.—Non-intoxicating— | | | | |
| (a) Medicinal preparations ... .. | ..... | 53 | 53 | ..... |
| (b) Others ... ... ... ... | 117 | 75 | ..... | 42 |
| *Dyes and Tans*— | | | | |
| 1.—Alizarine and aniline dyes ... ... | 10 | 21 | 11 | ..... |
| 2.—Cutch ... ... ... ... ... ... | 100 | 84 | ..... | 16 |
| 3.—Indigo .. ... ... ... ... ... | 3 | 4 | 1 | ..... |
| 4.—Myrabolams ... ... .. .. ... | 136 | 168 | 32 | ..... |
| 5.—Tanning barks ... ... ... ... | 50 | 29 | ..... | 21 |
| 6.—Turmeric ... ... ... ... ... | 498 | 347 | ..... | 151 |
| 7.—Others ... ... ... ... ... | 123 | 212 | 89 | ..... |
| *Fodder*— | | | | |
| 1.—Oilcake ... ... ... ... ... | 2,966 | 3,338 | 372 | ..... |
| 2.—Hay, straw and grass ... ... ... | 2,820 | 943 | ..... | 1,877 |
| Fruits and vegetables, fresh ... ... ... | 3,347 | 872 | ..... | 2,475 |
| *Grain and Pulse*— | | | | |
| 1.—Gram and pulse ... ... ... ... | 17,038 | 14,658 | ..... | 2,380 |
| 2.—Jowar and bajra ... ... ... ... | 2,267 | 894 | ..... | 1,373 |
| 3.—Rice in the husk ... ... ... ... | 2,662 | 9,157 | 6,495 | ..... |
| 4.—Rice not in the husk ... . ... | 26,378 | 37,185 | 10,807 | ..... |
| 5.—Wheat ... ... ... ... ... | 11,803 | 22,226 | 10,423 | ..... |
| 6.—Wheat flour ... .. ... ... ... | 2,558 | 2,585 | 27 | ..... |
| 7.—Others ... ... ... ... ... .. | 4,175 | 2,170 | ..... | 2,005 |
| *Hides and Skins*— | | | | |
| 1.—Hides of cattle— | | | | |
| (a) Dressed or tanned ... ... . | ..... | 13 | 13 | ..... |
| (b) Raw ... ... .. ... ... | 1,563 | 1,201 | ..... | 362 |
| 2.—Skins of sheep, &c.— | | | | |
| (a) Dressed or tanned ... ... .. | ..... | 11 | 11 | ..... |
| (b) Raw ... ... ... ... ... | 756 | 726 | ..... | 30 |
| Horns ... ... ... ... ... ... | 21 | 53 | 32 | ..... |
| Hemp (Indian) and other fibres (excluding jute) ... ... ... .. ... ... ... | 171 | 405 | 234 | ..... |
| *Jute*— | | | | |
| 1.—Raw ... . ... ... ... | 1,201 | 2,512 | 1,311 | ..... |
| 2.—Gunny-bags and cloth ... ... .. | 1,677 | 2,683 | 1,006 | ..... |
| Lac ... ... ... ... .. ... ... | 2,437 | 3,035 | 598 | ..... |
| *Leather*— | | | | |
| 1.—Unwrought ... ... ... ... | 61 | 104 | 43 | ..... |
| 2.—Wrought, excepting boots and shoes .. | 41 | 16 | .. | 25 |
| *Liquors*— | | | | |
| 1.—Ale and Beer ... ... ... ... | 334 | 376 | 42 | ..... |
| 2.—Spirits and wines of all kinds, including country spirits ... ... ... | 202 | 249 | 47 | ..... |
| 3.—All other sorts, including toddy and fermented liquor, other than ale and beer ... ... ... ... ... ... | 2 | 21 | 19 | ..... |
| *Metals*— | | | | |
| 1.—Brass, unwrought ... ... ... ... | 28 | 122 | 94 | ..... |
| 2.— Do., manufactures ... ... ... | 466 | 495 | 29 | ..... |
| 3.—Copper, unwrought ... ... .. | 5 | 12 | 7 | ..... |
| 4.— Do., manufactures ... . ... | 43 | 68 | [illegible] | ..... |
| 5.—Iron and steel— | | | | |
| (1) Unwrought (dust, slag, pig and old for remanufacture) ... ... | 1,069 | 2,403 | 1,334 | ..... |
| (2) Wrought— | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel .. ... ... | 3,589 | 3,342 | ..... | 247 |
| (b) Machinery and mill work ... | 890 | 415 | ..... | 475 |
| (c) Other manufactures, including hardware and cutlery ... | 1,445 | 1,459 | 14 | ..... |
| 6.—Metallic ores ... ... ... ... ... | 281 | 1,169 | 888 | ..... |
| 7.—Others .. ... ... ... ... ... | 356 | 406 | 50 | ..... |
| Mineral substances— | | | | |
| 1.—Marble and stone ... ... ... ... | 16,365 | 22,430 | 6,065 | ..... |
| 2.—Chalk and lime ... ... ... ... | 6,328 | 10,393 | 4,065 | ..... |
| 3.—Others ... ... ... ... ... | 45 | 556 | 511 | ..... |
| *Oils*— | | | | |
| 1.—Kerosine . ... ... ... ... | 5,791 | 6,515 | 724 | ..... |
| 2.—Castor ... ... ... .. .. ... | 132 | 138 | 6 | ..... |
| 3.—Cocoanut ... ... ... ... ... | 129 | 168 | 39 | ..... |
| 4.—Mustard and rape ... ... ... ... | 411 | 581 | 170 | ..... |
| 5.—Others ... ... ... ... .. ... | 215 | 339 | 124 | ..... |
| *Oilseeds*— | | | | |
| 1.—Castor ... ... ... .. ... ... | 2,033 | 3,327 | 1,294 | ..... |
| 2.—Earthnuts ... ... ... ... ... | 231 | 10 | ..... | 221 |
| 3.—Linseed ... ... ... ... ... | 14,090 | 16,629 | 2,539 | ..... |
| 4.—Poppy ... ... ... ... ... ... | 1,718 | 1,827 | 109 | ..... |
| 5.—Rape and mustard ... ... ... ... | 4,826 | 10,916 | 6,090 | ..... |
| 6.—Til or jinjili ... ... ... ... ... | 73 | 122 | 49 | ..... |
| 7.—Others ... ... ... ... ... ... | 976 | 3,326 | 2,350 | ..... |
| Opium ... ... ... ... ... ... | 82 | 47 | .. | 35 |
| Paper and pasteboard ... ... ... ... | 608 | 656 | 48 | ..... |

| STAPLES. | 1908. | 1909. | Increase. | Decrease. |
|---|---|---|---|---|
| | Weight. | Weight. | Weight. | Weight. |
| | Tons. | Tons. | Tons. | Tons. |
| *Provisions*— | | | | |
| 1.—Dried fruits and nuts ... ... ... | 212 | 325 | 113 | ..... |
| 2.—Ghee ... ... ... ... ... ... | 833 | 1,618 | 785 | ..... |
| 3.—Potatoes ... ... ... ... ... | 2,054 | 2,793 | 739 | ..... |
| 4.—Others ... ... ... ... | 2,274 | 2,209 | ... | 65 |
| *Railway plant & rolling-stock carried for the public & foreign railways*— | | | | |
| 1.—Locomotives, engines and tenders and parts thereof ... ... ... ... | 34 | 11 | ..... | 23 |
| 2.—Carriages and trucks and parts thereof | ..... | 81 | 81 | ..... |
| 3.—Materials— | | | | |
| (a) Steel rails and fish-plates ... | 112 | 312 | 200 | ..... |
| (b) Sleepers and keys of steel and cast-iron ... ... ... ... | ..... | 101 | 101 | ..... |
| (c) Others ... ... ... | 9,013 | 1,103 | ..... | 7,910 |
| Salt ... ... ... ... ... | 15,014 | 15,942 | 928 | ..... |
| *Saltpetre and other saline substances*— | | | | |
| 1.—Saltpetre ... ... ... ... ... | 1,014 | 684 | ... | 330 |
| 2.—Other saline substances ... ... ... | 885 | 1,136 | 251 | ..... |
| Silk— | | | | |
| 1.—*Raw*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 11 | 11 | ... | ..... |
| 2.—*Piece-goods*— | | | | |
| (a) Foreign ... ... ... ... | ..... | ..... | ..... | ..... |
| (b) Indian ... ... ... ... | 1 | 21 | 20 | ..... |
| *Spices*— | | | | |
| 1.—Betelnuts ... ... ... ... ... | 792 | 559 | ..... | 233 |
| 2.—Cardamoms ... ... ... ... ... | 7 | 15 | 8 | ..... |
| 3.—Chillies ... ... ... ... ... | 279 | 219 | ..... | 60 |
| 4.—Ginger ... ... ... ... ... | 35 | 31 | ..... | 4 |
| 5.—Pepper ... ... ... ... ... | 124 | 166 | 42 | ..... |
| 6.—Others ... ... ... ... ... | 535 | 746 | 211 | ..... |
| *Sugar*— | | | | |
| 1.—Refined or crystallized including sugarcandy ... ... ... ... | 2,814 | 4,185 | 1,371 | ..... |
| 2.—Unrefined— | | | | |
| (a) Sugar ... ... ... ... ... | 1,296 | 3,502 | 2,206 | ..... |
| (b) *Gur, rab*, jaggree, molasses and other saccharine produce ... | 5,254 | 5,056 | ..... | 198 |
| *Tea*— | | | | |
| 1.—Foreign ... ... ... ... ... | ..... | 1 | 1 | ..... |
| 2.—Indian ... ... ... ... ... | 47 | 44 | ..... | 3 |
| Tobacco— | | | | |
| 1.—Unmanufactured ... ... ... ... | 3,512 | 2,334 | ..... | 1,178 |
| 2.—Manufactured— | | | | |
| (a) Cigar ... ... ... ... ... | ... | 12 | 12 | ..... |
| (b) Other sorts ... ... ... ... | ... | 324 | 324 | ..... |
| Wood— | | | | |
| 1.—Timber, unwrought ... ... ... | 3,094 | 3,535 | 441 | ..... |
| 2.—Manufactures ... ... ... ... | 588 | 444 | ..... | 144 |
| *Wool*— | | | | |
| 1.—Raw ... ... ... ... ... | 39 | 37 | ..... | 2 |
| 2.—Manufactured— | | | | |
| (a) Carpets and rugs ... ... ... | 6 | 33 | 27 | ..... |
| (b) Piece-goods, European ... ... | 5 | 4 | ..... | 1 |
| (c) Ditto, Indian ... ... | 31 | 9 | ..... | 22 |
| (d) Other sorts of manufactures ... | 48 | 29 | ..... | 19 |
| All other articles of merchandise— | | | | |
| 1.—Bones ... ... ... ... ... ... | 2,498 | 1,422 | ..... | 1,076 |
| 2.—Firewood ... ... ... ... ... | 2,350 | 2,511 | 161 | ..... |
| 3.—Indigo seed ... ... ... ... ... | 73 | 5 | ..... | 68 |
| 4.—Paints and colours ... ... ... ... | 38 | 49 | 11 | ..... |
| 5.—Seeds other than oilseeds ... ... ... | 154 | 21 | ..... | 133 |
| 6.—Others ... ... ... ... ... ... | 20,277 | 102,261 | 81,984 | ..... |
| Total ... | 779,259 | 820,735 | 41,476 | ..... |
| Military stores ... ... ... ... ... | 1,035 | 416 | ..... | 619 |
| Coal for railway ... ... ... ... ... | 69,620 | 58,051 | ..... | 11,569 |
| Railway materials ... ... ... ... ... | 92,473 | 80,241 | ..... | 12,232 |
| Live-stock ... ... ... ... ... | No. 26,695 | No. 28,065 | 1,370 | ..... |
| Total ... | 942,387 | 959,443 | 17,056 | ..... |
| | | | No. 1,370 | |

JAS. CALDWELL,

for *Chief Auditor*.

TRAFFIC AUDIT OFFICE, GOODS DIVISION, CALCUTTA, *the 23rd November 1909.*

# EASTERN BENGAL STATE RAILWAY.

*Abstract of Principal Commodities carried over the Eastern Bengal State Railway during the month of August 1909, as compared with the same month of the previous year.*

| No. | STAPLES. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | EXPLANATIONS OF FLUCTUATIONS BY TRAFFIC SUPERINTENDENT. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 1 | Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 29 | 49 | ..... | 20 | |
| 2 | Coal and coke carried for the Public and Foreign Railways. | 70,171 | 54,411 | 15,760 | ..... | |
| 3 | Cotton— | | | | | |
| | (1) Raw ... ... ... ... ... ... | 93 | 244 | . | 131 | |
| | (2) Manufactured— | | | | | |
| | (a) Twist and yarn, European ... ... | 32 | 82 | ..... | 50 | |
| | (b) Ditto, Indian ... ... | 355 | 435 | ..... | 80 | |
| | (c) Piece-goods, European ... ... | 1,067 | 1,319 | ..... | 252 | |
| | (d) Ditto, Indian ... ... | 221 | 301 | ..... | 80 | |
| | (e) Others ... ... ... ... .. | ..... | .. | ..... | .. | |
| 4 | Chemicals, excepting saltpetre ... ... | 60 | 87 | ..... | 27 | |
| 5 | Drugs— | | | | | |
| | (1) Intoxicating, other than opium ... ... | ..... | 4 | . | 4 | |
| | (2) Non-intoxicating— | | | | | |
| | (a) Medicinal preparations ... .. | 9 | 5 | 4 | .. | |
| | (b) Others ... ... ... ... | 39 | 74 | ..... | 35 | |
| 6 | Dyes and Tans— | | | | | |
| | (1) Al (Morinda citrifolia) ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Alizarine and Aniline dyes ... ... | ..... | ..... | ..... | ..... | |
| | (3) Cutch ... ... ... ... ... .. | 15 | 16 | ..... | 1 | |
| | (4) Indigo ... ... ... . ... . | 11 | ..... | 11 | ..... | |
| | (5) Myrabolams ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (6) Tanning barks ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Turmeric ... ... ... ... ... | 170 | 223 | ..... | 53 | |
| | (8) Others .. ... ... ... ... .. | 32 | 22 | 10 | ..... | |
| 7 | Fodder— | | | | | |
| | (1) Oilcake ... ... ... ... ... ... | 966 | 945 | 21 | ..... | |
| | (2) Hay, straw and grass ... ... ... | 1,896 | 1,670 | 216 | . | |
| 8 | Fruits and vegetables, fresh ... ... ... | 391 | 249 | 142 | ..... | |
| 9 | Grain and Pulse— | | | | | |
| | (1) Gram and pulse . ... ... .. | 2,911 | 2,776 | 135 | ..... | |
| | (2) Jawar and bajra ... ... ... ... | ..... | ..... | ..... | | |
| | (3) Rice in the husk ... ... ... ... | 5,293 | 6,352 | . | 1,059 | |
| | (4) Do. not in the husk ... ... ... | 9,419 | 7,249 | 2,170 | ..... | |
| | (5) Wheat ... ... ... ... ... .. | 84 | 138 | ..... | 54 | |
| | (6) Do. flour ... ... ... ... ... | 873 | 1,029 | .. | 156 | |
| | (7) Others ... . ... ... . .. | 499 | 317 | 182 | ..... | |
| 10 | Hides and skins— | | | | | |
| | (1) Hides of cattle— | | | | | |
| | (a) Dressed or tanned ... .. ... | ..... | ..... | ..... | ..... | |
| | (b) Raw .. .. ... ... ... | 911 | 910 | 1 | . | |
| | (2) Skins of sheep and other animals— | | | | | |
| | (a) Dressed or tanned ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Raw ... ... ... ... ... ... | 81 | 100 | ..... | 19 | |
| 11 | Horns ... .. ... .. ... . | 3 | 20 | ..... | 17 | |
| 12 | Hemp (Indian) and other fibres, excluding jute. | 50 | 3,261 | ..... | 3,211 | |
| 13 | Jute— | | | | | |
| | (1) Raw ... ... ... ... ... .. | 118,690 | 98,769 | 19,321 | . | |
| | (2) Gunny-bags and cloth . . ... | 1,501 | 943 | 555 | ..... | |
| 14 | Lac ... ... ... ... .. ... ... | 81 | 30 | 51 | ... | |
| 15 | Leather— | | | | | |
| | (1) Unwrought ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (2) Wrought, excepting boots and shoes ... | 2 | ..... | 2 | ..... | |
| 16 | Liquors— | | | | | |
| | (1) Ale and beer ... ... ... ... | 33 | 39 | ..... | 6 | |
| | (2) Spirits of all kinds, including country spirit. | 143 | 77 | 66 | ..... | |
| | (3) Wine ... ... ... ... ... ... | | | | | |
| | (4) All other sorts, including toddy and fermented liquors, other than ale and beer. | ..... | ..... | ..... | ... | |
| 17 | Metals— | | | | | |
| | (1) Brass, unwrought ... ... ... ... | 18 | 36 | ..... | 18 | |
| | (2) Do., manufactured ... ... . | 204 | 182 | 22 | ..... | |
| | (3) Copper, unwrought .. ... ... ... | 6 | ..... | 6 | .. | |
| | (4) Do., manufactured .. ... ... | 15 | 8 | 7 | ..... | |
| | (5) Iron and steel— | | | | | |
| | (a) Unwrought ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (b) Wrought ... ... ... ... | ..... | ..... | ... | ..... | |
| | (i) Bars, sheets, girders and other commercial forms of iron and steel. | 1,073 | 1,331 | ..... | 258 | |
| | (ii) Machinery and mill works ... | 125 | 266 | ... | 141 | |
| | (iii) Other manufactured, including hardware and cutlery. | 1,137 | 826 | 311 | ..... | |
| | (6) Metallic ores ... ... ... ... ... | ..... | ..... | ..... | ..... | |
| | (7) Others ... . ... ... ... ... | 1,400 | 771 | 629 | ..... | |
| 18 | Mineral substances— | | | | | |
| | (1) Marble and stone ... ... ... ... | 2,035 | 1,663 | 372 | ..... | |
| | (2) Chalk ... ... ... ... ... ... | | | | | |
| | (3) Lime ... ... ... ... ... ... | 1,278 | 1,543 | ..... | 265 | |
| | (4) Others ... ... ... ... ... ... | | | | | |
| 19 | Oils— | | | | | |
| | (1) Kerosine ... ... . ... ... | 14,600 | 13,257 | 1,343 | ..... | |
| | (2) Castor ... ... ... ... ... | 17 | 15 | 2 | ..... | |
| | (3) Cocoanut ... ... ... ... ... | 114 | 129 | ..... | 15 | |
| | (4) Mustard and rape ... ... ... ... | 728 | 561 | 167 | ..... | |
| | (5) Others ... .. . ... ... | 247 | 129 | 118 | ..... | |

| No. | Staples. | 1909. | 1908. | Increase in 1909. | Decrease in 1909. | Explanations of fluctuation by Traffic Superintendent. |
|---|---|---|---|---|---|---|
| | | Tons. | Tons. | Tons. | Tons. | |
| 20 | Oilseeds— | | | | | |
| | (1) Castor ... | 176 | 120 | 56 | ..... | |
| | (2) Earthnuts ... | ..... | ..... | ..... | ..... | |
| | (3) Linseed ... | 488 | 716 | ..... | 228 | |
| | (4) Poppy ... | ..... | ..... | ..... | ..... | |
| | (5) Rape and mustard ... | 1,505 | 1,063 | 542 | ..... | |
| | (6) Til or jinjili ... | 72 | 71 | 1 | ..... | |
| | (7) Others ... | 39 | 34 | 5 | ..... | |
| 21 | Opium ... | ..... | ..... | ..... | ..... | |
| 22 | Paper and pasteboard ... | 1,125 | 677 | 448 | ..... | |
| 23 | Provisions— | | | | | |
| | (1) Dried fruits and nuts ... | 122 | 326 | ..... | 204 | |
| | (2) Ghee ... | 73 | 60 | 13 | ..... | |
| | (3) Other ... | 945 | 1,004 | ..... | 59 | |
| 24 | Railway Plant, &c., for the Public and Foreign Railways— | | | | | |
| | (1) Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | |
| | (2) Carriages and trucks and parts thereof | ..... | ..... | ..... | ..... | |
| | (3) Materials— | | | | | |
| | (a) Steel rails and fish-plates ... | 1 | 312 | ..... | 311 | |
| | (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | |
| | (c) Others ... | 398 | 790 | ..... | 392 | |
| 25 | Salt ... | 5,138 | 5,363 | ..... | 225 | |
| 26 | Saltpetre and other saline substances— | | | | | |
| | (1) Saltpetre ... | ..... | ..... | ..... | ..... | |
| | (2) Other saline substances ... | 384 | 262 | 122 | ..... | |
| 27 | Silk— | | | | | |
| | (1) Raw— | | | | | |
| | (a) Foreign ... | ..... | ..... | ..... | ..... | |
| | (b) Indian ... | 10 | 28 | ..... | 18 | |
| | (2) Piece-goods— | | | | | |
| | (a) Foreign ... | ..... | ..... | ..... | ..... | |
| | (b) Indian ... | ..... | ..... | ..... | ..... | |
| 28 | Spices— | | | | | |
| | (1) Betelnuts ... | 93 | 648 | ..... | 558 | |
| | (2) Cardamoms ... | 3 | 1 | 2 | ..... | |
| | (3) Chillies ... | 360 | 383 | 77 | ..... | |
| | (4) Ginger ... | 89 | 42 | 47 | ..... | |
| | (5) Pepper ... | 33 | 79 | ..... | 46 | |
| | (6) Others ... | 215 | 172 | 43 | ..... | |
| 29 | Sugar— | | | | | |
| | (1) Refined or crystallised, including sugar-candy. | 1,684 | 1,720 | ... | 36 | |
| | (2) Unrefined— | | | | | |
| | (a) Sugar ... | 1,213 | 1,335 | ..... | 122 | |
| | (b) Gur, *rab*, jaggery, molasses, and other saccharine produce. | 1,644 | 2,882 | ..... | 1,238 | |
| 30 | Tea— | | | | | |
| | (1) Foreign ... | ..... | ..... | ..... | ..... | |
| | (2) Indian ... | 3,697 | 4,129 | ..... | 432 | |
| 31 | Tobacco— | | | | | |
| | (1) Unmanufactured ... | 2,932 | 3,061 | ..... | 129 | |
| | (2) Manufactured— | | | | | |
| | (a) Cigars ... / (b) Other sorts ... | 80 | 81 | ..... | 1 | |
| 32 | Wood— | | | | | |
| | (1) Timber, unwrought ... | 5,252 | 5,182 | 70 | ..... | |
| | (2) Manufactured ... | 294 | 471 | ..... | 177 | |
| 33 | Wool— | | | | | |
| | (1) Raw ... | ..... | ..... | ..... | ..... | |
| | (2) Manufactured— | | | | | |
| | (a) Carpets and rugs ... | ..... | ..... | ..... | ..... | |
| | (b) Piece-goods, European ... | ..... | ..... | ..... | ..... | |
| | (c) Ditto, Indian ... | ..... | ..... | ..... | ..... | |
| | (d) Other sorts of manufactures ... | 5 | 1 | 4 | ..... | |
| 34 | All other articles of merchandise ... | 4,735 | 6,870 | ..... | 2,135 | |
| | Total ... | 271,420 | 240,026 | 43,657 | 12,263 | |

CALCUTTA, *the 26th November 1909.*

F. J. PRUCE,
*Offg. Examiner of Accounts,*
*E. B. S. Railway.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 6th November 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 495,327 | 4,71,929 0 0 | 60,17,558 0 | 10,24,255 0 0 (a) | 35,137 0 0 | 15,31,321 0 0 | 158,636 | 175,019 | 333,655 |
| Or per mile of railway .. ... | ... | 205 13 0 | ... | 446 12 1 | 15 5 3 | 667 14 10 | ... | ... | ... |
| For previous 17½ weeks of half-year | 8,715,688 | 75,39,218 0 0 | 10,26,54,949 0 | 1,59,41,885 0 0 | 6,83,545 0 0 | 2,41,64,648 0 0 | 2,788,789 | 2,865,597 | 5,654,386 |
| Total for 18½ weeks ... | 9,211,015 | 80,11,147 0 0 | 10,86,72,507 0 | 1,69,66,140 0 0 | 7,18,682 0 0 | 2,56,95,969 0 0 | 2,947,425 | 3,040,616 | 5,988,041 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. ... ... | 530,635 | 4,96,375 4 0 | 69,75,156 30 | 10,80,349 13 8 | 37,113 14 9 | 16,13,839 0 5 | 164,604 | 195,253 | 359,857 |
| Per mile of railway corresponding week of previous year ... . | ... | 216 8 6 | ... | 471 4 5 | 16 3 1 | 704 0 0 | .. | ... | .. |
| Total for corresponding 18½ weeks of previous year ... ... ... | 9,136,206 | 79,47,081 2 10 | 13,06,55,670 0 | 1,94,95,155 15 1 | 7,80,417 1 11 | 2,82,22,654 3 10 | 3,005,851 | 3,050,102 | 6,055,953 |

(a) The decrease is chiefly in coal.

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·65 | For the month of July ... | 2,236,[illegible] | 18,66,432 | 2,77,85,647 | 41,98,948 | 1,78,265 | 62,43,645 | 2,723 | 1,463,513 | 4 4 3 |
| *2,292·65 | ,, ,, of Aug. . | 2,144,211 | 17,96,901 | 2,57,94,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 4 days of Sept. ... | 277,066 | 2,31,750 | 31,48,850 | 4,59,609 | 27,500 | 7,18,868 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th ,, .. | 408,257 | 3,89,330 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, | 473,912 | 3,71,938 | 59,92,172 | 9,19,116 | 48,000 | 13,39,054 | 584 | 341,004 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, .. | 491,488 | 4,03,080 | 56,15,449 | 9,04,241 | 40,254 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| 2,292·65 | ,, ,, 2nd Oct. ... | 572,326 | 4,77,324 | 64,19,060 | 9,96,441 | 40,254 | 15,16,019 | 661 | 328,139 | 4 9 11 |
| 2,292·65 | ,, ,, 9th ,, .. | 520,387 | 5,28,744 | 62,72,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 519,546 | 5,17,781 | 67,86,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 340,365 | 4 [illegible] 11 |
| 2,292·65 | ,, ,, 23rd ,, | 508,626 | 4,76,674 | 56,45,399 | 9,19,364 | 35,137 | 14,31,175 | 624 | 336,707 | 4 4 0 |
| 2,292·65 | ,, ,, 30th ,, .. | 504,979 | 4,76,740 | 54,75,335 | 9,01,836 | 35,137 | 14,13,752 | 617 | 306,060 | 4 9 11 |
| 2,292·65 | ,, ,, 6th Nov. ... | 495,327 | 4,71,929 | 60,17,558 | 10,24,255 | 35,137 | 15,31,321 | 668 | 333,655 | 4 9 5 |
| | Totals up to date ... | 9,211,015 | 80,11,147 | 10,86,72,507 | 1,69,66,140 | 7,18,682 | 2,56,95,969 | 608 | 5,988,041 | 4 4 8 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concluded.

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,[illegible]12 | 19,51,778 | 3,12,67,198 | 46,37,933 | 1,80,144 | 67,39,855 | 2,962 | 1,687,563 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,03,317 | 3,29,17,765 | 46,18,813 | 1,92,702 | 66,14,832 | 2,899 | 1,674,985 | 3 15 6 |
| 2,292·38 | First 5 days of Sept. ... | 325,135 | 2,74,412 | 55,27,251 | 7,91,275 | 30,262 | 10,95,949 | 478 | 271,806 | 4 0 6 |
| 2,292·38 | Week ended 12th ,, ... | 530,581 | 4,24,069 | 69,17,422 | 9,99,004 | 39,054 | 14,62,127 | 638 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, ... | 486,167 | 4,36,699 | 69,90,084 | 10,12,368 | 50,954 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 68,54,953 | 10,47,924 | 46,688 | 15,65,989 | 683 | 374,343 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,75,902 | 65,83,018 | 10,04,738 | 46,015 | 15,26,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,959 | 4,04,361 | 64,84,929 | 9,61,622 | 35,457 | 14,01,440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, . | 428,469 | 4,08,844 | 74,69,685 | 11,63,703 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | ,, ,, 24th ,, ... | 422,132 | 3,97,844 | 64,94,009 | 10,94,423 | 48,134 | 15,40,400 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | ,, ,, 31st ,, ... | 423,877 | 4,02,102 | 61,65,599 | 10,32,975 | 40,418 | 14,75,495 | 644 | 366,969 | 4 0 4 |
| 2,292·38 | ,, ,, 7th Nov. .. | 530,635 | 4,96,375 | 69,75,157 | 10,80,350 | 37,114 | 16,13,839 | 704 | 359,857 | 4 7 9 |
| | Totals up to date ... | 9,136,206 | [illegible]9,47,081 | 13,06,55,670 | 1,94,95,156 | 7,80,417 | 2,82,22,654 | 663 | 6,955,953 | 4 0 11 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 6th November 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week . | 28,584 | 7,636 0 0 | 82,593 0 | 1,995 0 0 | 8 0 0 | 9,639 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 343 13 0 | ..... | 89 13 2 | 0 5 9 | 433 15 11 | ... .. | ... . | |
| For previous 17½ weeks of half-year | 379,355 | 86,381 0 0 | 5,92,505 0 | 13,067 0 0 | 201 0 0 | 99,649 0 0 | 23,311 | 2,775 | 26,086 |
| Total for 18½ weeks ... | 407,939 | 94,017 0 0 | 6,75,098 0 | 15,062 0 0 | 209 0 0 | 1,09,288 0 0 | 24,648 | 2,934 | 27,582 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year. | 28,453 | 7,152 9 7 | 98,154 30 | 931 6 0 | 9 6 0 | 8,093 5 7 | 1,335 | 159 | 1,494 |
| Per mile of railway corresponding week of previous year. | ..... | 322 0 8 | ..... | 41 15 0 | 0 6 9 | 364 6 5 | ... .. | ..... | ... .. |
| Total for corresponding 18½ weeks of previous year. | 428,261 | 97,952 13 6 | 7,73,356 30 | 11,405 15 0 | 129 6 3 | 1,09,488 2 9 | 25,195 | 3,018 | 28,213 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July ... | 105,236 | 24,205 | 77,616 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | ,, ,, Aug. ... | 80,930 | 19,549 | 2,86,923 | 4,500 | 34 | 23,083 | 1,039 | 6,622 | 3 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,779 | 3,665 | 3,661 | 133 | 8 | 4,106 | 185 | 854 | 4 12 11 |
| 22·21 | Week ended 11th ,, ... | 22,819 | 4,838 | 30,665 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,817 | 4,668 | 33,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. ... | 21,514 | 4,750 | 17,230 | 559 | 14 | 5,323 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, ... | 22,630 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, ... | 22,877 | 4,932 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| 22·21 | ,, ,, 30th ,, ... | 27,191 | 5,935 | 73,356 | 1,454 | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| 22·21 | ,, ,, 6th Nov. ... | 28,594 | 7,636 | 82,593 | 1,995 | 8 | 9,639 | 434 | 1,496 | 6 7 1 |
| | Totals up to date ... | 407,939 | 94,017 | 6,75,098 | 15,062 | 209 | 1,09,288 | 267 | 27,582 | 3 15 5 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,288 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, Aug. ... | 87,449 | 20,919 | 1,01,442 | 1,385 | 35 | 22,339 | 1,006 | 6,836 | 3 4 3 |
| 22·21 | First 5 days of Sept. ... | 13,202 | 3,468 | 33,493 | 394 | 4 | 3,866 | 174 | 1,190 | 3 3 7 |
| 22·21 | Week ended 12th ,, ... | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,522 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 1,43,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,480 | 48,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,965 | 602 | 5 | 6,941 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, 10th ,, .. | 23,199 | 5,130 | 1,19,206 | 1,111 | 13 | 6,254 | 281 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, ... | 21,796 | 4,611 | 26,971 | 877 | 1 | 5,489 | 247 | 1,498 | 3 10 8 |
| 22·21 | ,, ,, 24th ,, ... | 23,278 | 5,012 | 21,097 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·21 | ,, ,, 31st ,, ... | 23,981 | 5,051 | 22,984 | 766 | 10 | 5,827 | 262 | 1,494 | 3 14 5 |
| 22·21 | ,, ,, 7th Nov. ... | 28,453 | 7,152 | 98,155 | 932 | 9 | 8,093 | 364 | 1,494 | 5 6 8 |
| | Totals up to date ... | 428,261 | 97,953 | 7,73,357 | 11,406 | 129 | 1,09,488 | 265 | 28,213 | 3 14 1 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 6th November 1909 on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 30,642 | 37,060 0 0 | 275,264 0 | 22,575 0 0 | 107 0 0 | 59,742 0 0 | 10,215 | 3,623 | 13,838 |
| Or per mile of railway ... | ... | 228 4 2 | ... | 139 0 8 | 0 10 6 | 367 15 4 | ... | - | .. |
| For previous 17¾ weeks of half-year ... | 488,274 | 4,08,722 0 0 | 3,289,766 0 | 2,57,193 0 0 | 2,068 0 0 | 6,67,983 0 0 | 177,581 | 54,642 | 232,023 |
| Total for 18¾ weeks | 518,916 | 4,45,782 0 0 | 3,515,030 0 | 2,79,768 0 0 | 2,175 0 0 | 7,27,725 0 0 | 187,596 | 58,265 | 245,861 |
| **Comparison** | | | | | | | | | |
| Total for corresponding week of previous year ... | 26,905 | 25,810 14 2 | 280,628 10 | 22,805 1 0 | 55 7 6 | 48,671 6 8 | 12,339 | 4,442 | 16,781 |
| Per mile of railway corresponding week of previous year | ... | 158 15 7 | ... | 140 7 4 | 0 5 6 | 299 12 5 | ... | .. | |
| Total for corresponding 18¾ weeks of previous year | 486,910 | 3,87,642 14 0 | 4,398,674 30 | 3,09,124 10 5 | 857 9 9 | 6,97,625 2 2 | 221,378 | 81,701 | 303,079 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July ... | 131,940 | 1,03,184 | 222,057 | 51,085 | 576 | 1,54,845 | 954 | 57,954 | 2 11 0 |
| *162·36 | ,, ,, of Aug. ... | 126,757 | 1,00,166 | 796,097 | 59,545 | 475 | 1,60,180 | 987 | 58,345 | 2 11 11 |
| 162·36 | First 4 days of Sept. | 14,737 | 11,159 | 82,431 | 5,858 | 68 | 17,085 | 105 | 7,496 | 2 4 6 |
| 162·36 | Week ended 11th ,, | 32,553 | 28,813 | 169,808 | 12,636 | 119 | 41,568 | 256 | 14,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 134,503 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 25,512 | 17,462 | 170,107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. ... | 26,371 | 21,954 | 205,639 | 18,949 | 130 | 40,133 | 247 | 13,380 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 22,838 | 201,088 | 18,244 | 130 | 42,212 | 260 | 13,816 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, ... | 24,737 | 23,490 | 203,154 | 23,009 | 107 | 46,606 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | 25,605 | 29,530 | 250,299 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| 162·36 | ,, ,, 30th ,, ... | 27,073 | 28,902 | 214,523 | 19,727 | 107 | 48,736 | 300 | 14,103 | 3 7 7 |
| 162·36 | ,, ,, 6th Nov. .. | 30,642 | 37,060 | 275,264 | 22,575 | 107 | 59,742 | 368 | 13,838 | 4 5 1 |
| | Totals up to date .. | 518,916 | 4,45,782 | 3,515,030 | 2,79,768 | 2,175 | 7,27,725 | 243 | 245,861 | 2 15 4 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 990,656 | 63,934 | 171 | 1,58,633 | 977 | 71,836 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 126,667 | 91,505 | 888,368 | 64,140 | 164 | 1,55,809 | 960 | 70,852 | 2 3 2 |
| 162·36 | First 5 days of Sept. ... | 19,550 | 15,451 | 112,121 | 8,862 | 41 | 24,354 | 150 | 11,513 | 2 1 10 |
| 162·36 | Week ended 12th ,, ... | 22,701 | 19,223 | 194,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 236,042 | 15,188 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 239,810 | 16,250 | 73 | 33,746 | 208 | 15,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 23,945 | 22,376 | 266,788 | 18,344 | 61 | 40,781 | 251 | 16,842 | 2 6 9 |
| 162·36 | ,, ,, 10th ,, ... | 23,898 | 18,736 | 216,004 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 24,453 | 21,500 | 302,372 | 19,748 | 76 | 41,314 | 255 | 17,269 | 2 6 3 |
| 162·36 | ,, ,, 24th ,, ... | 21,414 | 22,688 | 242,632 | 18,050 | 40 | 40,678 | 251 | 16,808 | 2 7 8 |
| 162·36 | ,, ,, 31st ,, ... | 22,136 | 20,623 | 328,527 | 23,101 | 52 | 43,776 | 270 | 17,073 | 2 9 0 |
| 162·36 | ,, ,, 7th Nov. ... | 26,905 | 25,811 | 280,628 | 22,805 | 55 | 48,671 | 300 | 16,781 | 2 14 5 |
| | Totals up to date .. | 486,910 | 3,37,643 | 4,398,675 | 2,09,125 | 857 | 6,07,625 | 231 | 303,079 | 2 4 10 |

* Audited figures.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 13th November 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 445,095 | 4,35,[illegible] (a) | 65,26,117 0 | 10,84,773 0 0 | 35,137 0 0 | 15,53,209 0 0 | 158,258 | 193,591 | 351,849 |
| Or per mile of railway ... | ..... | 189 0 6 | ... | 473 2 5 | 15 5 3 | 677 8 2 | ..... | ..... | ..... |
| For previous 18¾ weeks of half-year | 9,211,015 | 80,11,147 0 0 | 10,86,72,507 0 | 1,69,66,140 0 0 | 7,18,682 0 0 | 2,56,95,969 0 0 | 2,947,425 | 3,040,616 | 5,988,041 |
| Total for 19¾ weeks ... | 9,656,110 | 84,46,536 0 0 | 11,51,98,624 0 | 1,80,50,913 0 0 | 7,53,819 0 0 | 2,72,49,268 0 0 | 3,105,683 | 3,234,207 | 6,339,890 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 520,350 | 5,01,121 14 4 | 67,07,670 10 | 10,98,847 9 3 | 52,415 8 1 | 16,52,384 15 8 | 165,803 | 193,177 | 358,980 |
| Per mile of railway corresponding week of previous year. | ..... | 218 9 8 | ..... | 479 5 7 | 22 13 10 | 720 13 1 | ..... | ..... | ..... |
| Total for corresponding 19¾ weeks of previous year. | 9,665,556 | 84,48,203 1 2 | 13,73,62,740 10 | 2,05,94,003 8 4 | 8,32,832 10 0 | 2,98,75,039 3 6 | 3,171,654 | 4,143,279 | 7,314,933 |

(a) The decrease is chiefly on account of "Sonepore fair" in the corresponding period of 1908.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·65 | For the month of July .. | 2,235,[illegible] | 18,66,432 | 2,57,85,647 | 41,98,948 | 1,78,265 | 62,43,645 | 2,723 | 1,443,513 | 4 4 3 |
| *2,292·65 | ,, ,, of Aug. ... | 2,144,2[illegible] | 17,96,991 | 2,57,94,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 4 days of Sept ... | 277,696 | 2,31,759 | 31,48,550 | 4,59,599 | 27,500 | 7,18,858 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th ,, ... | 468,257 | 3,90,830 | 57,18,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, ... | 473,912 | 3,71,938 | 58,92,172 | 9,19,146 | 48,000 | 13,39,054 | 584 | 331,094 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, ... | 471,488 | 4,03,083 | 56,15,649 | 9,04,241 | 49,254 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| 2,292·65 | ,, ,, 2nd Oct. ... | 572,326 | 4,79,324 | 64,19,660 | 9,96,441 | 40,254 | 15,16,019 | 661 | 328,139 | 4 9 11 |
| 2,292·65 | ,, ,, 9th ,, ... | 520,387 | 5,28,744 | 62,72,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,537 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 519,546 | 5,17,781 | 67,86,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 330,565 | 4 14 11 |
| 2,292·65 | ,, ,, 23rd ,, ... | 508,626 | 4,76,674 | 56,45,699 | 9,19,364 | 35,137 | 14,31,175 | 624 | 336,707 | 4 4 10 |
| 2,292·65 | ,, ,, 30th ,, ... | 503,979 | 4,76,740 | 54,75,335 | 9,01,806 | 35,137 | 14,13,752 | 617 | 336,060 | 4 9 11 |
| 2,292·65 | ,, ,, 6th Nov. ... | 495,327 | 4,71,920 | 60,17,538 | 10,24,255 | 35,137 | 15,41,321 | 668 | 333,655 | 4 9 5 |
| 2,292·65 | ,, ,, 13th ,, .. | 445,095 | 4,33,389 | 65,26,117 | 10,84,773 | 35,137 | 15,53,299 | 678 | 351,849 | 4 6 8 |
| | Totals up to date .. | 9,656,110 | 84,44,536 | 11,51,98,624 | 1,80,50,913 | 7,53,819 | 2,72,49,268 | 612 | 6,339,890 | 4 4 9 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July .. | 2,359,512 | 19,51,778 | 3,12,67,198 | 46,57,933 | 1,80,144 | 67,89,855 | 2,962 | 1,087,573 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,03,817 | 3,29,17,766 | 46,48,813 | 1,32,703 | 66,44,332 | 2,899 | 1,074,935 | 3 15 0 |
| 2,292·38 | First 5 days of Sept. ... | 325,135 | 2,74,412 | 55,27,251 | 7,91,275 | 30,262 | 10,95,949 | 478 | 271,806 | 4 0 6 |
| 2,292·38 | Week ended 12th ,, ... | 530,581 | 4,24,059 | 69,17,422 | 9,99,054 | 39,054 | 14,62,127 | 638 | 375,619 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, . | 486,167 | 4,46,699 | 69,49,033 | 10,12,368 | 50,254 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 68,54,953 | 10,47,923 | 46,683 | 15,65,989 | 683 | 374,146 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,73,904 | 65,83,018 | 10,04,768 | 46,015 | 15,24,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,959 | 4,04,361 | 64,88,929 | 9,61,022 | 35,457 | 14,01,440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, ... | 428,409 | 4,08,844 | 74,09,085 | 11,03,703 | 35,475 | 16,06,022 | 701 | 370,782 | 4 3 5 |
| 2,292·38 | ,, ,, 24th ,, ... | 422,132 | 3,97,844 | 64,98,009 | 10,94,422 | 48,134 | 15,40,400 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | ,, ,, 31st ,, ... | 423,877 | 4,02,103 | 61,95,589 | 10,34,075 | 40,418 | 14,75,495 | 644 | 366,969 | 4 0 4 |
| 2,292·38 | ,, ,, 7th Nov. ... | 530,635 | 4,06,375 | 69,75,157 | 10,80,350 | 37,111 | 16,13,839 | 704 | 359,857 | 4 7 9 |
| 2,292·38 | ,, ,, 14th ,, ... | 529,350 | 5,01,122 | 67,07,670 | 10,98,847 | 52,416 | 16,52,385 | 721 | 358,980 | 4 9 8 |
| | Totals up to date ... | 9,665,556 | 84,48,203 | 13,73,62,740 | 2,05,94,003 | 8,32,833 | 2,98,75,039 | 666 | 7,314,933 | 4 1 4 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 13th November 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 25,169 | 5,219 0 0 | 64,803 0 | 1,582 0 0 | 8 0 0 | 6,809 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... ... | ... | 234 15 9 | ... | 71 8 8 | 0 5 9 | 306 9 2 | ... | ... | ... |
| For previous 18¾ weeks of half-year | 407,939 | 94,017 0 0 | 6,75,098 0 | 15,062 0 0 | 209 0 0 | 1,09,288 0 0 | 24,048 | 2,934 | 27,582 |
| Total for 19¾ weeks ... | 433,108 | 99,236 0 0 | 7,39,901 0 | 16,644 0 0 | 217 0 0 | 1,16,097 0 0 | 25,985 | 3,093 | 29,078 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 28,062 | 6,039 6 3 | 26,155 10 | 1,233 15 0 | 6 7 9 | 7,279 13 0 | 1,338 | 160 | 1,498 |
| Per mile of railway corresponding week of previous year ... ... | ... | 271 14 9 | ... | 55 8 11 | 0 4 8 | 327 12 4 | ... | ... | ... |
| Total for corresponding 19¾ weeks of previous year ... ... ... | 456,323 | 1,05,992 3 9 | 7,09,512 0 | 12,639 14 0 | 135 14 0 | 1,16,767 15 9 | 26,533 | 3,178 | 29,711 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July | 105,236 | 24,205 | 77,616 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | ,, ,, August .. | 80,930 | 18,749 | 2,86,923 | 4,500 | 34 | 23,083 | 1,039 | 6,628 | 3 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,779 | 3,965 | 3,661 | 133 | 8 | 4,106 | 185 | 854 | 4 12 11 |
| 22·21 | Week ended 11th ,, ... | 22,810 | 4,839 | 30,065 | 701 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, | 23,817 | 4,608 | 33,474 | 813 | 14 | 5,435 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,372 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. .. | 21,514 | 4,750 | 17,260 | 559 | 14 | 5,323 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, .. | 22,630 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, ... | 22,877 | 4,932 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| 22·21 | ,, ,, 30th ,, ... | 27,191 | 5,935 | 73,356 | 1,454 | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| 22·21 | ,, ,, 6th Nov. | 28,584 | 7,636 | 82,693 | 1,995 | 8 | 9,639 | 434 | 1,496 | 6 7 1 |
| 22·21 | ,, ,, 13th ,, ... | 25,109 | 5,219 | 64,803 | 1,582 | 8 | 6,809 | 307 | 1,496 | 4 8 10 |
| | Totals up to date | 433,108 | 99,236 | 7,39,901 | 16,644 | 217 | 1,16,097 | 269 | 29,078 | 3 15 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July .. | 119,291 | 27,165 | 102,569 | 2,053 | 30 | 29,288 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, August ... | 87,449 | 20,919 | 1,01,442 | 1,385 | 35 | 22,339 | 1 006 | 6,840 | 3 4 3 |
| 22·21 | First 5 days of Sept. ... | 13,292 | 3,498 | 33,493 | 924 | 4 | 3,866 | 174 | 1,199 | 3 3 7 |
| 22·21 | Week ended 12th ,, .. | 21,717 | 4,616 | 41,750 | 477 | 8 | 5,101 | 230 | 1,523 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 1,43,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,298 | 4,189 | 48,487 | 714 | 4 | 5,196 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,905 | 602 | 5 | 6,941 | 313 | 1,494 | 4 10 4 |
| 22·21 | ,, ,, 10th ,, ... | 23,169 | 5,130 | 1,19,206 | 1,111 | 13 | 6,254 | 282 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, .. | 21,796 | 4,611 | 26,971 | 574 | 1 | 5,186 | 247 | 1,498 | 3 10 8 |
| 22·21 | ,, ,, 24th ,, .. | 23,278 | 5,012 | 21,097 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·21 | ,, ,, 31st ,, ... | 33,981 | 5,651 | 22,984 | 766 | 10 | 5,827 | 262 | 1,494 | 3 14 5 |
| 22·22 | ,, ,, 7th Nov. ... | 28,453 | 7,152 | 98,155 | 932 | 9 | 8,094 | 364 | 1,494 | 5 6 8 |
| 22·21 | ,, ,, 14th ,, ... | 28,064 | 6,039 | 26,155 | 1,234 | 7 | 7,280 | 328 | 1,498 | 4 13 9 |
| | Totals up to date ... | 456,323 | 1,03,992 | 7,99,512 | 12,640 | 136 | 1,16,768 | 269 | 29,711 | 3 14 11 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 13th November 1909, on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 25,300 | 27,505 0 0 | 267,671 0 | 23,151 0 0 | 107 0 0 | 50 763 0 0 | 10,249 | 4,378 | 14,627 |
| Or per mile of railway ... ... | ..... | 169 6 6 | ..... | 142 9 5 | 0 10 7 | 312 10 6 | ... | ... .. | ... |
| For previous 18½ weeks of half-year | 518,016 | 4,45,782 0 0 | 3,515,030 0 | 2,79,768 0 0 | 2,175 0 0 | 7,27,725 0 0 | 187,596 | 58,265 | 245,861 |
| Total for 19½ weeks .. | 544,216 | 4,73,287 0 0 | 3,782,701 0 | 3,02,919 0 0 | 2,282 0 0 | 7,78,488 0 0 | 197,845 | 62,643 | 260,488 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 25,109 | 26,651 12 5 | 265,867 0 | 20,046 3 0 | 75 1 0 | 46,673 0 5 | 12,806 | 4,447 | 17,252 |
| Per mile of railway corresponding week of previous year. | .... | 164 2 5 | ..... | 123 7 6 | 0 7 5 | 288 1 4 | ..... | ..... | ..... |
| Total for corresponding 19½ weeks of previous year. | 512,019 | 4,14,294 10 5 | 4,064,541 30 | 3,29,170 13 5 | 932 10 9 | 7,44,398 2 7 | 234,184 | 86,147 | 320,331 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July . | 1 1 940 | 1,03,184 | 722,057 | 51,085 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| *162·36 | ,, ,, of Aug. ... | 126,7 7 | 1,00,166 | 796,097 | 59,545 | 475 | 1,60,186 | 987 | 56,345 | 2 11 11 |
| 162·36 | First 4 days of Sept. .. | 14,737 | 11,159 | 82,431 | 5,858 | 68 | 17,085 | 105 | 7,496 | 2 4 6 |
| 162·36 | Week ended 11th ,, ... | 34,653 | 28,813 | 169,808 | 12,030 | 119 | 41,568 | 256 | 13,168 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 134,503 | 11,881 | 119 | 34,115 | 210 | 13,165 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 2 ,512 | 17,462 | 170,107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. .. | 29,3 4 | 21,054 | 205,639 | 18,949 | 130 | 40,133 | 247 | 13,380 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 2 ,888 | 201,088 | 19,244 | 130 | 42,212 | 260 | 13,816 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, . | 24,737 | 23,490 | 293,154 | 23,009 | 107 | 46,606 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | 2 ,695 | 29,533 | 2,50,299 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 10 4 |
| 162·36 | ,, ,, 30th ,, ... | 27,673 | 28,902 | 2,14,523 | 19,727 | 107 | 48,731 | 300 | 14,103 | 3 7 7 |
| 162·36 | ,, ,, 6th Nov. .. | 3 ,922 | 37,000 | 2,75,264 | 22,575 | 107 | 59,742 | 368 | 13,838 | 4 5 1 |
| 162·36 | ,, ,, 13th ,, ... | 25,500 | 27,595 | 2,67,071 | 23,151 | 107 | 50,703 | 313 | 14,627 | 3 7 6 |
| | Totals up to date . | 544,216 | 4,73,287 | 3,782,701 | 3,02,919 | 2,282 | 7,78,488 | 247 | 260,488 | 2 15 1 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 990,656 | 63,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 120,667 | 91,535 | 888,358 | 64,140 | 164 | 1,55,839 | 960 | 70,952 | 2 3 3 |
| 162·36 | First 5 days of Sept. ... | 19,650 | 15,151 | 112,121 | 8,862 | 41 | 24,354 | 150 | 11,513 | 2 1 10 |
| 162·36 | Week ended 12th* ,, ... | 22,701 | 19,222 | 194,727 | 14,928 | 29 | 34,179 | 211 | 15,[illegible]8 | 2 2 5 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 17,880 | 236,042 | 15,188 | 30 | 33,098 | 204 | 16,436 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,910 | 17,423 | 239,810 | 16,2 0 | 73 | 33,746 | 208 | 15,047 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. ... | 24,945 | 22,376 | 266,788 | 18,344 | 61 | 40,781 | 251 | 16,842 | 2 6 9 |
| 162·36 | ,, ,, 10th ,, ... | 23,898 | 18,733 | 316,904 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 24,153 | 21,500 | 302,3 2 | 19,748 | 76 | 41,324 | 255 | 17,269 | 2 6 3 |
| 162·36 | ,, ,, 24th ,, ... | 21,414 | 22,588 | 242,632 | 18,050 | 40 | 40,678 | 251 | 16,398 | 2 7 8 |
| 162·36 | ,, ,, 31st ,, ... | 22,156 | 29,234 | 328,527 | 23,101 | 52 | 43,770 | 270 | 16,073 | 2 9 0 |
| 162·36 | ,, ,, 7th Nov. .. | 26,9 5 | 2 ,811 | 2 0,028 | 22,805 | 55 | 48,071 | 300 | 16,781 | 2 14 5 |
| 162·36 | ,, ,, 14th ,, ... | 25,169 | 26,952 | 265,867 | 20,046 | 75 | 46,778 | 288 | 17,252 | 2 11 5 |
| | Totals up to date ... | 512,019 | 4,15,295 | 4,064,542 | 3,29,171 | 932 | 7,44,398 | 234 | 320,331 | 2 5 2 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 13th November 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 69,500 | 46,500 0 0 | 367,000 0 | 59,000 0 0 | 5,000 0 0 | 1,10,500 0 0 | 14,113 | 18,951 | 33,064 |
| Or per mile of railway ... ... | 90·49 | 60·55 | 476·01 | 76·52 | 6·49 | 143·56 | 18·38 | 24·58 | 42·96 |
| For previous 19 weeks of half-year ... ... ... ... | 1,022,647 | 6,29,078 0 0 | 6,089,220 0 | 9,95,305 0 0 | 101,412 0 0 | 17,25,795 0 0 | 257,075 | 384,456 | 641,531 |
| Total for 20 weeks ... | 1,092,147 | 6,75,578 0 0 | 6,456,220 0 | 10,54,305 0 0 | 106,412 0 0 | 18,36,295 0 0 | 271,188 | 403,407 | 674,595 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 76,726 | 48,952 0 0 | 413,773 0 | 59,689 0 0 | 5,815 0 0 | 1,14,456 0 0 | 13,613 | 22,293 | 35,906 |
| Per mile of railway corresponding week of previous year ... | 99·90 | 63·74 | 536·67 | 77·42 | 7·54 | 148·70 | 17·73 | 28·91 | 46·64 |
| Total to corresponding date of previous year ... ... ... | 1,069,449 | 6,40,496 0 0 | 6,344,792 0 | 9,99,288 0 0 | 1,09,721 0 0 | 17,49,505 0 0 | 291,209 | 401,981 | 693,190 |

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway*

| Receipts for week ending 13th November 1909. | | | Receipts for week ending 14th November 1908. | | | Total receipts from 1st April 1909 to 13th November 1909. | | | Total receipts from 1st April 1908 to 14th November 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,10,500 | 143·56 | 771 | 114,456 | 148·70 | 771 | 29,8 ,260 | ... | 771 | 28,51,524 | ... | 1,28,736 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 13th November 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 302,000 | 1,14,880 (a) | 925,842 | 1,24,010 (b) | 19,230 (c) | 2,58,120 | 59,608 | 30,661 (d) | 90,269 |
| Or per mile of railway .. ... | 161·76 | 61·53 | 495·90 | 66·42 | 10·30 | 138·25 | ..... | ..... | ..... |
| For previous 18¾ weeks of half-year (e) ... ... .. ... | 5,598,451 | 20,44,006 | 14,828,627 | 16,46,868 | 3,35,044 | 40,25,918 | 1,030,869 | 684,723 | 1,715,592 |
| Total for 19¾ weeks ... | 5,900,451 | 21,58,886 | 15,754,469 | 17,70,878 | 3,54,274 | 42,84,038 | 1,090,477 | 715,384 | 1,805,861 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 424,208 | 2,11,271 | 1,047,402 | 1,67,174 | 24,899 | 4,03,344 | 63,530 | (f) 49,441 | 112,97 |
| Per mile of corresponding week o previous year ... ... ... | 236·86 | 117·97 | 584·81 | 93·34 | 13·90 | 225·21 | . | ..... | ..... |
| Total to corresponding date of previous year ... .. .. | 6,303,388 | 24,68,503 | 17,200,028 | 21,04,244 | 4,26,557 | 49,99,304 | 1,178,380 | 774,356 | 1,952,742 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... ... | | 1·93 | | 4·04 | ·21 | 2·86 | | | |
| Ditto for corresponding week of previous year ... ... | | 3·33 | | 3·33 | ·22 | 3·57 | | | |

(a) Decrease mainly due to 8 nepore mela held earlier last year.
(b) Ditto chiefly under local and foreign inwards.
(c) Ditto chiefly under steam-boat.
(d) Includes 4,193 miles of ballast trains.
(e) Ditto audited figures up to September 1909.
(f) Ditto 2,362 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 13th November 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. (f) | Rs. A. P. | Rs. A. P. (h) | | | |
| Total traffic for the week ... | 455,890 | 1,76,070 0 0 | 2,002,230 0 | 3,70,250 0 0 | 34,230 0 0 | 5,80,550 0 0 | 79,425 | (d)57,522 | 136,947 |
| Or per mile of railway per week | (a) 339 | (a) 131 0 0 | 1,337 0 | 247 0 0 | (c) 9 0 0 | (c)374 0 0 | ..... | ..... | ..... |
| For previous 19 weeks of half-year (e) ... ... ... ... | 8,295,663 | 32,09,231 0 0 | 40,802,451 0 | 67,46,951 0 0 | 6,34,015 0 0 | 1,05,90,197 0 0 | 1,490,404 | 1,118,641 | 2,539,045 |
| Total for 20 weeks . | 8,751,553 | 33,85,301 0 0 | 42,804,681 0 | 71,17,201 0 0 | 6,68,245 0 0 | 1,11,70,747 0 0 | 1,499,829 | 1,176,163 | 2,675,992 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 501,376 | (g) 2,43,380 0 0 | 2,101,093 0 | 3,95,664 0 0 | 22,056 0 0 | 6,61,100 0 0 | 78,968 | 55,306 | 134,274 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b) 408 | (b) 198 0 0 | 1,649 0 | 311 0 0 | 1 0 0 | 503 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. | 9,421,892 | 36,36,564 0 0 | 43,120,423 0 | 67,93,570 0 0 | 6,50,337 0 0 | 1,10,80,471 0 0 | 1,473,010 | 1,101,984 | 2,574,994 |

(a) Excluding 152 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 20,000.
(d) Includes ballast train-miles, Rs. 8,552.
(e) Audited up to August 1909.
(f) Includes adjustments for ballast trains, Loco. coal, Revenue stores, &c.
(g) Includes Rash Jatra pilgrim traffic.
(h) Decrease is chiefly due to Rash Jatra pilgrim traffic and jute traffic in the previous year.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 13th November 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 40,040 | 11,490 0 0 | 112,350 0 | (c) 9,670 0 0 | 440 0 0 | 21,600 0 0 | 5,788 | (a) 2,838 | 8,626 |
| Or per mile of railway per week | 466 | 134 0 0 | 1,306 0 | 112 0 0 | 5 0 0 | 251 0 0 | ..... | ..... | ..... |
| For previous 19 weeks of half-year (b) .. .. .. | 794,720 | 2,21,727 0 0 | 1,762,949 0 | 1,19,930 0 0 | 4,196 0 0 | 3,45,853 0 0 | 101,668 | 36,582 | 138,250 |
| Total for 20 weeks | 834,760 | 2,33,217 0 0 | 1,875,299 0 | 1,29,600 0 0 | 4,636 0 0 | 3,67,453 0 0 | 107,456 | 39,420 | 146,876 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. | (d) 48,730 | (d)14,351 0 0 | 128,971 0 | 11,375 0 0 | 110 0 0 | 25,836 0 0 | 5,656 | 2,082 | 7,738 |
| Per mile of railway corresponding week of previous year .. | 567 | 167 0 0 | 1,500 0 | 132 0 0 | 1 0 0 | 300 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... | 941,288 | 2,61,425 0 0 | 1,896,512 0 | 1,38,419 0 0 | 4,835 0 0 | 4,04,729 0 0 | 110,766 | 34,879 | 145,645 |

(a) Includes ballast train-miles, 300.
(b) Audited up to August 1909.
(c) Includes adjustments for ballast trains, Revenue Stores, &c.
(d) Includes Rash Jatra Pilgrim traffic.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 13th November 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 3,620 | 1,510 0 0 | 29,820 0 | (c)2,860 0 0 | 10 0 0 | 4,380 0 0 | 455 | (a)1,926 | 2,381 |
| Or per mile of railway per week | 108 | 45 0 0 | 888 0 | 85 0 0 | . . | 130 0 0 | ..... | ..... | ..... |
| For previous 19 weeks of half-year (b) ... ... ... ... | 70,223 | 24,738 0 0 | 364,080 0 | 31,650 0 0 | 271 0 0 | 56,659 0 0 | 9,375 | 37,640 | 47,015 |
| Total for 20 weeks ... | 73,843 | 26,248 0 0 | 393,900 0 | 34,510 0 0 | 281 0 0 | 61,039 0 0 | 9,830 | 39,566 | 49,396 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | (d)12,923 | (d)5,282 0 0 | 21,815 0 | 1,897 0 0 | 16 0 0 | 7,195 0 0 | 455 | 1,039 | 1,494 |
| Per mile of railway corresponding week of previous year ... | 385 | 157 0 0 | 649 0 | 56 0 0 | 1 0 0 | 214 0 0 | ..... | ..... | ..... |
| Total to corresponding week of previous year .. ... ... | 88,622 | 33,233 0 0 | 443,975 0 | 38,081 0 0 | 245 0 0 | 71,559 0 0 | 9,128 | 33,442 | 42,570 |

(a) Includes ballast train-miles, 935.
(b) Audited up to August 1909.
(c) Includes adjustments for revenue stores.
(d) " Rash Jatra pilgrim traffic.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 13th November 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 14,890 | 3,750 0 0 | 39,670 0 | 2,350 0 0 | 40 0 0 | 6,150 0 0 | 1,540 | (a)768 | 2,308 |
| Or per mile of railway per week | 276 | 69 0 0 | 735 0 | 44 0 0 | 1 0 0 | 114 0 0 | ..... | ..... | ..... |
| For previous 19 weeks of half-year(b) ... ... ... ... | 215,078 | 63,741 0 0 | 1,150,631 0 | 59,087 0 0 | 515 0 0 | 1,23,343 0 0 | 31,790 | 12,343 | 44,133 |
| Total for 20 weeks . | 229,968 | 67,491 0 0 | 1,190,301 0 | 61,447 0 0 | 555 0 0 | 1,29,493 0 0 | 33,330 | 13,111 | 46,441 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... ... | 18,432 | 5,200 0 0 | 190,905 0 | 5,557 0 0 | 65 0 0 | 10,822 0 0 | 1,962 | 1,052 | 3,014 |
| Per mile of railway per week for corresponding week of previous year ... ... ... ... ... | 341 | 96 0 0 | 1,669 0 | 103 0 0 | 1 0 0 | 200 0 0 | .... | ... .. | ..... |
| Total to corresponding w ek of previous year ... ... | 276,143 | 82,129 0 0 | 1,206,875 0 | 66,675 0 0 | 721 0 0 | 1,49,525 0 0 | 38,796 | 15,161 | 53,957 |

(a) Ballast train-miles, *nil*.
(b) Audited up to August 1909.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(Including Dacca Section.)

*Approximate Return of Traffic and Mileage for the week ending 20th November 1909 on 1,497 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | (f)481,900 | 1,53,040 0 0 | 2,037,410 0 | 3,92,670 0 0 | 36,860 0 0 | 6,23,170 0 0 | 78,079 | (d)60,225 | 138,304 |
| Or per mile of railway per week | (a)339 | (a)136 0 0 | 1,361 0 | 262 0 0 | (c)19 0 0 | (c)501 0 0 | .. | ... | ... |
| For previous 20 weeks of half-year(e) ... ... ... .. | 8,544,631 | 33,81,237 0 0 | 43,188,150 0 | 70,53,024 0 0 | 6,79,222 0 0 | 1,10,93,483 0 0 | 1,493,578 | 1,187,439 | 2,681,017 |
| Total for 21 weeks ... | 9,026,531 | 35,74,877 0 0 | 45,225,560 0 | 74,25,694 0 0 | 7,16,082 0 0 | 1,17,16,653 0 0 | 1,571,657 | 1,247,664 | 2,819,321 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. | 429,712 | 2,06 427 0 0 | 2,045,590 0 | 3,95,669 0 0 | 24,073 0 0 | 6,26,169 0 0 | 75,476 | 54,907 | 130,383 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... .. ... | (b)349 | (b)163 0 0 | 1,606 0 | 311 0 0 | 1 0 0 | 474 0 0 | . | . | . |
| Total to corresponding date of previous year ... .. | 9,851,004 | 38,42,992 0 0 | 45,166,013 0 | 71,89,239 0 0 | 6,74,410 0 0 | 1,17,06,641 0 0 | 1,548,486 | 1,156,891 | 2,705,377 |

(a) Excluding 77 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 23,600.
(d) Includes ballast train-miles Rs. 6,969.
(e) Audited up to September 1909.
(f) Includes Panjrapole melas short journey tickets.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 20th November 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P | | | |
| Total traffic for the week ... | 40,030 | 12,170 0 0 | 86,830 0 | 7,350 0 0 | 170 0 0 | 19,690 0 0 | 5,754 | (a)2,728 | 8,482 |
| Or per mile of railway per week | 465 | 142 0 0 | 1,010 0 | 85 0 0 | 2 0 0 | 229 0 0 | ... | ... | ... |
| For previous 20 weeks of half-year (b) ... ... . ... | 869,564 | 2,43,640 0 0 | 2,156,386 0 | 1,33,869 0 0 | 5,114 0 0 | 3,82,614 0 0 | 107,453 | 40,293 | 147,746 |
| Total for 21 weeks ... | 900,594 | 2,55,810 0 0 | 2,243,216 0 | 1,41,219 0 0 | 5,284 0 0 | 4,02,304 0 0 | 113,207 | 43,021 | 156,228 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 42,546 | 14,239 0 0 | 98,206 0 | 8215 0 0 | 465 0 0 | 22,919 0 0 | 5,656 | 1,598 | 7,254 |
| Per mile of railway corresponding week of previous year ... | 495 | 166 0 0 | 1,142 0 | 96 0 0 | 5 0 0 | 267 0 0 | ... | ... | ... |
| Total to corresponding date of previous year ... ... | 983,834 | 2,75,664 0 0 | 1,934,718 0 | 1,46,634 0 0 | 5,350 0 0 | 4,27,648 0 0 | 116,422 | 36,477 | 152,899 |

(a) Includes ballast train miles 800.
(b) Audited up to September 1909.

## COOCH BEHAR RAILWAY—(NATIVE SECTION).

*Approximate Return of Traffic and Mileage for the week ending 20th November 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 3,530 | 1,540 0 0 | 23,190 0 | 2,070 0 0 | 10 0 0 | 3,620 0 0 | 420 | (a) 1,989 | 2,409 |
| Or per mile of railway per week | 105 | 46 0 0 | 690 0 | 62 0 0 | ..... | 108 0 0 | ... | ... | ... |
| For previous 20 weeks of half-year (b) .. ... .. | 72,357 | 26,043 0 0 | 408,752 0 | 36,654 0 0 | 283 0 0 | 62,980 0 0 | 10,014 | 39,714 | 49,728 |
| Total for 21 weeks | 75,887 | 27,583 0 0 | 431,942 0 | 38,724 0 0 | 293 0 0 | 66,600 0 0 | 10,434 | 41,703 | 52,137 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 4,704 | 1,930 0 0 | 24,326 0 | 2,269 0 0 | 15 0 0 | 4,214 0 0 | 420 | 782 | 1,202 |
| Per mile of railway corresponding week of previous year ... | 140 | 57 0 0 | 721 0 | 68 0 0 | ..... | 125 0 0 | ... | .. | ... |
| Total to corresponding week of previous year .. .. | 93,326 | 35,163 0 0 | 468,201 0 | 40,350 0 0 | 260 0 0 | 75,773 0 0 | 9,548 | 34,224 | 43,772 |

(a) Includes ballast train miles 945.
(b) Audited up to September 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 20th November 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 16,050 | 3,990 0 0 | 81,980 0 | 4,390 0 0 | 30 0 0 | 8,410 0 0 | 1,540 | (a) 751 | 2,291 |
| Or per mile of railway per week | 297 | 74 0 0 | 1,518 0 | 81 0 0 | 1 0 0 | 156 0 0 | .. | ... | .. |
| For previous 20 weeks of half-year (b) ... ... .. ... | 227,376 | 68,261 0 0 | 1,207,425 0 | 60,002 0 0 | 575 0 0 | 1,28,838 0 0 | 33,330 | 13,157 | 46,487 |
| Total for 21 weeks . | 243,426 | 72,251 0 0 | 1,289,405 0 | 64,392 0 0 | 605 0 0 | 1,37,248 0 0 | 34,870 | 13,908 | 48,778 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year | 19,296 | 4,823 0 0 | 112,887 0 | 5,540 0 0 | 29 0 0 | 10,392 0 0 | 1,958 | 1,184 | 3,142 |
| Per mile of railway per week for corresponding week of previous year ... ... ... ... .. | 356 | 89 0 0 | 2,091 0 | 102 0 0 | 1 0 0 | 192 0 0 | . | . | ... |
| Total to corresponding week of previous year ... .. ... | 295,349 | 86,951 0 0 | 1,319,762 0 | 72,216 0 0 | 750 0 0 | 1,59,017 0 0 | 40,754 | 16,345 | 57,099 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to September 1909.

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 1st December 1909.

REGISTERED No. C 209.]

No. 49 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, DECEMBER 8, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Report on the Administration of Wards' and Attached Estates in the Lower Provinces for the year 1908-09 ... ... ... ... ... ... | 1849—1851 |
| Weather and Crop Report for the week ending the 6th December 1909 ... ... ... ... ... | 1852—1856 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 4th December 1909 ... ... ... ... ... ... | 1857 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 30th November 1909... | 1858—1865 |
| Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the months of September, October and November 1909 ... ... | 1866—1868 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 28th November to 4th December 1909 ... ... ... ... ... ... | 1869 |
| Railway Returns ... ... ... ... ... ... | 1870—1879 |

## RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF WARDS' AND ATTACHED ESTATES IN THE LOWER PROVINCES FOR THE YEAR 1908-09.

REVENUE DEPARTMENT—LAND REVENUE.

*Calcutta, the 6th December 1909.*

RESOLUTION—No. 3834L.R.

READ—

The Report of the Board of Revenue on the administration of Wards' and Attached Estates in the Lower Provinces for the year 1908-09.

There was again much delay on the part of many estates in the submission of the annual reports and returns required for the preparation of the report under review. Managers of estates should be informed that want of punctuality in the submission of their periodical reports and returns will be regarded as a mark of inefficiency on their part.

2. *Number of estates under management.*—The number of estates under the management of the Court of Wards at the close of the year was 209, against 200 in the preceding year.

3. *Payment of revenue and cesses.*—The percentage of land revenue and cess paid to Government on the total demand was the same as in the preceding year, namely, 92·4 per cent. The Lieutenant-Governor observes that many of the estates which were noted as defaulters in the previous year's report, have again defaulted heavily this year, in particular the Pachetgarh Estate in Midnapore, and the following estates in the 24-Parganas, the Mukharji Estate, the Panihati Estate No. 1, and the Tagore Estate, though as regards the latter it is noted that a large portion of the balance is expected to be paid off from the sale proceeds of the Midnapore property. The Lieutenant-Governor expects to see substantial reductions effected in these balances during the current year.

4. *Rent and cesses due to superior landlords.*—The total payments made under this head were 67·4 per cent. of the total demands, against 63·4 per cent. in the preceding year. The Uttarpara and Sultangacha Estates, in the district of Hooghly, both of which are deeply involved in debt, were the heaviest defaulters in this respect.

5. *Collection of rent and cesses.*—The collections fell from 95·7 per cent. of the current demand during the preceding year to 94·1 per cent. in the year under report. Failure of crops is the reason assigned for short collections in the majority of cases.

6. *Balance of rents and cesses due to estates.*—The total uncollected balance due to estates under management amounted to Rs. 1,16,37,856, or 121·2 per cent. of the total current demand, as against 128·9 per cent. in the preceding year. The Dumraon Estate in Shahabad is responsible for 40·8 per cent. of this heavy balance. A considerable portion of the balance, particularly in the Dumraon Estate, is reported to be altogether irrecoverable, either as being time barred, or for other reasons. The Lieutenant-Governor must call attention to the observation recorded last year, that such irrecoverable balances ought to be remitted promptly with the sanction of the Board. The Janbazar Estate in the 24-Parganas has this year, as last year, shown a balance of over Rs. 4,00,000, as against a current demand of Rs. 1,50,000. No explanation of this excessive balance has been furnished, and His Honour requests that the Board will submit a separate report on the case.

The number of certificates filed during the year under report exceeded the number filed in 1907-08 by 1,021, but the percentage of realisations on these certificates fell from 32·5 to 25·8. These figures are not satisfactory, and the Lieutenant-Governor desires that the Board will call the attention of managers to the subject. It appears unsatisfactory that in the Maheshpur Estate it should have been found possible to apply the certificate procedure to time-barred and fictitious demands. The policy uniformly followed by Government and the Board has been that the certificate procedure should be allowed only in estates where the accuracy of the records and accounts could be guaranteed, and it is not explained why there should have been an exception in this case.

The Lieutenant-Governor also observes that recoveries on amounts decreed amounted to only 27 per cent. as against 45 per cent., last year, and he entirely agrees with the Board that this branch of the managers' work requires the careful scrutiny of the District Officers concerned.

7. *Payment of debts*—During 1908 the Court accepted the responsibility of new debts amounting to over Rs. 1,00,00,000, out of which the four estates of Muksudpur, Maheshpur, Sonbarsa and Uttarpara accounted for over Rs. 65,00,000. Accordingly although Rs. 51,83,452 were paid in liquidation of debts as against Rs 35,99,997 in the previous year, the percentage of the amount paid to the total liability was the same as in the previous year, namely 16·3 per cent.

8. *Cost of management and expenditure on improvements.*—The total cost of management was 10·5 per cent. of the total current demand, as against 10·7 per cent. in the preceding year. The only divisions in which the percentage was below the prescribed limit of 10 per cent. are the Patna, Bhagalpur and Chota Nagpur Divisions. The general increase in the cost of management during the year was, as in the preceding year, mainly due to the payment of grain compensation allowances.

The expenditure on works of improvement, schools and dispensaries was on the whole satisfactory. The total amount spent was Rs. 4,26,138, or nearly the same as during the year 1907-08.

The agricultural experiments conducted in the various estates during the year were generally attended with poor results, the want of success being in almost all cases attributed to unfavourable weather conditions.

9. *Education of wards.*—The arrangements made for the education of wards and the results attained were on the whole satisfactory. There are now 11 inmates in the hostel which has been started at Hazaribagh.

10. *Amendment of Chota Nagpur Encumbered Estates Act VI of 1876.*—Some important amendments were made in this Act during the year under review. In particular it has been provided that the Deputy Commissioner may take action for the application of the Act, when a proclamation for sale of the immovable property of an estate has been issued, or when he is satisfied that the holder of the estate has entered upon a course of wasteful extravagance likely to dissipate the property. The Board of Revenue have also been given powers of supervision and control which they did not possess under the old law.

11. The thanks of the Lieutenant-Governor are due to the Board of Revenue for their careful supervision and efficient administration of the estates under their charge during the year. The good services of the officers commended by them will be noted in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Chief Secretary to the Govt. of Bengal.*

## WEATHER AND CROP REPORT.

*For the week ending the 6th December 1909.*

| No. | Name of district | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, &c. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | 0·67 | 11½ | 11½ | *Rabi* crops doing well. Harvesting of *aman* paddy continuing. Planting of potatoes nearly finished. Condition of cattle good. Stocks of food-grains, fodder and water sufficient. Prices stationary. |
| 2 | BIRBHUM ... | 0·09 | 10 | 10 | Rainfall at Rampur Hât *nil*. Harvesting of winter paddy commenced. Standing crops doing well. Food-grains, fodder and water sufficient. No cattle-disease. |
| 3 | BANKURA ... | 0·36 | (New) 13 | 11½ | Rainfall at Vishnupur *nil*. Weather cloudy at the latter part of the week. Harvesting of paddy going on. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. Old common rice selling at 11½ seers a rupee at Sadar. |
| 4 | MIDNAPORE . | 0·64 | 10 | 10 | Rainfall at Contai 0·03, at Tamluk and Ghatal *nil*. Weather seasonable and cold. Sowing of summer rice commenced in Tamluk. *Boro* seedlings being grown in Ghatal. Prospects of sugarcane good. No cattle-disease reported. Fodder and water sufficient. Common rice selling at 13 and 9 seers per rupee at Contai and Tamluk respectively. Price of common rice at Ghatal not reported. |
| 5 | HOOGHLY ... | 0·70 | 9¼ | 9 | Weather cold. Prices of food-grains stationary. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Sowing of *rabi* crops continuing. Harvesting of winter paddy going on. Fodder and water sufficient. No cattle-disease. |
| 6 | HOWRAH ... | 0·56 | 9½ | 9½ | Slight rain towards the end of the week. Sky now clear. Weather seasonable. Harvesting of winter rice going on. Some damage to harvested winter rice apprehended. *Rabi* sowings nearing completion. Sowings of seeds of *boro* paddy in progress. Stocks of food-grains, fodder and water sufficient. No cattle-disease reported. Common rice selling at 9½ to 10 seers a rupee at Ulubaria. |
| 7 | 24-PARGANAS | 0·65 | 8½ | 8½ | Weather seasonable. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9¼ seers at Barrackpore, at 11 seers at Basirhat and at 10½ seers at Diamond Harbour. |
| 8 | NADIA ... | 0·48 | 11 13/16 | 11 13/16 | Rainfall at Kushtia 0·07 and at other subdivisions *nil*. Sowing of *rabi* crops almost finished. Harvesting of winter rice, *kalai* and *mung* continuing. Prospects of standing crops good. Prices stationary. Stocks of food-grains, fodder and water sufficient. No cattle-disease. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | Nil | 13½ | ... | Weather cloudy and rainy for two days. Standing crops faring satisfactorily. Harvesting of *aman* paddy commenced. Cultivation of *rabi* crops still continuing. No cattle-disease. Fodder and water sufficient. Agricultural stock in fair condition. Stocks of food-grains sufficient. |
| 10 | JESSORE ... | 0·69 | 11⅞ | 11⅞ | Sky overcast. Rainfall not general. Harvesting of winter rice and sowing of *rabi* crops in progress. Prospects fair. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Kotchandpur. Condition of agricultural stock good. |
| 11 | KHULNA ... | 1·48 | 9½ | 9½ | Rainfall at Bagerhat and Satkhira *nil*. Weather hot and oppressive early in the week and stormy in the end. Prospects of standing crops good. |
| 12 | PATNA ... | Nil | 12½<br>22* | 12<br>21* | Weather seasonable and cloudy. Harvesting of paddy in progress. Rain wanted for *rabi* crops. Sugarcane-pressing going on. Cattle-disease reported from Paligong and Nawbatpur. Fodder and water sufficient. |
| 13 | GAYA ... | Nil | 13 5/16<br>21½* | 12 13/16<br>20 1/16* | Weather seasonable at the beginning. *Rabi* crops doing well. Sowings still going on in places. Paddy being harvested. Outturn better than normal. Prices falling. Cattle-disease reported from three villages in the Johanabad subdivision. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | Nil | 11<br>19* | 11<br>18* | Standing crops doing well. Harvesting of winter rice and pressing of sugarcane going on. Stocks of food-grains sufficient. Condition of agricultural stock normal. Fodder and water sufficient. Prices of food-grains stationary. |
| 15 | SARAN ... | Nil | 13<br>21* | 12½<br>20* | Weather seasonable. Harvesting of winter rice and sowing of poppy going on. *Rabi* crops being irrigated. Pressing of sugarcane commenced. Prices of staple food-grains slightly fallen. No cattle-disease. Fodder and water sufficient. Agricultural stock in good condition. |
| 16 | CHAMPARAN ... | Nil | 12¾<br>21⅓* | 12¾<br>21¼* | Weather seasonable. *Rabi* crops in good condition. Harvesting of paddy going on. Fodder and water sufficient. Condition of agricultural stock good. No cattle-disease. |
| 17 | MUZAFFARPUR | Nil | 13<br>21* | 12¾<br>21* | Weather seasonable. Prospects of standing crops excellent. *Rabi* sowings continuing. Harvesting of paddy progressing. Common rice and *makai* selling at 13¼ and 23 seers a rupee respectively at Sitamarhi and at 10½ and 19 seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Sheohar thana. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 18 | DARBHANGA ... | Nil | $15\frac{3}{8}$<br>$24\frac{3}{16}$* | $14\frac{5}{16}$<br>$20\frac{1}{8}$* | Weather seasonable. Prospects of standing crops good. Paddy crops being harvested. *Rabi* sowings still in progress in places. Food-stocks sufficient. Fodder and water sufficient. No cattle-disease reported. Common rice (average quality) selling at $13\frac{3}{16}$ seers a rupee at Sadar. *Makai* selling at $24\frac{5}{16}$ seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 13<br>22* | $10\frac{1}{2}$<br>18* | Weather cold with bright sunshine. Harvesting of paddy commenced. Sowing of *rabi* crops almost completed. *Rahar* and *kulthi* doing well. Stocks of food-grains sufficient. Cattle-disease reported from Gogri thana. Fodder and water sufficient. |
| 20 | BHAGALPUR .. | Nil | $13\frac{7}{8}$<br>$20\frac{1}{4}$* | $13\frac{7}{8}$<br>$20\frac{1}{4}$* | Weather seasonable. Harvesting of *aghani* paddy going on everywhere. Prospects of *aghani* paddy and *kulthi* excellent. Agricultural stock in good condition. Cattle-disease reported from Supaul, Bhimnagar and Pratapganj. No apprehension of scarcity at all. |
| 21 | PURNEA ... | Nil | 14 | 13 | Weather cold and cloudy in the latter part of the week. Reaping of *aghani* paddy going on. Good harvest expected. *Rabi* sowings nearly finished. Prospects of standing crops good. Stray cases of cattle-disease reported from two thanas. Fodder and water sufficient. New common rice selling at 13 and 14 seers a rupee at Araria and Kishanganj respectively. |
| 22 | DARJEELING ... | Nil | 8<br>15* | 8<br>15* | Weather seasonable. Hills—*Bara marua* and *bhadoi* paddy being harvested. *Chota marua*, winter rice, wheat, barley and oilseeds growing. Terai—Harvesting of winter rice commenced. Prospects satisfactory. Potatoes being sown. Prices of food-grains stationary. |
| 23 | SONTHAL PARGANAS. | ... | $16\frac{1}{4}$<br>$24\frac{3}{4}$* | $16\frac{1}{4}$<br>$24\frac{3}{4}$* | Weather seasonable. Harvesting of winter paddy going on. Prospects of standing crops very favourable. Stocks of food-grains likely to last till next harvest. No cattle-disease reported. Fodder and water sufficient. |
| 24 | CUTTACK ... | 0·23 | $13\frac{3}{4}$ | $13\frac{3}{4}$ | *Lagku saradh*, early cotton and sugarcane being harvested and *guru saradh* being cut. Mustard, *biri*, *kulthi* and tobacco growing. Cattle-disease reported from Banki only. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches | | | |
| 25 | BALASORE ... | 1·45 | 15 | 15 | Rainfall at Bhadrak *nil*. Weather seasonable. Harvesting of *saradh* and pressing of sugarcane continuing. *Rabi* crops in flower and fruit. Vegetables doing well. Condition of cattle good. Fodder and water available. Coarse rice selling at 17 seers per rupee at Bhadrak. Prices stationary at Sadar and falling at Bhadrak. |
| 26 | ANGUL ... | 1·00 | 18 | 18 | Weather cloudy. Harvesting of winter rice and *rabi* crops progressing. Common rice selling at 13½ seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported from the Khondmals. |
| 27 | PURI ... | 4·18 | 12⅛ | 11 13/16 | Rainfall at Khurda 0·25. *Saradh* paddy being harvested. Sugarcane being pressed. *Kulthi* and mustard thriving well. Fodder and water sufficient. Cattle-disease reported from Bhubaneshwar and Jinkia *chaklas*. Common rice selling at 14 7/16 seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | Nil | 17 | 16 | Reaping of winter rice and threshing of winter and autumn rice continuing. Harvesting of cotton, *mung*, *til* and *kulthi* in progress. Pressing of sugarcane continuing in the Bargarh tahsil. Condition of sugarcane good. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Estimated outturn of winter rice 12 annas, of *til*, *mung* and *kulthi* 16 annas in the Sadar subdivision. Malignant sore-throat, foot-and-mouth diseases reported. Common rice (average quality) selling at 16 seers a rupee at Sadar. Cheapest rice selling at 20 seers per rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 12<br>19* | 12½<br>20* | Weather seasonable. Harvesting and threshing of paddy continuing. Condition of standing crops good. Stocks of food-grains, fodder and water sufficient. Cattle-disease in one thana. |
| 30 | RANCHI ... | 0·02 | 13½ | [illegible] | Weather lately cloudy but now clearing. Harvesting of paddy continuing. Lands being ploughed for next sowing. *Rabi* crops doing well except in thana Chainpur. No cattle-disease. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | 11¼ | 11¼ | Weather seasonable. Harvesting of paddy nearly finished. Rain wanted for *rabi* crops. Sugarcane being pressed. Fodder and water sufficient. Some cattle-disease. |
| 32 | MANBHUM ... | 0·12 | 15 | 14 | Weather cloudy. State of standing crops good. Harvesting of winter rice continuing. Fodder and water sufficient. Cattle-disease reported from thana Rajganj. Condition of agricultural stock good. Prices of staple food-grains showing a tendency to go down. Common rice selling at 11½ seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 12 | 12 | Weather cold. Harvesting of winter paddy nearly completed. Condition of cattle good. Fodder and water sufficient. Common rice selling at 12 and 14½ seers a rupee at Kharsawan and Seraikella, respectively. |

* The figures indicate price of the maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 34 | COOCH BEHAR | Nil | 8 | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Transplantation of tobacco seedlings, sowing of mustard seeds, and harvesting of *haimantik* paddy continuing. Prices of food-grains almost stationary. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Weather seasonable. Harvesting of winter paddy in progress. Pressing of sugarcane commenced in Baramba, Dhenkanal, Ranpur and Talcher. Standing crops doing well, but rain badly wanted in Dhenkanal for *rabi* and miscellaneous crops. Fodder and water sufficient. During the week, price of rice fallen in three States and stationary in the remaining States: price varying from 13 seers in Tigiria and Khandpara and 15 seers in Rairakhol and Athmallik to 24 seers in Pal Lahara and 28 seers in Bonai. |

* The report is for the week ending the 27th November 1909.

GENERAL SUMMARY.—The weather was seasonable at the beginning of the week, but later was stormy and cloudy over Orissa and Bengal Proper. The rainfall was heavy in Puri, moderate in Balasore and Angul and light in Bengal Proper. There was no rain in Bihar. Harvesting of *aman* paddy is in progress. Prospects are good. Pressing of sugarcane has commenced in some districts of Bihar and Orissa. The price of common rice has risen in Hazaribagh and has fallen in twelve districts. Cattle-disease is reported from Jessore, Patna, Gaya, Muzaffarpur, Monghyr, Bhagalpur, Purnea, Hazaribagh, Palamau, Manbhum and from the Orissa Division excepting Balasore. The supply of fodder and water is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 7th December 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday the 4th December 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 4th December 1909 | | | Week ending Saturday, the 5th December 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats | Weight of cargo. | Tolls. | Number of boats. | Weight of cargo. | Tolls. |
| | | Mds | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 410 | 45,255 | 679 | 594 | 48,728 | 785 |
| Jute ... ... | 276 | 82,525* | 1,281 | 308 | 105,945† | 1,672 |
| Firewood ... ... | 37 | 33,400 | 510 | 40 | 30,350 | 467 |
| Other articles .. ... | 620 | 144,675 | 1,673 | 699 | 166,977 | 2,258 |
| Total ... | 1,343 | 305,855 | 4,143 | 1,641 | 351,000 | 5,182 |

* Weight by canal measurement, 93,824 maunds.
† Ditto ditto 118,000 do.

CALCUTTA,
*The 7th December 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu. (*Pennisetum typhoid eum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan | ... | ... | ... | ... | ... | ... | 11 12 | 9 0 | 7 0 | 12 0 | 9 4 | 7 8 | ... | ... | | ... | ... | ... |
| | 2 | Birbhum | 9 0 | 9 0 | 7 8 | | ... | | 12 0 | 10 0 | 9 0 | 12 0 | 10 0 | 9 0 | ... | ... | | ... | ... | ... |
| | 3 | Bankura | 8 0 | 9 0 | 7 4 | ... | ... | | 11 0 | 10 0 | 8 4 | New 13 0 Old 11 8 | 11 0 | 8 12 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 8 0 | 6 0 | ... | ... | ... | 10 8 | Old 10 13 | 7 12 | New 12 8 Old 11 2 | Old 11 2 | 9 6 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly | ... | ... | ... | ... | | | 8 0 | 8 8 | 6 2 | 9 8 | 9 2 | 7 4 | ... | | ... | ... | ... | ... |
| | 6 | Howrah | ... | ... | ... | ... | ... | ... | 8 0 | 7 8 | 6 8 | 9 | 9 0 | 7 0 | ... | | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | Not obtainable | | 7 8 | ... | | ... | 9 0 | 9 0 | 7 0 | 9 8 | 9 8 | 8 0 | ... | | | ... | ... | ... |
| | 8 | Calcutta | 9 0 | 9 0 | 7 0 | 13 0 | 11 0 | 10 0 | 8 8 | 8 0 | 6 8 | 11 0 | 10 8 | 8 0 | ... | ... | ... | 12 0 | ... | 10 0 |
| | 9 | Nadia | 8 0 | 8 14 | 7 8 | 10 10 | 12 4 | ... | 9 6 | 8 14 | 6 11 | 11 13 | 11 9 | 8 8 | ... | | ... | ... | ... | ... |
| | 10 | Murshidabad | 10 8 | 10 4 | 7 4 | 20 0 | 21 8 | 11 8 | 11 8 | 10 8 | 7 4 | 13 0 | 11 8 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 11 | Jessore ... | 6 8 | 6 8 | 6 6 | 8 0 | 8 0 | 7 0 | 10 4 | 10 4 | 7 9 | 14 4 | 4 4 | 9 2 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna ... | ... | ... | | ... | ... | ... | 9 8 | 9 8 | 8 8 | 12 0 | 12 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division | 13 | Patna ... | 10 12 | 10 8 | 8 4 | 20 0 | 19 8 | 13 4 | 11 8 | [illegible] 0 | 8 4 | 12 0 | 11 4 | 9 4 | ... | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 10 7 | 9 12 | 7 4 | 16 9 | 15 6 | 12 6 | 10 15 | 10 5 | [illegible] | 11 7 | 12 1 | 8 8 | ... | ... | 12 0 | ... | ... | ... |
| | 15 | Shahabad ... | 10 0 | 10 0 | 7 8 | 17 8 | 16 0 | 11 8 | 10 8 | 10 0 | 7 0 | 11 0 | 10 4 | 7 4 | ... | ... | | ... | ... | ... |
| Tirhut Division. | 16 | Saran .. | 10 0 | 10 0 | 8 8 | 20 0 | 17 0 | 14 0 | 10 0 | 9 8 | 7 8 | 12 0 | 12 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 8 | 9 0 | 7 8 | 21 0 | 21 0 | 14 0 | 11 0 | 11 0 | 8 0 | 12 12 | 12 0 | 8 12 | ... | | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 10 0 | 9 0 | 8 0 | 15 0 | 16 0 | 12 0 | 8 0 | 8 0 | 6 0 | 12 12 | 12 12 | 8 12 | ... | | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 13 | 9 14 | 8 3 | 15 3 | 14 4 | 13 3 | 9 15 | 9 5 | 6 0 | 14 5 | 12 2 | 7 2 | ... | ... | ... | ... | ... | ... |

*Satin Bazars of the districts of Bengal on the 30th November 1909.*

| SEERS OF EIGHTY TOLAS. | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY OR CHINAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR TUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT. | | | Number. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch | S. Ch. | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | | ... | ... | 10 8 | 11 0 | 8 8 | ... | ... | ... | 9 10 | 8 8 | 6 8 | 21 0 | 21 0 | 21 0 | 1 10 6 | Panga. 1 10 6 | 1 12 0 | 1 |
| ... | ... | ... | | ... | | 12 0 | 11 4 | 7 8 | | ... | | 7 8 | 8 0 | 6 0 | 20 0 | 18 0 | 20 0 | 2 0 0 | Karkatch. 2 0 0 | 1 15 0 | 2 |
| ... | ... | ... | ... | ... | ... | 8 0 | 10 8 | 8 0 | | | ... | 9 8 | 9 8 | 7 8 | 20 0 | 20 0 | 20 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | | ... | ... | 11 0 | 11 0 | 6 8 to 7 0 | | ... | | 8 0 | 8 0 | 6 0 | 21 0 | 21 0 | 20 0 | 1 12 0 | Crushed. 1 12 0 | 1 12 0 | 4 |
| ... | ... | ... | | | ... | 8 8 | 8 8 | 5 12 | | | | 8 0 | 8 0 | 5 10 | 20 0 | 0 0 | 20 0 | 1 12 0 | Panga. 1 12 0 | 2 0 0 | 5 |
| ... | ... | ... | | ... | ... | 10 8 | 10 8 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 7 0 | 20 0 | 20 0 | 16 0 | 1 8 0 | Panga. 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | | | | 12 0 | 11 0 | 8 | | | ... | 9 0 | 9 8 | 7 8 | 22 8 | 22 8 | 24 0 | 1 12 0 | Panga. 1 12 0 | 1 9 6 | 7 |
| ... | ... | | 10 0 | 10 0 | 7 4 | 11 8 | 12 0 | 8 0 | 13 0 | 11 0 | 9 0 | 9 0 | 9 0 | 6 8 | 20 0 | 20 0 | 18 0 | 1 8 0 | Panga. 1 8 0 | 1 15 0 | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 14 8 | 8 10 | | ... | ... | 8 0 | 8 0 | 5 2 | 16 0 | 17 12 | 16 0 | 2 0 0 | Karkatch. 2 0 0 | 1 14 0 | 9 |
| ... | ... | ... | ... | | | 13 0 | 16 0 | 8 8 | | | ... | 11 8 | 15 0 | 7 0 | 21 0 | 21 0 | 21 0 | 1 14 0 | Panga. 1 14 0 | 1 14 0 | 10 |
| ... | ... | ... | | | | 10 0 | 11 4 | 8 0 | | | | 10 0 | 10 0 | ... | 21 0 | 21 4 | 22 0 | 1 14 0 | Panga. 1 14 | 1 12 0 | 11 |
| ... | ... | ... | | | ... | 10 0 | 10 0 | 8 0 | | | | 5 8 | 5 8 | 6 [illegible] | 16 0 | 16 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 12 |
| ... | ... | 14 0 | ... | ... | 9 0 | 15 0 | 15 0 | 10 0 | 20 0 | [illegible] | ... | 13 0 | 12 0 | 8 0 | 19 8 | 19 8 | 19 0 | 2 0 0 | Panga. 2 0 0 | 2 0 0 | 13 |
| 18 7 | ... | 13 0 | 12 5 | ... | 9 0 | 13 8 | 13 9 | 9 [illegible] | 20 4 | 19 3 | 13 8 | 10 0 | 10 4 | 7 0 | 20 8 | 20 12 | 20 0 | 1 15 3 | Panga. 1 14 9 | 2 0 0 | 14 |
| ... | ... | ... | ... | ... | ... | 15 0 | 15 0 | 9 0 | 18 0 | 17 0 | 11 0 | 11 8 | 11 0 | 7 8 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| ... | ... | ... | Not available. | 11 0 | ... | 15 0 | 13 8 | 10 0 | 20 0 | 21 0 | 14 0 | 12 0 | 12 0 | 9 0 | 21 0 | 20 0 | 20 8 | 1 14 0 | Panga. 2 0 0 | 1 15 3 | 16 |
| 22 0 | 22 0 | 15 0 | ... | ... | ... | 15 8 | 15 0 | 10 0 | 21 8 | 20 12 | 13 12 | 10 8 | 10 8 | 8 0 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 22 8 | 22 8 | 11 0 | ... | ... | ... | 14 0 | 13 0 | 8 0 | 21 0 | 21 0 | 13 0 | 10 8 | 10 0 | 7 8 | 21 0 | 21 0 | 19 0 | 1 14 6 | Panga. 1 14 6 | 2 0 0 | 18 |
| 5 5 | 21 3 | 12 1 | ... | ... | ... | 13 3 | 13 3 | 8 12 | 20 14 | 0 14 | 12 1 | 11 0 | 9 14 | 7 11 | 19 12 | 19 12 | 19 12 | 2 0 3 | 2 0 3 | 2 0 3 | 19 |

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat: Present return. | Wheat: Next preceding return. | Wheat: Corresponding return of last year. | Barley: Present return. | Barley: Next preceding return. | Barley: Corresponding return of last year. | Common Rice, Average: Present return. | Common Rice, Average: Next preceding return. | Common Rice, Average: Corresponding return of last year. | Common Rice, Cheapest: Present return. | Common Rice, Cheapest: Next preceding return. | Common Rice, Cheapest: Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*): Present return. | Jowar or Cholum: Next preceding return. | Jowar or Cholum: Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*): Present return. | Bajra or Cumbu: Next preceding return. | Bajra or Cumbu: Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr .. | 11 0 | 11 0 | 9 0 | 14 12 | 11 8 | 11 0 | 13 0 | 9 6 | 6 12 | Burma. 111 0 1 ... Local 13 14½ | 1 9 14 1 8 0 | | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 10 8 | 9 8 | 8 2 | 14 0 | 14 0 | 12 0 | Old (*Mota*). 6 0 | 9 0 7 13½ | 7 9 | 14 0 | 10 2 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea .. | 8 8 | 8 8 | 7 12 | ... | ... | .. | 12 8 | 10 8 | 5 12 | 15 0 | Now *bhadoi* 12 0 | 6 8 | ... | ... | .. | ... | .. | ... |
| | 23 | Darjeeling | 6 0 | 6 0 | 5 8 | 8 0 | 8 0 | 6 8 | 6 4 | 6 0 | 6 7 | 8 0 | 8 0 | 7 0 | ... | ... | . | ... | ... | ... |
| | 24 | South 24 Parganas | 10 8 | 10 8 | 8 0 | 13 0 | 13 0 | 9 8 | 13 12 | 10 8 | 8 8 | 16 4 .. | New 16 8 Old 17 8 | 9 0 | | ... | ... | ... | .. | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack . | 9 13 | 9 13 | 6 14 | .. | . | .. | 15 12 | 13 12 | 10 8 | 13 12 | 13 12 | 10 8 | .. | ... | ... | ... | .. | ... |
| | 26 | Balasore | 7 12 | 7 0 | 7 8 | | .. | . | 14 0 | 11 0 | 9 0 | 15 0 | 16 0 | 9 8 | .. | ... | ... | ... | .. | ... |
| | 27 | Angul .. | ... | ... | 5 0 | ... | | .. | 18 0 | ... | 15 0 | 21 0 | New 21 0 | 15 0 | | ... | ... | . | . | .. |
| | 28 | Puri . | 8 8 | 7 11 | 6 9 | | . | ... | 10 8 | 10 8 | 9 3 | 12 2 | 11 13 | 9 13 | ... | ... | ... | ... | ... | .. |
| | 29 | Sambalpur... | 9 4 | 9 8 | 7 0 | ... | .. | ... | 16 0 | 15 0 | 10 8 | 17 0 | 16 0 | 11 0 | ... | ... | .. | ... | .. | .. |
| CHOTA NAGPUR | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division | 30 | Hazaribagh | 8 8 | 8 0 | 6 12 | 12 0 | 12 0 | 9 0 | 11 8 | 11 0 | 8 0 | 12 8 | 12 0 | 8 8 | ... | ... | ... | ... | ... | ... |
| | 31 | Ranchi ... | 8 8 | 8 4 | 7 0 | 10 0 | 12 0 | 8 0 | 13 8 | 13 0 | 9 0 | 14 8 | 14 8 | 9 8 | .. | ... | .. | ... | ... | ... |
| | 32 | Palamau ... | 9 0 | 9 0 | 7 5 | 15 12 | 13 8 | 11 13 | 9 6 | 8 7 | [illegible] | 11 13 | New 11 1 | 7 14 | ... | . | .. | . | ... | ... |
| | 33 | Manbhum | 8 14 | 8 0 | 7 8 | 10 0 | 10 0 | 10 0 | 11 0 | 11 0 | 7 0 | 14 8 | 8 | 9 8 | . | ... | ... | 12 0 | 12 0 | ... |
| | 34 | Singhbhum | 9 0 | 9 0 | 6 8 | ... | ... | ... | 11 0 | 10 0 | 7 8 | 13 0 | 13 0 | 9 0 | ... | ... | ... | ... | .. | ... |

CALCUTTA,
*The 6th December 1909.*

*Station Bazars of the districts of Bengal on the 30th November 1909*—concld.

| SEERS OF EIGHTY TOLAHS | | | | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, CHADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*dál*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | Number. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | | | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | | |
| — | .. | . | .. | | .. | 16 12 | 14 0 | 9 8 | 22 0 | 19 0 | 12 0 | 10 8 | 10 0 | 7 4 | 21 3 | 21 0 | 20 0 | 1 13 8 | Panga. 1 14 0 | 12 0 0 | 20 |
| ... | . | . | | | ... | 15 0 | 14 0 | 9 [illegible] | 20 0 | 20 4 | 12 12 | 10 0 | 10 2 | 7 8 | 20 0 | 20 0 | 20 0 | 1 14 0 | Panga. 1 13 0 | 1 14 0 | 21 |
| ... | ... | ... | ... | ... | ... | 13 5 | 12 0 | 7 8 | New 32 0 | 23 0 | 10 8 | 9 0 | 8 0 | 6 0 | 18 0 | 18 0 | 16 0 | 2 4 0 | Panga. 2 3 0 | 2 8 0 | 22 |
| 9 12 | 11 0 | 11 0 | ... | .. | ... | 9 0 | 9 0 | 6 8 | 14 0 | 14 0 | 14 0 | 6 0 | 6 0 | 5 4 | 14 0 | 14 0 | 14 0 | 2 12 0 | 2 12 0 | 2 12 0 | 23 |
| ... | ... | | | .. | | 10 8 | [illegible] | 9 0 | 21 12 | 20 0 | 10 8 | 9 0 | 9 0 | 8 0 | 16 0 | 16 0 | 16 0 | 2 8 0 | Karkatch. 2 8 0 | 2 8 0 | 24 |
| ... | ... | .. | .. | | . | 13 2 | Biri or kalai. 13 2 | 9 8 | ... | ... | .. | 13 2 | 11 13 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 | Karkatch. 1 7 0 | 1 13 0 | 25 |
| . | ... | ... | . | | . | 11 0<br>12 0 | Chhola. 12 0<br>Biri. 12 0 | 8 0<br>9 0 | ... | ... | ... | 7 0 | 8 0 | 6 8 | 22 0 | 22 0 | 21 0 | 1 12 0 | Panga. 11 12 0 | 1 14 0 | 26 |
| ... | - | . | | . | | 16 13 | Biri. 16 13 | 8 0 | ... | ... | ... | ... | | 8 0 | 16 12 | 16 12 | 13 0 | 1 14 0 | Karkatch. 1 14 0 | 2 12 0 | 27 |
| .. | ... | | .. | ... | .. | 12 7 | 11 2 | 8 3 | .. | . | ... | 7 11 | 8 3 | 6 3 | 25 0 | 24 0 | 24 0 | 1 8 0 | 1 10 0 | 1 9 0 | 28 |
| ... | ... | | .. | ... | . | 12 0 to 14 0 | 14 0 | 7 0 | ... | .. | .. | 8 8 | 8 0 | 5 5 to 6 0 | 16 0 | 16 0 | 16 0 | 2 4 0 | Karkatch. 2 4 0 | 2 4 0 | 29 |
| 22 8 | 24 0 | 13 5 | ... | ... | ... | 11 0 | 11 0 | 8 4 | 20 0 | 20 0 | 11 8 | 8 8 | 8 8 | 6 4 | 18 0 | 18 0 | 16 0 | 2 4 0 | Panga. 12 4 0 | 2 8 0 | 30 |
| 26 0 | 29 0 | 16 0 | ... | ... | ... | 11 0 | 10 8 | 8 0 | 20 0 | 18 [illegible] | 11 0 | 7 8 | 7 8 | 5 0 to 7 8 | 18 0 | 18 0 | 17 0 | 2 4 0 | Panga. 2 4 0 | 2 4 0 | 31 |
| ... | 20 4 | ... | ... | ... | . | 13 8 | 13 6 | 9 0 | [illegible] 2 | 19 2 | 11 4 | 10 2 | 10 2 | 6 12 | 19 2 | 19 2 | 20 [illegible] | ... | ... | ... | 32 |
| ... | ... | ... | | . | .. | 11 0 | 11 0 | 8 0 | 16 0 | 16 0 | ... | 8 0 | 8 0 | 7 0 | 18 0 | 18 0 | 16 0 | 1 14 6 | Panga. 2 0 0 | 2 2 0 | 33 |
| ... | ... | . | | | ... | 11 0 | 11 0 | 7 0 | ... | ... | ... | 10 0 | 10 0 | 6 8 | 18 0 | 18 0 | 16 0 | 2 0 0 | Panga. 2 0 0 | 2 1 0 | 34 |

Published for general information

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| No. | Marts | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 6 0 | 7 2 0 | 4 8 0 | 4 12 0 | 6 0 0 | 3 4 0 | 3 8 0 | 4 10 0 | 4 8 0 | 4 8 0 | 5 8 0 |
| | Burdwan .. | 4 8 0 | 5 0 0 | 6 4 0 | 3 12 0 | 4 6 0 | 5 8 0 | 3 10 0 | 4 2 0 | 5 4 0 | ... | ... | ... |
| 3 | Midnapore .. | 4 12 0 | 4 10 0 | 6 8 0 | 3 12 0<br>Not sold | Old. 3 10 0<br>New. 3 2 0 | 5 2 0 | 3 6 0<br>3 0 0 | Old. 3 4 0<br>New. 2 14 0 | 4 3 0 | ... | ... | ... |
| 4 | Patna ... | 6 0 0 | 6 4 0 | 7 8 0 | 3 7 0 | 3 15 0 | 4 12 0 | 3 4 6 | 3 7 6 | 4 4 0 | 3 10 6 | 3 12 0 | 4 10 0 |
| 5 | Muzaffarpur | 8 0 0 | 8 0 0 | 10 0 0 | 5 0 0 | 5 0 0 | 6 10 6 | 3 2 3 | 3 2 3 | 4 9 3 | 4 0 0 | 4 7 0 | 5 0 0 |
| 6 | Bhagalpur .. | 4 0 0 | 6 5 0 | 7 0 0 | 4 14 0 | 5 0 0 | 5 14 0 | 2 14 0 | 3 15 0 | 4 14 0 | 4 2 0 | 4 2 0 | 4 13 0 |
| 7 | Cuttack . | 4 11 0 | 4 11 3 | 7 3 0 | 2 14 6 | 2 14 6 | 3 12 11 | 2 14 6 | 2 14 6 | 3 12 11 | 4 1 3 | 4 1 3 | 5 13 9 |
| 8 | Sambalpur ... | 5 0 0 | 5 0 0 | 5 12 0 | 2 5 6 | 2 8 0 | 3 10 0 | 2 4 0 | 2 5 9 | 3 8 0 | 4 5 0 | 4 1 6 | 5 7 0 |
| 9 | Ranchi ... | 4 0 0 | 4 4 0 | 6 12 0 | 2 14 0 | 3 0 0 | 4 4 0 | 2 10 0 | 2 12 0 | 4 0 0 | 4 11 0 | 4 11 0 | 5 12 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*) | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 2 8 0 | 3 0 0 | 4 4 0 | 4 4 0 | 5 12 0 | [illegible] | 6 12 0 | 5 8 0 | 5 4 0 | 5 4 0 | 6 8 0 |
| 2 | Burdwan ... | ... | .. | ... | 4 4 0 | 5 0 0 | 5 8 0 | ... | ... | ... | 4 14 0 | 5 0 0 | 7 8 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 0 0 | 5 4 0 | 5 4 0 | 5 4 0 | Black Mustard.<br>5 14 0<br>Rapeseed.<br>5 8 0 | 5 14 0<br>5 8 0 | 7 4 0<br>7 0 0 |
| 4 | Patna ... | 1 15 0 | 1 15 0 | 3 0 0 | 3 0 0 | 3 4 6 | 4 14 0 | 7 0 0 | 7 0 0 | 6 0 0 | 4 7 | 5 0 0 | 7 0 0 |
| 5 | Muzaffarpur ... | 1 14 6 | 1 14 6 | 3 1 3 | 3 13 0 | 4 0 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 2 0 0 | 1 15 0 | 3 2 0 | 4 0 0 | 3 15 0 | 5 5 0 | 5 10 0 | 5 10 0 | 5 10 0 | Mustard.<br>4 4 0<br>Rapeseed.<br>5 0 0 | 4 4 0<br>5 0 0 | 6 8 0<br>6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 0 9 | 3 6 2 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 4 9 0 | 4 11 0 | 6 10 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 7 0 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 4 0 | 5 4 0 | 5 5 0 to 8 0 0 | 6 12 0 | 5 12 0 | 8 0 0 | 4 8 0 to 5 4 0 | 5 0 0 | 8 0 0 |

*the undermentioned Marts of Bengal on the 30th November 1909.*

FORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Combu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return | Corresponding return of last year | Present return | Next preceding return | Corresponding return of last year. | Present return. | Next preceding return | Corresponding return of last year. | Present return | Next preceding return | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 2 12 0 | 2 8 0 | 3 12 0 | ... | ... | ... | 3 0 0 | ... | 3 13 0 | ... | | . | 3 8 0 | 3 4 0 | 4 12 0 | 1 |
| — | — | — | . | ... | | .. | — | .. | ... | ... | ... | 3 6 0 | 3 4 0 | 4 12 0 | 2 |
| ... | . | | . | ... | . | . | . | .. | . | ... | . | . | ... | 5 4 0 to 5 8 0 | 3 |
| 1 15 0 | 2 0 0 | 3 0 0 | ... | . | | ... | ... | .. | ... | ... | ... | 2 10 0 | 2 10 0 | 3 15 0 | 4 |
| 2 10 6 | 2 8 0 | 3 5 3 | — | . | — | . | — | ... | 1 12 3 | 1 12 3 | 3 10 0 | 2 13 9 | 3 1 3 | 5 0 0 | 5 |
| 2 14 0 | 2 14 0 | 3 3 0 | ... | | . | ... | . | . | — | . | ... | 2 10 0 | 2 13 0 | 4 7 0 | 6 |
| — | — | . | ... | . | | . | . | — | ... | ... | ... | 3 0 9 | 3 0 9 | 4 3 4 | 7 |
| ... | ... | ... | | — | . | — | — | — | ... | ... | ... | 2 10 6 to 3 1 3 | 2 10 6 | 5 7 0 | 8 |
| 4 0 0 | 3 5 0 | 5 0 0 | .. | ... | ... | ... | ... | ... | ... | .. | ... | 3 8 0 | 3 10 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 4 0 | 5 0 0 | 6 0 0 | 6 12 0 | 7 [illegible] 0 | 5 8 0 | 22 0 0 | 22 0 0 | 18 0 0 | 6 0 0 | 6 4 0 | 6 0 0 | 1 |
| .. | ... | ... | 7 0 0 | 8 0 0 | 6 4 0 | ... | ... | ... | ... | . | — | 2 |
| ... | ... | ... | 8 4 0 | 8 4 0 | 7 0 0 | 24 0 0 | 24 0 0 | ... | .. | — | ... | 3 |
| 5 0 0 | 5 0 0 | 6 0 0 | 4 8 0 | 4 8 0 | 4 12 0 to 5 4 0 | 25 8 0 | 25 8 0 | 18 0 0 | ... | ... | ... | 4 |
| ... | ... | ... | 4 0 0 | 5 0 0 | 4 7 0 | — | ... | ... | ... | ... | ... | 5 |
| ... | — | .. | 5 8 0 | 5 8 0 | 4 8 0 | 23 0 0 | 23 0 0 | 20 0 0 | ... | — | ... | 6 |
| 7 9 10 | 7 9 10 | 6 8 0 | 7 9 10 | 7 9 10 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | .. | ... | 7 |
| 4 4 0 | 4 0 0 | 5 0 0 | 6 8 0 | 6 10 0 | 6 8 0 | ... | ... | ... | 4 4 0 | ... | 5 0 0 | 8 |
| ... | ... | ... | 5 4 0 | 5 12 0 | 6 0 0 | 22 8 0 | 23 0 0 | 23 0 0 | ... | ... | ... | 9 |

[*Continued overlea*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Next preceding return. | Corresponding return of last year. | Tobacco leaf. Present return. | Next preceding return. | Corresponding return of last year. | Hides (cow). Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta ... | 43 0 0 | 42 0 0 | 41 0 0 | 8 4 0 | 8 4 0 | 8 4 0 | 390 0 0 | 390 0 0 | 400 0 0 |
| 2 | Burdwan ... | 38 0 0 | 38 0 0 | 37 0 0 | ... | ... | ... | ... | ... | ... |
| | | | | | Madhukhali. | | | Uncleaned per piece. | | |
| 3 | Midnapore ... | 37 0 0 to 42 0 0 | 37 0 0 to 42 0 0 | 37 0 0 to 41 0 0 | 14 0 0 | 14 8 0 | 13 0 0 | 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| | | | | | Pulta. | | | Cleaned per piece. | | |
| | | | | | 15 8 0 | 15 0 0 | 15 0 0 | 3 8 0 to 4 4 0 | 3 8 0 to 4 4 0 | 3 4 0 to 4 0 0 |
| 4 | Patna ... | 32 0 0 to 35 0 0 | 34 0 0 to 37 0 0 | 31 0 0 to 33 0 0 | 4 0 0 to 6 0 0 | 4 0 0 to 6 0 0 | 2 0 0 to 4 0 0 | ... | ... | ... |
| 5 | Muzaffarpur ... | 35 9 0 | 40 0 0 | 32 0 0 | 20 0 0 | 16 0 0 | 16 0 0 | . | ... | — |
| 6 | Bhagalpur ... | 35 0 0 | 35 0 0 | 34 0 0 | 9 0 0 | 13 0 0 | 0 0 0 | .. | .. | ... |
| 7 | Cuttack ... | 45 8 6 | 45 11 6 | 47 9 0 | 8 4 0 | 6 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 0 0 | 37 0 0 | 36 4 0 to 37 8 0 | 22 0 0 | 22 0 0 | 16 0 0 | 42 0 0 | 42 0 0 | 35 0 0 |
| | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi .. | 35 8 0 | 35 8 0 | 35 0 0 | 13 0 0 | 13 0 0 | 8 0 0 to 13 0 0 | 0 8 0 | 0 8 0 | 2 8 0 to 3 8 0 |

| Number. | Marts. | Price per maund of forty standard seers. Firewood. Present return. | Next preceding return. | Corresponding return of last year. | Salt. Present return. | Next preceding return. | Corresponding return of last year. | Bhoosa. Present return. | Next preceding return. | Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | Panga. | | | | |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 9 0 | 1 8 0 | 1 8 0 | 1 15 0 | 2 0 0 | 1 14 0 | 2 2 0 |
| | | | | | | Panga. | | | | |
| 2 | Burdwan ... | 0 8 0 | 0 9 0 | 0 8 0 | 1 10 6 | 1 10 6 | 1 12 0 | ... | ... | ... |
| | | | | | | Crushed. | | | | |
| 3 | Midnapore ... | 0 6 0 | 0 6 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 12 0 | .. | ... | ... |
| | | | | | | Panga. | | | | |
| 4 | Patna ... | 0 6 6 | 0 6 6 | 0 6 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 3 0 | 1 4 0 | 1 2 0 |
| | | | | | | Panga. | | | | |
| 5 | Muzaffarpur ... | 0 4 6 | 0 4 6 | 0 5 3 | 1 14 6 | 1 14 6 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur ... | 0 5 6 | 0 5 10 | 0 6 6 | 1 14 0 | 1 13 0 | 1 14 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| | | | | | | Karkatch. | | | | |
| 7 | Cuttack . | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... |
| | | | | | | Karkatch. | | | | |
| 8 | Sambalpur .. | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... |
| | | | | | | Panga. | | | | |
| 9 | Ranchi ... | 0 6 0 | 0 5 0 | 0 5 3 | 2 4 0 | 2 4 0 | 2 4 0 | 0 0 | 2 0 0 | 2 8 0 |

CALCUTTA,
*The 6th December 1909.*

*the undermentioned Marts of Bengal on the 30th November 1909*—concld.

| Grass. | | | Straw. | | | Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 12 0 | 0 14 0 | 0 14 0 | 0 14 0 | 6 0 0 | 6 0 0 | 6 4 0 | Calcutta ... | 1 |
| ... | ... | ... | 0 5 0 | 0 7 0 | 0 6 0 | ... | ... | ... | Burdwan ... | 2 |
| ... | ... | ... | 0 6 0 | 0 5 0 | 0 5 0 | 4 0 0 | 4 0 0 | 2 8 0 to 3 8 0 | Midnapore ... | 3 |
| ... | ... | ... | 1 0 0 | 1 0 0 | 0 12 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 4 0 to 5 0 0 | Patna ... | 4 |
| ... | ... | ... | ... | ... | ... | 3 0 0 | 8 0 0 | 8 0 0 | Muzaffarpur ... | 5 |
| ... | ... | ... | ... | ... | ... | 4 0 0 | 4 0 0 | 4 12 0 | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | Sambalpur ... | 8 |
| 0 7 0 | 0 7 0 | 0 5 0 | 0 10 0 | 0 11 0 | 0 10 0 | 5 0 0 | 5 0 0 | 5 12 0 | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 0 0 | 2 2 0 | 2 13 0 | 3 15 0 | 3 12 0 | 5 4 0 | 1 8 0 | Elephant brand. 1 8 0 | ... | Calcutta ... | 1 |
| 2 4 0 | 2 12 0 | 3 8 0 | ... | ... | ... | 1 6 9 | Elephant brand. 1 11 3 | ... | Burdwan ... | 2 |
| ... | ... | 0 6 0 | ... | ... | 4 14 0 | 1 5 6 | Cobra brand. 1 5 6 | ... | Midnapore .. | 3 |
| 2 4 0 | 2 4 0 | 1 11 0 | ... | ... | ... | 1 6 0 | Victoria brand. 1 6 0 | ... | Patna .. | 4 |
| 2 8 0 | 2 0 0 | 2 13 9 | 3 10 0 | 3 5 3 | 4 7 0 | 1 5 9 | Victoria brand. 1 6 0 | ... | Muzaffarpur ... | 5 |
| 1 4 0 | 1 4 0 | 2 0 0 | 3 0 0 | 3 2 0 | 4 0 0 | 1 4 9<br>3 1 0 | Swan brand. 1 4 9<br>Snowflake brand. 3 4 0 | ... | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | 0 10 0 | 3 12 11 | 3 12 11 | 5 1 1 | 1 7 6 | Victoria brand. 1 7 0 | ... | Cuttack .. | 7 |
| ... | ... | ... | .. | ... | ... | 1 [illegible] 0 | Victoria brand. 1 8 0 | ... | Sambalpur ... | 8 |
| 2 14 0 | 3 0 0 | 3 0 0 | 4 0 0 | 4 0 0 | 5 8 0 | 1 9 0 | Cobra brand. 1 8 6 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of September 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... | 29·665 | | |
| The average pressure of September from 44 years' registers ... | 29·685 | | |
| The highest pressure in the month ... ... .. | 29·865 | 4th | 10 |
| The lowest pressure in the month ... ... ... | 29·407 | 19th | 16 |
| The range of pressure ... ... . .. | 0·458 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | 153·1 | | |
| The maximum possible number of hours of sunshine ... | 367·0 | | |
| | | | |
| The mean temperature of the month ... . . | 83·1 | | |
| The average temperature of September from 20 years' registers ... | 82·5 | | |
| The highest temperature in the month ... . .. | 93·5 | 10th | |
| The lowest temperature in the month ... ... | 75·5 | 20th | |
| The range of temperature during the month ... ... | 18·0 | | |
| The mean daily range of temperature ... ... .. | 10·7 | | |
| The greatest range of temperature in one day ... . | 13·8 | 6th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 85 | | |
| The average humidity of September from 20 years' registers . | 86 | | |
| | Inches. | | |
| The mean vapour tension of the month . . | 0·949 | | |
| The average vapour tension of September from 20 years' registers | 0·943 | | |
| The mean cloud proportion of the month .. ... | 7·02 | | |
| The average cloud proportion of September from 32 years' registers ... ... ... ... ... | 7·08 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 9·29 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 9·80 | | |
| The average fall of September from 24 years' registers ... | 10·40 | | |
| The greatest fall in 24 hours . . .. | 2·50 | | |
| | Days. | | |
| The number of rainy days in the month ... | 12 | | |
| The average number of rainy days in September from 24 years' registers ... ... .. .. | 13 | | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... .. | 76·4 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... .. ... ... ... | 1·8 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... . | 3·2 | 7th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 97·1 | | |
| The greatest movement of the wind in one day ... ... | 21·0 | 21st | |
| The greatest movement of the wind in one hour ... ... | 16 | 21st | 9 to 10 A.M. |

The number of hours with winds from each of the eight points—

N. 63, N.E. 14, E. 40, S.E. 134, S. 122, S.W. 182, W. 97, N.W. 37, Calm 31.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
ALIPORE (CALCUTTA), *the 2nd December 1909.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of October 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... ... | 29·795 | | |
| The average pressure of October from 44 years' registers ... | 29·836 | | |
| The highest pressure in the month ... ... | 29·979 | 28th | 10 |
| The lowest pressure in the month ... ... ... | 29·436 | 17th | 16 |
| The range of pressure ... ... ... ... | 0·543 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | ? | | |
| The maximum possible number of hours of sunshine ... | 359·1 | | |
| | ⊖ | | |
| The mean temperature of the month ... ... ... | 80·7 | | |
| The average temperature of October from 20 years' registers ... | 80·0 | | |
| The highest temperature in the month ... ... | 91·7 | 6th and 7th | |
| The lowest temperature in the month ... ... ... | 65·8 | 24th | |
| The range of temperature during the month ... . | 25·9 | | |
| The mean daily range of temperature ... ... ... | 14·3 | | |
| The greatest range of temperature in one day ... ... | 20·7 | 24th | |
| | Per cent. | | |
| The mean humidity of the month ... ... ... | 79 | | |
| The average humidity of October from 20 years' registers ... | 81 | | |
| | Inches. | | |
| The mean vapour tension of the month ... ... | 0·822 | | |
| The average vapour tension of October from 20 years' registers... | 0·819 | | |
| The mean cloud proportion of the month ... ... | 3·85 | | |
| The average cloud proportion of October from 32 years' registers | 3·94 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 3·77 | | |
| The total rainfal indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 3·56 | | |
| The average fall of October from 24 years' registers ... | 3·87 | | |
| The greatest fall in 24 hours ... ... ... | 3·21 | 18th | |
| | Days. | | |
| The number of rainy days in the month ... ... | 4 | | |
| The average number of rainy days in October from 24 years' registers ... ... ... ... ... | 5 | | |
| | ⊖ | | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ... ... ... | 71·1 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ... ... ... | 3·1 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... ... | 8·2 | 26th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 85·6 | | |
| The greatest movement of the wind in one day ... ... | 515 | 18th | |
| The greatest movement of the wind in one hour ... ... | 34 | 17th | 8 to 9 P.M. |

The number of hours with winds from each of the 8 points :—

N. 178, N.E. 21, E. 73, S.E. 40, S. 12, S.W. 52, W. 118, N.W. 138, Calm 112.

E. P. HARRISON,
for *Director-General of Observatories.*

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
ALIPORE (CALCUTTA), *the 2nd December 1909.*

**Abstract of the Results of Meteorological Observations taken at the Alipore Observatory in the month of November 1909.**

| | Inches. | Date. | Hour. |
|---|---|---|---|
| The mean pressure of the month ... ... ... | 29·919 | | |
| The average pressure of November from 41 years' registers ... | 29·961 | | |
| The highest pressure in the month ... ... ... | 30·087 | 29th | 10 |
| The lowest pressure in the month ... ... ... | 29·778 | 5th | 16 |
| The range of pressure ... ... ... .. | 0·309 | | |
| | Hours. | | |
| The total number of hours of bright sunshine during the month | * | | |
| The maximum possible number of hours of sunshine ... | 330·8 | | |
| | ° | | |
| The mean temperature of the month ... ... ... | 74·5 | | |
| The average temperature of November from 20 years' registers | 72·4 | | |
| The highest temperature in the month ... ... .. | 89·9 | 2nd | |
| The lowest temperature in the month ... ... ... | 58·8 | 24th | |
| The range of temperature during the month ... ... | 31·1 | | |
| The mean daily range of temperature .. ... ... | 18·5 | | |
| The greatest range of temperature in one day ... ... | 22·4 | 19th | |
| | Per cent. | | |
| The mean humidity of the month ... ... | 71 | | |
| The average humidity of November from 20 years' registers ... | 73 | | |
| | Inches. | | |
| The mean vapour tension of the month ... ... | 0·608 | | |
| The average vapour tension of November from 20 years' registers | 0·584 | | |
| The mean cloud proportion of the month ... ... | 1·73 | | |
| The average cloud proportion of November from 32 years' registers ... ... ... .. | 2·26 | | |
| | Inches. | | |
| The total rainfall of the month ... ... ... | 0·20 | | |
| The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 8 feet above the ground) | 0·22 | | |
| The average fall of November from 21 years' registers ... | 0·62 | | |
| The greatest fall in 21 hours ... ... ... | 0·20 | 15th | |
| | Days. | | |
| The number of rainy days in the month ... ... | 1 | | |
| The average number of rainy days in November from [illegible] years' registers. | 1 | | |
| | ° | | |
| The mean temperature of the nocturnal radiation thermometer on woollen cloth. | 61·7 | | |
| The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground. | 4·1 | | |
| The greatest depression of the nocturnal radiation thermometer below the minimum air temperature. | 5·8 | 10th | |
| | Miles. | | |
| The mean movement of the wind per day ... ... | 73·2 | | |
| The greatest movement of the wind in one day ... ... | 126·0 | 11th | |
| The greatest movement of the wind in one hour ... ... | 13 | 29th | 11 to Noon. |

The number of hours with winds from each of the 8 points—

N. 418, N.E. 117, E. 25, S.E. 0, S. 0, S.W. 0, W. 24, N.W. 53, Calm 83.

* No instrument.

E. P. HARRISON,
for *Director-General of Observatories*

METEOROLOGICAL OFFICE, GOVT OF INDIA,
ALIPORE (CALCUTTA), *the 6th December 1909.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 28th November to 4th December 1909.**

| Month. | Date. | Number of hours of bright sunshine. | Mean pressure Barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb | Vapour tension. | Dew point | Humidity. | Wind. Prevailing direction. | Miles recorded | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | — | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Nov. | 28th | No instrument. | 29·974 | 68·7 | 80·1 | 19·1 | 61·0 | 64·2 | 0·542 | 61·2 | 78 | N and NNE ... | 59 | Nil | Partially cloudy, ⌓. |
| ,, | 29th | | 30·024 | 69·3 | 80·6 | 19·1 | 61·5 | 63·3 | ·503 | 59·1 | 73 | NNE and N ... | 108 | Nil | Clear, ⌓. |
| ,, | 30th | | 30·018 | 69·2 | 80·3 | 18·6 | 61·7 | 62·5 | ·478 | 57·7 | 68 | N and N by E ... | 117 | Nil | Chiefly clear, ⌓. |
| Dec. | 1st | | 30·010 | 70·5 | 81·9 | 19·6 | 62·3 | 62·9 | ·476 | 57·6 | 65 | N by E and NNW. | 125 | Nil | Partially cloudy, ⌓. |
| ,, | 2nd | | 29·983 | 71·6 | 83·0 | 18·9 | 64·1 | 65·2 | ·540 | 61·1 | 71 | N ... | 72 | Nil | Partially cloudy, c. |
| ,, | 3rd | | 29·957 | 72·3 | 80·5 | 13·4 | 67·1 | 67·5 | ·614 | 64·8 | 78 | N and NNE ... | 61 | Nil | Partially cloudy, ⌓. |
| ,, | 4th | | 29·910 | 71·1 | 75·4 | 6·6 | 68·8 | 66·5 | ·607 | 64·4 | 82 | NNE ... | 60 | Nil | Cloudy, o, d. |

| | |
|---|---|
| | Inches. |
| The mean pressure of the seven days ... ... ... ... | 29·982 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 30·010 |
| | Hours. |
| The total number of hours of bright sunshine ... ... ... | 9 |
| The maximum possible number of hours of sunshine ... ... ... | 75·8 |
| The mean temperature of the seven days ... ... ... ... | 70·4 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 70·7 |
| The extreme variation of temperature ... ... ... ... | 22·0 |
| The maximum temperature ... ... ... ... ... | 83·0 |
| | Miles. |
| The highest velocity of the wind in one hour ... ... ... | 13 |
| The mean relative humidity ... ... ... ... ... | 74 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| The total fall of rain from 28th November to 4th December 1909 ... ... | Nil |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·04 |
| The total fall from 1st January to 4th December 1909 ... ... ... | 71·57 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 65·19 |

The mean pressure, temperature, etc., are deduced from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

⌓, dew; o, overcast; d, drizzling rain.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 6th December 1909.*

E. P. HARRISON,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 20th November 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. (b) | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 483,060 | 4,84,134 0 0 | 6,240,978 0 | 10,16,213 0 0 | 35,137 0 0 | 15,53,484 0 0 | 159,172 | 181,381 | 340,553 |
| Or per mile of railway ... | ..... | 211 2 8 | ... | 443 4 0 | 15 5 2 | 669 11 10 | ..... | ..... | ..... |
| For previous 19½ weeks of half-year | 9,656,110 | 84,44,536 0 0 | 115,198,624 0 | 1,80,50,913 0 0 | 7,53,819 0 0 | 2,72,49,268 0 0 | 3,105,683 | 3,244,207 | 6,339,890 |
| Total for 20½ weeks ... | 10,149,170 | 89,28,670 0 0 | 121,439,602 0 | 1,90,67,126 0 0 | 7,88,956 0 0 | 2,87,84,752 0 0 | 3,264,855 | 3,415,588 | 6,680,443 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 472,208 | 4,52,380 11 5 | 6,617,220 30 | 10,99,650 13 9 | 56,686 2 11 | 16,08,717 12 1 | 165,528 | 206,733 | 372,261 |
| Per mile of railway corresponding week of previous year | ..... | 197 5 6 | ..... | 479 11 2 | 24 11 7 | 701 12 3 | .... | ..... | ..... |
| Total for corresponding 20½ weeks of previous year | 10,137,764 | 89,09,583 12 7 | 143,979,961 0 | 2,16,93,654 6 1 | 8,80,518 12 11 | 3,14,83,756 15 7 | 3,337,182 | 4,350,012 | 7,687,194 |

(a) The increase is due to greater movements of pilgrims.
(b) The decrease is chiefly in coal.

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rates. Rs. A. P. |
| *2,292·65 | For the month of July .. | 2,235,296 | 18,66,432 | 25,785,647 | 41,98,948 | 1,78,265 | 62,43,645 | 2,723 | 1,463,513 | 4 4 3 |
| *2,292·65 | ,, ,, of Aug. .. | 2,144,211 | 17,96,991 | 25,794,949 | 38,65,416 | 1,55,607 | 58,17,014 | 2,539 | 1,411,021 | 3 15 8 |
| 2,292·65 | First 4 days of Sept | 277,636 | 2,31,759 | 3,848,650 | 4,50,699 | 27,500 | 7,18,868 | 314 | 178,835 | 4 0 4 |
| 2,292·65 | Week ended 11th ,, ... | 468,257 | 3,89,830 | 5,718,019 | 8,66,172 | 48,000 | 13,04,002 | 569 | 324,052 | 4 0 5 |
| 2,292·65 | ,, ,, 18th ,, ... | 473,913 | 3,71,938 | 5,992,171 | 9,19,116 | 43,000 | 13,33,054 | 584 | 331,014 | 4 0 9 |
| 2,292·65 | ,, ,, 25th ,, ... | 491,488 | 4,03,085 | 5,615,641 | 9,04,241 | 41,224 | 13,47,581 | 588 | 321,933 | 4 3 0 |
| 2,292·65 | ,, ,, 2nd Oct. ... | 572,326 | 4,79,324 | 6,419,660 | 9,95,441 | 40,254 | 15,16,019 | 661 | 328,180 | 4 9 11 |
| 2,292·65 | ,, ,, 9th ,, ... | 520,887 | 5,28,744 | 6,272,625 | 10,43,143 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 519,546 | 5,17,781 | 6,786,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 341,565 | 4 14 11 |
| 2,292·65 | ,, ,, 23rd ,, ... | 508,626 | 4,76,674 | 5,644,690 | [illegible] | 35,137 | 14,3[illegible],175 | 634 | 308,707 | 4 4 0 |
| 2,292·65 | ,, ,, 30th ,, ... | 503,979 | 4,76,749 | 5,475,845 | [illegible] | 35,137 | 14,13,752 | 617 | 306,060 | 4 9 11 |
| 2,292·65 | ,, ,, 6th Nov. .. | 495,327 | 4,71,020 | 6,047,558 | 10,[illegible] | 35,137 | 15,31,931 | 668 | 333,635 | 4 9 5 |
| 2,292·65 | ,, ,, 13th ,, .. | 445,095 | 4,33,389 | 6,524,177 | 10,84,[illegible] | 35,137 | 15,53,209 | 678 | 351,849 | 4 6 8 |
| 2,292·65 | ,, ,, 20th ,, ... | 493,060 | 4,84,134 | 6,240,978 | 10,16,213 | 35,137 | 15,15,484 | 670 | 340,553 | 4 8 2 |
| | Totals up to date ... | 10,149,170 | 89,28,670 | 121,439,602 | 1,90,67,126 | 7,88,[illegible] | 2,87,84,752 | 615 | 6,680,443 | 4 4 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*—concld. *1908*

| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rates. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July .. | 2,351,552 | 19,51,778 | 31,267,118 | 46,57,933 | 1,80,144 | 67,89,855 | 2,962 | 1,687,503 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,05,317 | 32,917,766 | 46,48,813 | 1,[illegible],700 | 66,44,832 | 2,899 | 1,674,985 | 3 15 6 |
| 2,292·38 | First 5 days of Sept. . | 325,135 | 2,74,412 | 5,527,951 | 7,91,275 | 39,262 | 10,95,949 | 478 | 271,806 | 4 0 6 |
| 2,292·38 | Week ended 12th ,, .. | 530,581 | 4,24,069 | 6,917,122 | 9,99,094 | 39,054 | 14,62,127 | 634 | 375,639 | 3 14 3 |
| 2,292·38 | ,, ,, 19th ,, . | 486,167 | 4,36,699 | 6,999,083 | 10,12,368 | 50,3[illegible]4 | 15,00,021 | 654 | 364,784 | 4 1 10 |
| 2,292·38 | ,, ,, 26th ,, ... | 498,824 | 4,71,378 | 6,854,053 | 10,47,923 | 46,684 | 15,65,980 | 683 | 374,346 | 4 2 11 |
| 2,292·38 | ,, ,, 3rd Oct. ... | 505,208 | 4,75,802 | 6,583,018 | 10,04,768 | 46,015 | 15,26,685 | 666 | 367,523 | 4 2 6 |
| 2,292·38 | ,, ,, 10th ,, ... | 459,959 | 4,04,361 | 6,488,929 | 9,61,622 | 35,457 | 14,0[illegible],440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, ... | 428,469 | 4,08,844 | 7,469,685 | 11,03,703 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | ,, ,, 24th ,, ... | 422,132 | 3,97,844 | 6,498,069 | 10,04,422 | 48,134 | 15,19,101 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | ,, ,, 31st ,, ... | 423,877 | 4,02,103 | 6,165,599 | 10,32,975 | 41,418 | 14,75,495 | 644 | 366,939 | 4 0 4 |
| 2,292·38 | ,, ,, 7th Nov. ... | 530,635 | 4,96,375 | 6,975,157 | 10,80,350 | 37,114 | 16,13,839 | 704 | 359,857 | 4 7 9 |
| 2,292·38 | ,, ,, 14th ,, ... | 529,350 | 5,01,122 | 6,707,679 | 10,98,847 | 52,416 | 16,52,385 | 721 | 358,980 | 4 9 8 |
| 2,292·38 | ,, ,, 21st ,, .. | 472,208 | 4,52,381 | 6,617,221 | 10,99,651 | 56,686 | 16,08,[illegible]18 | 702 | 372,261 | 4 1 6 |
| | Totals up to date ... | 10,137,764 | 89,00,84 | 143,979,961 | 2,16,93,654 | 8,89,519 | 3,14,83,757 | 668 | 7,687,194 | 4 1 6 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 20th November 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 23,052 | 4,967 0 0 | 53,866 0 | 926 0 0 | 8 0 0 | 5,901 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway .. ... | ... | 223 10 3 | ... | 41 11 1 | 0 6 0 | 265 11 1 | .. | ... | ... |
| For previous 19½ weeks of half-year | 433,108 | 99,236 0 0 | 739,901 0 | 16,644 0 0 | 217 0 0 | 1,16,097 0 0 | 25,985 | 3,093 | 29,078 |
| Total for 20½ weeks ... | 456,160 | 1,04,203 0 0 | 739,767 0 | 17,570 0 0 | 225 0 0 | 1,21,998 0 0 | 27,322 | 3,252 | 30,574 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year .. ... ... | 21,125 | 4,499 0 7 | 25,939 10 | 1,099 5 0 | 1 3 3 | 5,599 8 10 | 1,338 | 160 | 1,498 |
| Per mile of railway corresponding week of previous year . ... | ... | 202 9 1 | ... | 49 7 11 | 0 0 11 | 252 1 11 | .. | ... | ... |
| Total for corresponding 20½ weeks of previous year .. ... ... | 477,448 | 1,08 491 4 4 | 825,451 10 | 13,739 3 0 | 137 1 3 | 1,22,367 8 7 | 27,871 | 3,338 | 31,209 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July . | 105,236 | 24,205 | 77,616 | 2,238 | 67 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| 22·21 | ,, ,, August ... | 80,939 | 18,519 | 286,123 | 4,509 | 34 | 24,083 | 1,019 | 6,622 | 3 7 9 |
| 22·21 | First 4 days of Sept. ... | 10,779 | 3,965 | 3,361 | 133 | 8 | 4,106 | 185 | 854 | 4 13 11 |
| 22·21 | Week ended 11th ,, ... | 22,810 | 4,838 | 30,365 | 761 | 14 | 5,613 | 253 | 1,496 | 3 12 0 |
| 22·21 | ,, ,, 18th ,, ... | 23,817 | 4,668 | 33,474 | 813 | 14 | 5,495 | 247 | 1,496 | 3 10 9 |
| 22·21 | ,, ,, 25th ,, ... | 18,128 | 3,777 | 10,374 | 405 | 14 | 4,196 | 189 | 1,496 | 2 12 11 |
| 22·21 | ,, ,, 2nd Oct. .. | 21,514 | 4,750 | 17,269 | 559 | 14 | 5,333 | 240 | 1,496 | 3 8 11 |
| 22·21 | ,, ,, 9th ,, ... | 23,434 | 6,261 | 18,554 | 9 | 14 | 6,074 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, ... | 22,630 | 4,501 | 24,353 | 931 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, ... | 22,877 | 4,932 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 14 0 |
| 22·21 | ,, ,, 30th ,, ... | 27,191 | 5,935 | 73,454 | 1,454 | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| 22·21 | ,, ,, 6th Nov. .. | 28,534 | 7,036 | 82,593 | 1,895 | 8 | 9,039 | 434 | 1,496 | 6 7 1 |
| 22·21 | ,, ,, 13th ,, ... | 25,159 | 5,319 | 64,803 | 1,782 | 8 | 6,809 | 307 | 1,496 | 4 8 10 |
| 22·21 | ,, ,, 20th ,, ... | 23,052 | 4,967 | 53,866 | 926 | 8 | 5,901 | 265 | 1,496 | 3 15 1 |
| | Totals up to date | 476,140 | 104,203 | [illegible] | 17,570 | 225 | 1,21,998 | 239 | 30,574 | 3 15 10 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July .. | 119,231 | 27,165 | 103,569 | 2,693 | 30 | 29,288 | 1,319 | 6,604 | 4 6 0 |
| 22·21 | ,, ,, August ... | 87,449 | 20,919 | 101,442 | 1,485 | 35 | 22,339 | 1,006 | 6,836 | 3 5 3 |
| 22·21 | First 5 days of Sept. ... | 14,283 | 3,468 | 34,493 | 394 | 4 | 3,866 | 174 | 1,199 | 3 3 7 |
| 22·21 | Week ended 12th ,, ... | 21,717 | 4,616 | 41,750 | 177 | 8 | 5,101 | 230 | 1,522 | 3 5 8 |
| 22·21 | ,, ,, 19th ,, ... | 19,895 | 4,015 | 153,288 | 1,114 | 4 | 5,133 | 231 | 1,496 | 3 6 11 |
| 22·21 | ,, ,, 26th ,, ... | 20,208 | 4,480 | 48,437 | 710 | 4 | 5,194 | 234 | 1,494 | 3 7 7 |
| 22·21 | ,, ,, 3rd Oct. ... | 25,612 | 6,334 | 13,065 | 602 | 5 | 6,941 | 313 | 1,494 | 4 19 4 |
| 22·21 | ,, ,, 10th ,, ... | 23,199 | 5,130 | 119,206 | 1,111 | 13 | 6,254 | 282 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, ... | 21,790 | 4,611 | 24,971 | 877 | 1 | 5,489 | 247 | 1,498 | 3 10 [illegible] |
| 22·21 | ,, ,, 24th ,, .. | 24,278 | 5,012 | 21,09[illegible] | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·22 | ,, ,, 31st ,, ... | 23,981 | 5,051 | 22,084 | 766 | 10 | 5,827 | 262 | 1,494 | 3 14 5 |
| 22·21 | ,, ,, 7th Nov. . | 28,483 | 7,152 | 98,155 | 912 | 9 | 8,093 | 364 | 1,494 | 5 6 8 |
| 22·21 | ,, ,, 14th ,, ... | 28,062 | 6,039 | 26,155 | 1,234 | 7 | 7,280 | 328 | 1,498 | 4 13 8 |
| 22·21 | ,, ,, 21st ,, ... | 21,125 | 4,499 | 25,939 | 1,100 | 1 | 5,600 | 252 | 1,498 | 3 11 10 |
| | Totals up to date ... | 477,448 | 108,491 | 825,491* | 13,740 | 137 | 1,22,368 | 268 | 31,209 | 3 14 0 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 20th November 1909, on 162·36 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... ... | 30,235 | 33,715 0 0 | 257,374 0 | 22,056 0 0 | 0 0 | 55,878 0 0 | 10,303 | 4,114 | 14,417 |
| Or per mile of railway ... ... | ..... | 207 10 6 | ..... | 135 13 6 | 0 10 7 | 344 2 7 | ... | ... | ... |
| For previous 19½ weeks of half-year | 544,216 | 4,73,287 0 0 | 3,762,701 0 | 3,02,919 0 0 | 2,382 0 0 | 7,78,488 0 0 | 197,845 | 62,6[illegible] | 260,483 |
| Total for 20½ weeks ... | 574,451 | 5,07,002 0 0 | 4,010,075 0 | 3,24,975 0 0 | 2,389 0 0 | 8,34,363 0 0 | 208,148 | 66,757 | 274,905 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 26,202 | 30,093 7 10 | 253,976 30 | 22,022 9 0 | 69 13 6 | 52,805 14 4 | 12,601 | 4,761 | 17,36[illegible] |
| Per mile of railway corresponding week of previous year. | ..... | 189 0 9 | ..... | 135 10 3 | 0 8 10 | 325 3 10 | ..... | ..... | ..... |
| Total for corresponding 20½ weeks of previous year | 538,221 | 4,44,988 2 3 | 4,918,518 2[illegible] | 3,51,193 6 5 | 2,082 8 3 | 7,97,204 0 11 | 246,785 | 90,908 | 337,693 |

*1909* — *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July . | 1 1,940 | 1,03,184 | 722,057 | 51,095 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| *162·36 | ,, ,, of Aug. ... | 126,[illegible]7 | 1,00,166 | 796,097 | 59,545 | 475 | 1,60,1 6 | 987 | 55,34[illegible] | 2 11 11 |
| 162·36 | First 4 days of Sept. .. | 14,737 | 11,159 | 82,431 | 5,858 | 68 | 17,085 | 105 | 7,436 | 2 4 6 |
| 162·36 | Week ended 11th ,, ... | 32,553 | 28,8[illegible]3 | 169,809 | 12,636 | 119 | 41,568 | 256 | 13,103 | 3 2 6 |
| 162·36 | ,, ,, 18th ,, ... | 25,663 | 22,115 | 134,563 | 11,881 | 119 | 34,115 | 210 | 13,143 | 2 9 6 |
| 162·36 | ,, ,, 25th ,, ... | 2[illegible],512 | 1[illegible],462 | 170,107 | 13,582 | 130 | 31,174 | 192 | 13,010 | 2 6 4 |
| 162·36 | ,, ,, 2nd Oct. ... | 26,3[illegible]4 | 21,954 | 205,839 | 18,949 | 130 | 40,133 | 247 | 13,390 | 3 0 0 |
| 162·36 | ,, ,, 9th ,, ... | 26,633 | 2[illegible],838 | 201,088 | 19,[illegible]44 | 130 | 42,212 | 260 | 13,816 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, . | 24,737 | 24,430 | 293,154 | 24,009 | 107 | 46,605 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | 25,095 | 29,530 | 2,50,290 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| 162·36 | ,, ,, 30th ,, ... | 27,673 | 28,902 | 2,14,523 | 19,737 | 107 | 48,736 | 300 | 14,163 | 3 7 7 |
| 162·36 | ,, ,, 6th Nov. ... | 3[illegible],[illegible]43 | 37,[illegible]60 | 2,75,294 | 22,575 | 107 | 59,742 | 368 | 13,838 | 4 5 1 |
| 162·36 | ,, ,, 13th ,, ... | 25,400 | 27,5[illegible]5 | 2,67,071 | 23,151 | 107 | 50,703 | 313 | 14,627 | 3 7 6 |
| 162·36 | ,, ,, 20th ,, ... | 30,235 | 33,715 | 2,57,374 | 22,056 | 107 | 55,878 | 344 | 14,417 | 3 14 0 |
| | Totals up to date ... | 574,451 | 5,07,002 | 4,010,075 | 3,24,975 | 2,389 | 8,34,363 | 252 | 274,905 | 3 0 7 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* — *1908.*

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July .. | 133,760 | 94,528 | 990,056 | 63,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | ,, ,, of Aug. .. | 126,697 | 91,3[illegible]5 | 888,358 | 64,140 | 164 | 1,55,6[illegible] | 960 | 70,852 | 2 3 2 |
| 162·36 | First 4 days of Sept. ... | 19,930 | 15,4[illegible]1 | 112,121 | 8,862 | 41 | 24,354 | 150 | 11,513 | 2 1 10 |
| 162·36 | Week ended 12th ,, ... | 2[illegible],701 | 1[illegible],222 | 194,727 | 14,928 | 29 | 34,179 | 211 | 15,918 | 2 2 4 |
| 162·36 | ,, ,, 19th ,, ... | 20,571 | 1[illegible],850 | 236,042 | 15,188 | 30 | 33,098 | 204 | 16,435 | 2 0 3 |
| 162·36 | ,, ,, 26th ,, ... | 20,[illegible]10 | 17,423 | 239,830 | 16,250 | 73 | 33,746 | 208 | 15,947 | 2 1 10 |
| 162·36 | ,, ,, 3rd Oct. .. | 2[illegible],945 | 22,376 | 2[illegible]6,788 | 18,344 | 61 | 40,781 | 251 | 16,842 | 2 6 9 |
| 162·36 | ,, ,, 10th ,, .. | 2[illegible],838 | 18,731 | 316,904 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 2[illegible],[illegible]3 | 21,500 | 302,372 | 19,748 | 76 | 41,324 | 255 | 17,289 | 2 6 3 |
| 162·36 | ,, ,, 24th ,, ... | 21,514 | 2[illegible],588 | 242,642 | 18,050 | 40 | 40,678 | 251 | 16,998 | 2 7 8 |
| 162·36 | ,, ,, 31st ,, ... | 22,[illegible]36 | 2[illegible],23 | 328,527 | 23,101 | 52 | 43,776 | 270 | 16,973 | 2 9 0 |
| 162·36 | ,, ,, 7th Nov. ... | 26,995 | 2[illegible],811 | 2[illegible],328 | 22,803 | 55 | 48,671 | 300 | 16,781 | 2 14 5 |
| 162·36 | ,, ,, 14th ,, ... | 2[illegible],109 | 26,652 | 265,897 | 23,040 | 75 | 46,773 | 288 | 17,252 | 2 11 4 |
| 162·36 | ,, ,, 21st ,, ... | 26,202 | 3[illegible],0[illegible]3 | 2,53,977 | 22,023 | 90 | 52,1[illegible]6 | 323 | 17,362 | 3 0 8 |
| | Totals up to date ... | 538,221 | 4,44,988 | 4,918,5[illegible]9 | 3,51,1[illegible]4 | 1,[illegible]23 | 7,97,204 | 230 | 337,693 | 2 5 9 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of Traffic for the week ended 20th November 1909 on 768 miles open for all descriptions of traffic, and on additional 8 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 70,500 | 45,500 0 0 | 255,000 0 | 51,000 0 0 | 5,500 0 0 | 1,02,000 0 0 | 14,476 | 16,417 | 30,893 |
| Or per mile of railway ... | 91·80 | 59·24 | 343·71 | 66·15 | 7·13 | 132·52 | 18·85 | 21·29 | 40·14 |
| For previous 20 weeks of half-year ... ... ... ... | 1,092,147 | 6,75,578 0 0 | 6,466,220 0 | 10,54,305 0 0 | 1,06,412 0 0 | 18,36,295 0 0 | 271,188 | 403,407 | 674,595 |
| Total for 21 weeks ... | 1,162,647 | 7,21,078 0 0 | 6,721,220 0 | 11,05,305 0 0 | 1,11,912 0 0 | 19,38,295 0 0 | 285,664 | 419,824 | 705,488 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 64,094 | 37,924 0 0 | 370,113 0 | 52,032 0 0 | 6,449 0 0 | 96,455 0 0 | 13,532 | 18,636 | 32,168 |
| Per mile of railway corresponding week of previous year ... | 83·46 | 49·38 | 480·04 | 67·55 | 8·36 | 125·29 | 17·61 | 24·27 | 41·78 |
| Total to corresponding date of previous year ... ... ... | 1,133,542 | 6,78,420 0 0 | 6,714,905 0 | 10,51,370 0 0 | 1,16,170 0 0 | 18,45,960 0 0 | 304,731 | 420,617 | 725,348 |

**Financial Year.**—*Approximate Statement of Gross Receipts of the Assam-Bengal Railway.*

| Receipts for week ending 20th November 1909. | | | Receipts for week ending 21st November 1908. | | | Total receipts from 1st April 1909 to 20th November 1909. | | | Total receipts from 1st April 1908 to 21st November 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Receipts. | Per mile worked. | Mean mileage worked. | Total receipts. | Per mile worked per week. | Mean mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs. | Rs. | | Rs. | Rs. | | Rs. | | | Rs. | | | Rs. |
| 771 | 1,02,000 | 132·52 | 771 | 96,455 | 125·29 | 771 | 30,82,260 | ... | 771 | 29,47,979 | ... | 1,34,281 | .. ... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 20th November 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 319,780 | 1,29,942 (a) | 829,730 | 1,11,060 (b) | 17,950 (c) | 2,58,950 | 59,372 | 30,222 (d) | 89,594 |
| Or per mile of railway ... | 171·28 | 69·60 | 444·42 | 59·49 | 9·61 | 138·70 | ..... | ..... | ..... |
| For previous 19¾ weeks of half-year (e) ... ... | 5,900,451 | 21,58,886 | 15,754,463 | 17,70,578 | 3,54,274 | 42,84,038 | 1,090,477 | 715,384 | 1,805,861 |
| Total for 20¾ weeks ... | 6,220,231 | 23,88,828 | 16,584,199 | 18,81,638 | 3,72,224 | 45,42,988 | 1,149,849 | 745,606 | 1,895,455 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... | 325,318 | 1,55,284 | 1,056,211 | 1,66,818 | 21,492 | 3,43,394 | 60,452 | 48,245 (f) | 108,697 |
| Per mile of corresponding week of previous year ... ... .. | 181·64 | 86·70 | 613·18 | 93·08 | 12·00 | 191·78 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... ... ... | 6,528,706 | 26,23,787 | 18,298,239 | 22,70,862 | 4,48,049 | 53,42,698 | 1,238,838 | 822,601 | 2,061,439 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week .. | | 2·19 | | 3·07 | ·20 | 2·29 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 2·57 | | 3·45 | ·20 | 3·16 | | | |

(a) Short lead traffic.
(b) General decrease.
(c) Decrease principally under steam-boats.
(d) Includes 3,153 miles of ballast trains.
(e) Includes audited figures up to 2 September 1909.
(f) Includes 4,642 miles of ballast trains.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. | A. | P. | Rs. | A. | P. |
|---|---|---|---|---|---|---|---|
| Approximate earnings for the week ending 27th November 1909... | Coaching ... | 12,640 | 0 | 0 | 24,484 | 0 | 0 |
| | Goods ... | 11,614 | 0 | 0 | | | |
| | Other earnings ... | 230 | 0 | 0 | | | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 8,940 | 0 | 0 | 18,660 | 0 | 0 |
| | Goods ... | 9,363 | 0 | 0 | | | |
| | Other earnings ... | 357 | 0 | 0 | | | |
| | Increase ... | | | | 5,824 | 0 | 0 |
| Receipts per mile for the week ending 27th November 1909 ... | ... ... ... | | | | 480 | 1 | 3 |
| " Ditto for the corresponding period of 1908 ... | ... ... ... | | | | 365 | 14 | 1 |
| | Increase ... | | | | 114 | 3 | 2 |
| Receipts from the 1st July to 27th November 1909 ... | ... ... ... | | | | 4,24,027 | 0 | 0 |
| Ditto for the corresponding period of 1908 ... | ... ... ... | | | | 3,94,408 | 0 | 0 |
| | Increase ... | | | | 26,619 | 0 | 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 8th December 1909.

REGISTERED No. C 209.]

No. 50 of 1909.

# SUPPLEMENT TO
# The Calcutta Gazette.

WEDNESDAY, DECEMBER 15, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Resolution on the Report of the Department of Agriculture, Bengal, for the year ending the 30th June 1909 ... ... ... ... ... ... ... ... | 1875—1877 |
| Monthly Weather and Crop Report of Bengal for November 1909 ... ... ... ... ... ... | 1878—1879 |
| Weather and Crop Report for the week ending the 13th December 1909 ... ... ... ... ... | 1880—1884 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 11th December 1909 ... ... ... ... ... ... | 1885 |
| Table of Rainfall recorded at stations in Bengal in November 1909 ... ... ... ... ... ... | 1886—1893 |
| District Rainfall Table of the Presince of Bengal for November 1909 ... ... ... ... ... ... | 1894—1895 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th December 1909 ... ... ... ... ... ... ... | 1896 |
| Railway Returns ... ... ... ... ... ... | 1897—1905 |

## RESOLUTION ON THE REPORT OF THE DEPARTMENT OF AGRICULTURE, BENGAL, FOR THE YEAR ENDING THE 30TH JUNE 1909.

REVENUE DEPARTMENT—AGRICULTURE.

*Calcutta, the 12th December 1909.*

RESOLUTION—No. 3956Agri.

READ—

The Report of the Department of Agriculture, Bengal, for the year ending the 30th June 1909.

Mr. W. R. Gourlay, I.C.S., was in charge of the Department throughout the year. The only change in the *personnel* of the expert officers stationed at Bhagalpur consisted in the transfer of the Principal, Mr. Corbin, to the Punjab, his place being taken by Mr. A. C. Dobbs.

2. *Organization.*—The question of the organization of the Provincial Agricultural Service is still under consideration. The present staff of Provincial Officers consists of 4 assistants who are being trained for employment as teachers at the Provincial Agricultural College, 2 travelling inspectors, 7 superintendents or overseers in charge of agricultural stations, 6 inspectors of agriculture, 1 assistant mycologist and 1 assistant entomologist. Three students returned from America in 1907-08 after receiving

agricultural training at the Cornell University, and were appointed as assistants in the department; and of the two who returned during 1908-09 one entered the department as a probationer.

3. *Agricultural Stations.*—Six agricultural stations at Dumraon, Bankipore, Sabaur, Chinsura, Burdwan and Cuttack were at work during the year. Steps were taken to start two more stations at Kharagpur in Midnapore to represent the laterite area, and at Ranchi to represent the Chota Nagpur plateau; but the projects have been kept in abeyance for want of money. The experimental work at Fraserganj was stopped owing to the difficulty of supervision; and the two small jute seed farms maintained at Berhampore and Purnea were closed as the work can be done equally well at the Chinsura and Burdwan stations.

4. *Scientific Experiments.*—The experimental cultivation of various kinds of crops, including jute, cotton, flax, sugarcane, potato and rice was carried on at various places in the Province with diverse results. Experiments with jute conducted at the Burdwan station on the lines laid down by the Inspector-General of Agriculture were attended with successful results and proved conclusively that, with due care in cultivation and retting, the Burdwan cultivators could produce from the Narayanganj seed as good fibre as is to be found in Eastern Bengal. The cultivation in Bihar by indigo planters has been discontinued.

The experiments with cotton had unsatisfactory results. The flax cultivation at Dhooria in Muzaffarpur was financially very successful. The Agricultural Chemist conducted a series of experiments to test the sugar-yielding properties of the different varieties of sugarcane, but no definite conclusions have yet been reached.

5. *Sericulture.*—The work of the silk-rearing establishment made satisfactory progress during the year. The old silk committee, consisting of non-official members, was abolished and was replaced by a new one with four silk experts as members and the Director of Agriculture as president. Under the supervision of this new committee a mulberry farm with a central seed-rearing nursery was started at Berhampore. The 9 model nurseries belonging to the old silk committee have been brought under government management, and 5 new ones are under construction, of which 3 are in Berhampore, 1 in Birbhum and 1 in Midnapore. They are intended to supply healthy seed to the rearers of silk-worms. The total value of the seed sold was Rs. 5,874. Experiments made with Japanese and Italian mulberry seed gave encouraging results.

6. *Agricultural Education.*—Little advance was made during the year in the promotion of agricultural education in the province. Unexpected delay in the commencement of the Agricultural College buildings at Sabaur will prevent the opening of the classes before November 1910. Meanwhile, the agricultural classes at the Sibpur Engineering College have been abolished, but an attempt to secure some continuity in training has been made by the grant of scholarships at institutions in other provinces. The students attending the agricultural classes attached to the several zilla schools and the collegiate school at Cuttack generally took little real interest in their work, the only exception being at Gaya, where agricultural instruction has been made a part of the general routine. The deputation of more students to America to study agriculture was discontinued during the year, partly because the supply of such trained men was likely to exceed the immediate requirements of the department and also because it seemed doubtful whether training under American conditions was altogether suitable for this country.

Mr. A. C. Sen, retired District and Sessions Judge, who was trained at the Cirencester College in England, has kept up his interest in agriculture, and has both held classes for cultivators and delivered popular lectures on the subject. Voluntary services to the cause of agriculture of this character are specially valuable, and deserve the fullest recognition from the community.

7. *Agricultural Associations, Fairs and Exhibitions.*—The great interest taken in the agricultural development of the province by many members of the Provincial, Divisional and District Agricultural Associations, and the services rendered by them to the Agricultural Department are a source of gratification

to the Lieutenant-Governor, to whom the work of Mr. Sarada Charan Mitter, late a Judge of the Calcutta High Court, Rai Lalit Mohan Singh Ray Bahadur of Chakdighi, and Babu Purnendu Narayan Singh, Secretary, Patna Association, has been specially reported. Mr. A. N. Moberly, I.C.S., has done much in his capacity of Chairman of the Sambalpur District Association for the benefit of agriculture in that district.

The agricultural fairs and shows held during the year, of which a brief account is given in Appendix II to the report, received grants-in-aid from Government aggregating Rs. 6,522. They appear to be continuing to serve a very useful purpose.

8. *Irrigation.*—The well-boring operations which have been undertaken in this province on the recommendation of the Indian Irrigation Commission have made little progress during the year, partly in consequence of the want of practical experience on the part of the superintendent and partly because of the difficulty of close supervision over his work. He will for the future conduct his experiments under the supervision of the Principal of the Agricultural College at Sabaur. A large number of artesian wells were bored during the year in Muzaffarpur by the District Board in connection with the scarcity of water that prevailed there and were to a considerable extent successful.

9. *Publication of agricultural information.*—Besides the quarterly Journal of Agriculture which was started during the previous year, the department published and circulated leaflets and notes containing information in connection with agriculture. Large quantities of seeds of various crops, manures, and agricultural implements were issued from the government central seed store, which was removed during the year to the site of the Agricultural School Farm at Sibpur.

10. *Indigo Research.*—The indigo research operations at Sirsiah were continued with the aid of the Government subsidy of Rs. 50,000. For the next five years Government will contribute Rs. 32,500 a year on condition that the Bihar Planters' Association subscribe Rs. 10,000 annually to the cost of the research work. The Association have obtained for that period the services of Mr. C. J. Bergtheil, who has resigned his post as Imperial Bacteriologist in the Pusa Agricultural College and Research Institute in order to carry out and complete his researches.

11. *Conclusion.*—The thanks of the Lieutenant-Governor are due to Mr. W. R. Gourlay, I.C.S., Director of Agriculture, Bengal, for his administration of the department during the year. His Honour also notices with satisfaction the appreciation by the Director of Agriculture of the assistance rendered by the several officers mentioned in paragraph 67 of his report.

ORDER.—Ordered that the resolution be published in the *Calcutta Gazette*, and that a copy of it, with a copy of the report, be submitted to the Government of India.

By order of the Lieutenant-Governor of Bengal,

F. W. DUKE,

*Chief Secy. to the Govt. of Bengal.*

## MONTHLY WEATHER AND CROP REPORT OF BENGAL FOR NOVEMBER 1909.

*Character of the Season.*—There were light showers in South-West Bengal, and practically no rain in the rest of the Province. The usual rainfall table is appended.

II. *Progress of Agricultural operations.*—Sowing of *rabi* crops continued during the month. It was very nearly completed in most districts. Harvesting of winter rice was in progress. Pressing of sugarcane continued in parts of Bihar and Orissa.

III. *State of Standing crops.*—The winter rice crop is ripening in some places, and has already been harvested in many districts. In the early part of the month some moisture was wanted for high land crops in Bankura, Shahabad and Bhagalpur. Early sown *rabi* crops are doing well.

IV. *Prospects and Probable Outturn of Harvests.*—Prospects of *aman* paddy are very hopeful. It is estimated that about an average crop will be harvested this year. Good harvests of autumn crops have been obtained in many districts.

V. *Damage to Crops.*—No serious damage to crops has been reported. Some injury was done by insects to early sown *rabi* crops in Patna.

VI. *Condition of Agricultural stock.*—The condition of cattle continued fair during the month. Cases of disease were reported from all the districts excepting Burdwan, Bankura, the 24-Parganas, Murshidabad, Khulna, Darjeeling and Singhbhum.

VII. *Failure of Pasturage and Fodder.*—The supply of fodder and water was sufficient throughout the month.

VIII. *Prices of Food-grains.*—During the second fortnight of the month, the price of common rice fell in 21 and rose in 3 districts. Prices are falling owing to good harvests.

IX. *Condition of Labouring classes and Agricultural people.*—Agriculturists are in good condition. Prospects of autumn and *aman* crops are good.

CALCUTTA,
*The 14th December 1909.*

N. N. BANERJEE,
for *Offg. Director of Agriculture, Bengal, on tour.*

*Statement showing the normal and actual Rainfall in each district during November 1909.*

| Division. | District. | Normal district rainfall for the month of November. | Actual district rainfall for the month of November. | Variation from the normal. |
|---|---|---|---|---|
| | | Inches. | Inches. | Inches. |
| South-West Bengal. | Burdwan ... | 0·63 | 0·01 | —0·62 |
| | Birbhum ... | 0·41 | 0·02 | —0·39 |
| | Bankura ... | 0·54 | 0·04 | —0·50 |
| | Midnapore ... | 0·64 | 0·15 | —0·49 |
| | Hooghly ... | 0·59 | 0·02 | —0·57 |
| | Howrah .. | 0·51 | 0·21 | —0·30 |
| | 24-Parganas ... | 0·82 | 0·14 | —0·68 |
| | Calcutta ... | 0·62 | 0·20 | —0·42 |
| | Nadia ... | 0·74 | 0·33 | —0·41 |
| | Murshidabad ... | 0·49 | Nil | —0·49 |
| | Jessore ... | 0·88 | 0·06 | —0·82 |
| | Khulna ... | 0·93 | 0·05 | —0·88 |
| Bihar ... | Patna ... | 0·19 | Nil | —0·19 |
| | Gaya ... | 0·20 | Nil | —0·20 |
| | Shahabad ... | 0·35 | Nil | —0·35 |
| | Saran ... | 0·18 | Nil | —0·18 |
| | Champaran ... | 0·11 | Nil | —0·11 |
| | Muzaffarpur ... | 0·11 | Nil | —0·11 |
| | Darbhanga ... | 0·11 | Nil | —0·11 |
| | Monghyr ... | 0 09 | Nil | —0·09 |
| | Bhagalpur ... | 0·07 | Nil | —0·07 |
| | Darjeeling ... | 0·31 | 0·09 | —0·22 |
| | Purnea ... | 0·07 | Nil | —0·07 |
| | Sonthal Parganas | 0·28 | Nil | —0·28 |
| Orissa ... | Cuttack ... | 1·67 | Nil | —1·67 |
| | Balasore .. | 1·21 | 0 07 | —1·14 |
| | Angul ... | 1·09 | Nil | —1·09 |
| | Puri ... | 2·30 | 0·07 | —2·23 |
| | Sambalpur ... | 0·42 | Nil | —0·42 |
| Chota Nagpur | Hazaribagh ... | 0·31 | Nil | —0·31 |
| | Ranchi ... | 0·38 | Nil | —0·38 |
| | Palamau ... | 0·29 | Nil | —0·29 |
| | Manbhum .. | 0·31 | Nil | —0·31 |
| | Singhbhum ... | 0·42 | Nil | —0·42 |

## WEATHER AND CROP REPORT.

*For the week ending the 13th December 1909*

| No | Name of district | Rainfall at Radar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 1 | BURDWAN ... | Nil | 13 | 11½ | Prospects of *rabi* crops good. Harvesting of *aman* paddy going on. No cattle-disease. Food-grains, fodder and drinking-water sufficient. Prices falling. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Rainfall at Rampur Hât *nil*. Harvesting of winter paddy continuing. Standing crops doing well. No cattle-disease. Food-grains, fodder and water sufficient. |
| 3 | BANKURA ... | Nil | 13 | 13 | Rainfall at Vishnupur 0·62 inch. Weather seasonable. Harvesting of paddy going on. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock fair. |
| 4 | MIDNAPORE .. | Nil | 10 | 10 | Rainfall at Contai 1·60 and at Tamluk 0·70 inches. Weather seasonable. Sowing of summer rice going on except at Contai. Prospects of early cotton good in the Tamluk subdivision and that of sugar-cane fair. No cattle-disease. Fodder and water sufficient. Common rice selling at 12½ and 9 seers per rupee at Contai and Tamluk, respectively. Report from Ghatal not received. |
| 5 | HOOGHLY ... | Nil | 11 | 9¼ | Weather cold. Price of food-grains showing a downward tendency. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Sowing of *rabi* crops continuing. Harvesting of winter paddy going on. No cattle-disease. Fodder and water sufficient. |
| 6 | HOWRAH ... | Nil | 9½ | 9½ | Weather seasonable. Harvesting of winter rice going on. Not much damage to crops by the recent rain. Sowings of *boro* seedlings and *rabi* crops in progress. Stocks of food-grains, fodder and water sufficient. Common rice selling at 9½ to 10½ seers a rupee at Ulubaria. |
| 7 | 24-PARGANAS | Nil | 8½ | 8½ | Weather seasonable. Prospects good. Common rice selling at 8 seers per rupee at Barasat, at 9¼ seers at Barrackpore, at 10⅞ seers at Basirhat and at 10⅝ seers at Diamond Harbour. |
| 8 | NADIA ... | Nil | 11 15/16 | 11 15/16 | Rainfall at Kushtia 0·46, at Ranaghat 0·51, at Chuadanga 0·64 and at Meherpur 0·39 inch. Rainfall generally beneficial to *rabi* crops. Prospects of standing crops good. Harvesting of winter rice, *kalai* and *mung* continuing. Prices stationary. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Damukdia thana. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | 0·14 | 13 | 13½ | Weather slightly rainy. Condition of standing crops satisfactory. Harvesting of *aman* paddy continuing. Sowing of *rabi* crops almost finished. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock good. Stocks of food-grains sufficient. |
| 10 | JESSORE ... | Nil | 12¼ | 11⅞ | Rainfall at Magura 0·54, Narail 0·87 and at Bangaon 0·86 inch. Weather seasonable. Rainfall not general. Harvesting of winter rice and sowing of *rabi* crops still going on. Prospects fair. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from Kotechandpur in the Jhenida subdivision. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 11 | 9½ | Rainfall at Bagerhat 0·69 and at Satkhira 0·85 inch. Weather seasonable. Prospects of standing crops good. |
| 12 | PATNA ... | Nil | 12¾<br>23* | 12½<br>22* | Weather seasonable. Rain wanted for *rabi* crops. Harvesting of paddy and pressing of sugarcane going on. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Paligong, Nawbatpur and Asthwan. |
| 13 | GAYA ... | Nil | 13 5/16<br>22 6/16* | 13 5/16<br>21½* | Weather seasonable. Harvesting of winter rice and pressing of sugarcane continuing. Condition of *rabi* crops good. Prices falling Cattle-disease reported from two thanas in the Sadar subdivision. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | Nil | 11½<br>19⅓* | 11<br>19[illegible] | Standing crops doing well. Harvesting of paddy and pressing of sugarcane going on. Condition of agricultural stock normal. Stocks of food-grains sufficient. Prices stationary. Fodder and water sufficient. |
| 15 | SARAN ... | Nil | 14<br>20⅓* | 13<br>21* | Weather cold. Threshing of winter rice and irrigation of *rabi* crops going on. Poppy sowing finished. Pressing of sugarcane going on. Prices of staple food-crops stationary. No cattle-disease. Fodder and water sufficient. Agricultural stock good. |
| 16 | CHAMPARAN ... | Nil | 13<br>21½* | 12¾<br>21¾* | Weather seasonable. Agricultural stock in good condition. Condition of standing crops good. Harvesting of paddy in progress. Fodder and water sufficient. Cattle-disease reported from Lauriya. |
| 17 | MUZAFFARPUR | Nil | 13½<br>21½* | 13<br>21* | Weather seasonable. Prospects of standing crops excellent. *Rabi* sowings continuing. Harvesting of paddy in progress. Common rice and *makai* selling at 14 and 24 seers a rupee respectively at Sitamarhi and at 11 and 20 seers a rupee respectively at Hajipur. Fodder and water sufficient. Cattle-disease reported from Mahwa. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 18 | DARBHANGA ... | Nil | 15⅝<br>24 3/16* | 15⅝<br>24 3/16* | Weather seasonable. Prospects of standing crops good. Paddy crops being harvested. *Rabi* sowings still in progress in places. Food-stocks, fodder and water sufficient. Cattle-disease prevailing in two villages of Mahiuddinnagar. Common rice (average quality) selling at 14 3/16 seers a rupee at Sadar. *Makai* selling at 24 3/16 seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | Nil | 13 | 13<br>22* | Weather seasonable, getting cooler. Harvesting of paddy and sugarcane crops commenced. Prospects of *rabi* crops good. Cattle-disease reported from Gogri thana. Fodder and water sufficient. |
| 20 | BHAGALPUR ... | Nil | 14<br>20½* | 13⅞<br>20¼* | Weather seasonable. Harvesting of paddy going on vigorously everywhere. Prospects of *rabi* crops good. Stocks of food-grains sufficient. No apprehension of famine. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from thanas Srepaul and Madhipura. |
| 21 | PURNEA ... | Nil | 14 | 14 | Weather seasonable. Harvesting of paddy going on. Prospects of standing crops good. Fodder and water sufficient. Cattle-disease reported from two villages of thana Raniganj. Common rice selling at 14 seers per rupee at Araria and Kishanganj. |
| 22 | DARJEELING ... | Nil | 8<br>13* | 8<br>15* | Weather seasonable Hills—*Bara marua* and *bhadoi* paddy being harvested. *Chota marua*, winter rice, oil-seeds, wheat and barley growing. Terai—Harvesting of winter rice going on. Prospects satisfactory. Prices of coarse rice going down. |
| 23 | SONTHAL PARGANAS. | ... | 16½<br>25* | 16¼<br>24¾* | Weather seasonable. Harvesting of winter paddy going on. Prospects of standing crops very favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Cattle-disease reported from Godda. Rain wanted for gram and peas at Pakaur. Fodder and water sufficient. |
| 24 | CUTTACK ... | 1·90 | 13¾ | 13¾ | Harvesting of *saradh* paddy continuing. Barley wheat, coriander, cotton and castor growing. Sligh damage to standing crops by wind and rain reported from Kendrapara. Cattle-disease in some places. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 25 | BALASORE ... | Nil | 15 | 15 | Rainfall at Bhadrak 2·09 inches. Weather seasonable. Harvesting of *saradh* paddy and pressing of sugarcane continuing. *Rabi* crops in flower and fruit. Vegetables in progress. Condition of cattle good. Fodder and water available. Coarse rice selling at 17 seers per rupee at Bhadrak. Prices stationary. |
| 26 | ANGUL ... | Nil | $19\frac{15}{16}$ | 18 | Weather seasonable. Harvesting of winter rice and *rabi* crops going on. Common rice selling at $13\frac{1}{2}$ seers per rupee at the Khondmals. Fodder and water sufficient. Report from the Khondmals not received. |
| 27 | PURI ... | Nil | $12\frac{1}{8}$ | $12\frac{1}{8}$ | Rainfall at Khurda 2·56 inches. *Saradh* paddy being harvested. Sugarcane being pressed. *Kulthi* and mustard thriving well. Fodder and water sufficient. Cattle-disease reported from Bhubaneshwar and Jinkia *chaklas*. Common rice selling at $15\frac{3}{4}$ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 0·05 | 18 | 17 | Reaping and threshing of winter rice continuing. Harvesting of *til*, *kulthi* and *mung*, and pressing of sugarcane in progress. Condition of standing crops, sugarcane and vegetables good. Fields being ploughed for the next harvest. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Rinder-pest, foot-and-mouth disease reported. Cheapest rice selling at 22 seers per rupee at Bargarh. |
| 29 | HAZARIBAGH... | Nil | 12<br>$18\frac{1}{2}$* | 12<br>19* | Weather seasonable. Harvesting of paddy still continuing in some places. Rain wanted for *rabi* crops. Fodder and water sufficient. Cattle-disease in four *thanas*. |
| 30 | RANCHI ... | Nil | $13\frac{1}{2}$ | 13 | Weather seasonable. Harvesting and threshing of paddy nearly completed. State of standing crops good. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | Nil | $11\frac{1}{4}$ | $11\frac{1}{4}$ | Weather seasonable. Threshing of paddy in progress. *Rabi* crops doing well but rain would be beneficial. Sugarcane pressing continuing. Fodder and water sufficient. Some cattle-disease. |
| 32 | MANBHUM ... | Nil | $14\frac{1}{2}$ | 15 | Weather seasonable. State of standing crops good. Harvesting of winter rice still continuing. Fodder and water sufficient. Cattle-disease reported from Chirkunda and Rajganj. Condition of agricultural stock good. Prices of staple food-grains practically stationary. Common rice selling at 12 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | 0·36 | 12 | 12 | Weather cold. Harvesting of paddy nearly finished. Condition of cattle good. Fodder and water sufficient. Common rice selling at 12 and $14\frac{1}{2}$ seers a rupee at Kharsawan and Seraikella, respectively. |

* The figures indicate price of the maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 34 | COOCH BEHAR | Nil | 8⅝ | 8 | Weather seasonable. Prospects and condition of standing crops favourable. Harvesting of winter rice progressing. Agricultural stock in good condition. No apprehension of scarcity or famine. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 0·22<br>Baramba ... 0·40<br>Daspalla ... 0·32<br>Hindol ... 0·28<br>Keonjhar ... 0·06<br>Mayurbhanj ... 0·02<br>Nayagarh ... 0·20<br>Nilgiri ... 0·15<br>Ranpur ... 0·33<br>Talcher ... 0·09<br>Tigiria ... Sufficient rain during the week.<br><br>Weather seasonable. Harvesting of winter paddy continuing in all the States and that of miscellaneous crops, *i.e.*, *mung*, *biri*, *arhar*, *rasi* and cotton commenced in some of the States. Pressing of sugarcane in progress in Dhenkanal, Patna, Ranpur and Talcher. The estimated outturn of winter paddy 12 annas in Athmallik, Dhenkenal, Hindol, Mayurbhanj and Narsinghpur and 16 annas in Nayagarh and Pal-Lahara and that of sugarcane 16 annas in Dhenkanal. The state of standing crops good, but rain wanted in Dhenkanal for *rabi* crops. Fodder and water sufficient. During the week, price of rice fallen in one State, risen in three States and stationary in the remaining States: price varying from 13 seers in Tigiria and 15 seers in Rairakhol and Athmallik to 22 seers in Talcher and Baud and 24 seers in Pal-Lahara and Gangpur. |

* The report is for the week ending the 4th December 1909.

GENERAL SUMMARY.—There was moderate rain in parts of Cuttack, Balasore, Puri and Midnapore, light rain in Bankura, Nadia, Murshidabad, Jessore, Khulna, Sambalpur and Singhbhum and no rain in the rest of the Province. Harvesting of winter rice is going on. Prospects of the crop are very good. Sugarcane-pressing continues in Bihar and Orissa. Sowing of *rabi* crops is still going on in some districts. The early sown crops are doing well, but more rain is wanting in parts of Patna, the Sonthal Parganas and Hazaribagh. The price of common rice has risen in Murshidabad and Manbhum, and has fallen in fourteen districts. Cattle-disease is reported from Nadia, Jessore, Patna, Gaya, Champaran, Muzaffarpur, Darbhanga, Puri, Sambalpur, Hazaribagh, Palamau, Manbhum and from the Bhagalpur Division excepting Darjeeling. The fodder and water supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 14th December 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 11th December 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo. | Week ending Saturday, the 11th December 1909. | | | Week ending Saturday, the 12th December 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... | 267 | 22,817 | 310 | 885 | 76,815 | 1,354 |
| Jute ... | 213 | 86,475* | 1,285 | 230 | 78,993† | 1,286 |
| Firewood ... | 26 | 20,850 | 331 | 75 | 87,920 | 1,319 |
| Other articles ... | 489 | 1,31,210 | 1,697 | 809 | 214,190 | 2,788 |
| Total ... | 995 | 2,61,352 | 3,623 | 1,999 | 4,57,918 | 6,747 |

* Weight by canal measurement, 98,163½ maunds.
† Ditto ditto, 88,425 ..

CALCUTTA,
*The 14th December 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan. | Burdwan ... | Kalna .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Burdwan ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | ... |
| | | | Katwa ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raniganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mankur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Birbhum ... | Suri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hetampur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur Hat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bolpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... |
| | | | Murari ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Labpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Bankura . | Bankura ... | ... | ... | ... | | | | | | | | | | | | | | ... | ... | ... | ... |
| | | | Vishnupur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Maliara ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... | ... | ... | ... | ... |
| | | | Khatra ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... |
| | | | Indas ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kotalpur ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Onda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangajalghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·10 | ... | ... | ... | ... | ... |
| | | | Raipur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonamukhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Midnapore .. | Pachet ... | | | | | | | | | | | | | | | | | | | | |
| | | | Contai ... | 0·74 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tamluk .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·24 | ... | ... | ... | ... | ... |
| | | | Midnapore .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | 0·24 | ... | ... | ... | ... | ... |
| | | | Ghatal .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kukrahaty ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·09 | 0·29 | ... | ... | ... | ... | ... |
| | | | Amlagura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Panskura ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dantan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandrakona | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagwanpur .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kultikri ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... |
| | | | Gopiballavpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gidni ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Silda ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandro ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Goaltore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Salboni ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... |
| | | | Narainagarh ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramnagar ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohanpore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Heria ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Janka (Khejari). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nandigram ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Moyna ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pingla ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Narajole ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Hooghly .. | Serampore ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·07 | ... | ... | ... | ... | ... | ... | ... |
| | | | Hooghly | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Arambagh (Jahanabad).* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Howrah | Howrah ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... | ... |
| | | | Mohesreka .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·15 | ... | ... | ... | ... | ... |
| | | | Uluberia .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | ... | ... | ... | ... | ... |
| | | | *Amta* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... |
| | Presidency. | 24-Parganas ... | Saugor Island | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·05 | 0·03 | ... | ... | ... | ... | ... |
| | | | Diamond Harbour. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·12 | 0·08 | ... | ... | ... | ... | ... |
| | | | *Budge-Budge* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Canning Town | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Alipore (Obsv.) | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... |
| | | | Barrackpore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·11 | ... | ... | ... | ... | ... |
| | | | Dum-Dum . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·20 | ... | ... | ... | ... | ... |
| | | | Barasat . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·30 | ... | ... | ... | ... | ... |
| | | | Basirhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Fraserganj ... | | | | | | | | | | | | | | | | | | | | |
| | | Nadia ... | Ranaghat ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·02 | ... | ... | ... | ... | ... |
| | | | Krishnagar .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·21 | ... | ... | ... | ... | ... |
| | | | Chuadanga .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Meherpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1·05 | ... | ... | ... | ... | ... |
| | | | Kushtia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·38 | ... | ... | ... | ... | ... |
| | | | Haringhata ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Murshidabad | Kandi . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Berhampore.. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Lalbagh . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Azimganj .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jangipur . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Lalgola ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Akriganj ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Patkabari .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dumkal . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kullyanganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Jessore ... | Narail . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jessore . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jhenida | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Magura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... |
| | | | Bangaon . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·22 | ... | ... | ... | ... | ... | ... |
| | | Khulna .. | Satkhira | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bagerhat | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | 0·08 | ... | ... | ... | ... |
| | | | Khulna . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kaliganj* . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·13 | 0·02 | 0·01 | ... | ... | ... | ... |
| | | | Nakipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dumuria* . | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·08 | ... | ... | ... | ... |
| | | | *Kalaroa* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·18 | 1·00 | ... | ... | ... | ... | ... | ... |
| | | | *Paikgachha* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·06 | ... | ... | ... | ... |
| | | | *Mollahat* | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·81 | ... | ... | ... | ... |
| | | | *Horeiganj* ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | ... |
| | | | *Tala* .. | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·01 | ... | ... | ... | ... |

## STATIONS IN BENGAL IN NOVEMBER 1909.

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. to 30th Nov. 1909. | Average rainfall from 16th Oct. to 30th Nov. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·74 | Nil | 0·87 | Nil | 2·98 | 2·06 | Kalna | Burdwan ... | South-West Bengal. | Burdwan. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | 0·07 | 0·64 | 0·07 | 0·69 | 2·24 | Burdwan | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·61 | Nil | 0·59 | Nil | 1·32 | 2·08 | Katwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·54 | Nil | Nil | 1·66 | Raniganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·49 | Nil | 0·13 | 1·24 | Mankur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·33 | Nil | 0·06 | 1·78 | Suri | Birbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·45 | Nil | Nil | 1·54 | Hetampur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·64 | Nil | 0·37 | Nil | 0·62 | 1·69 | Rampur Hât. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·81 | 0·10 | 0·67 | 0·10 | 0·19 | 1·58 | Bolpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·62 | Nil | 0·34 | Nil | 1·20 | 1·61 | Murari. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·23 | Nil | 0·52 | 2·31 | Labpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 0·79 | | 0·51 | | | 1·97 | Bankura ... | Bankura ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·64 | Nil | 0·46 | Nil | 0·08 | 1·64 | Vishnupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·75 | 0·24 | 0·26 | 0·24 | 0·24 | 1·49 | Maliara | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·10 | Nil | 0·79 | Nil | Nil | 1·98 | Khatra | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·46 | Nil | 0·85 | 1·29 | Indas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·76 | Nil | 0·57 | Nil | 0·87 | 1·52 | Kotalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·94 | Nil | 0·30 | Nil | Nil | 1·19 | Onda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·81 | 0·10 | 0·68 | 0·10 | 0·10 | 1·51 | Gangajalghati. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·94 | Nil | 0·71 | Nil | 0·50 | 2·22 | Raipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·68 | Nil | Nil | 1·67 | Sonamukhi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | ? 1·16 | | ? 1·32 | | | ? 4·96 | Pachet ... | Midnapore ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·71 | 0·24 | 0·45 | 0·24 | 0·94 | 2·35 | Tamluk. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·14 | 0·25 | 0·56 | 0·24 | 0·46 | 2·80 | Midnapore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·54 | Nil | | 1·34 | Ghatal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·07 | 0·38 | 0·83 | 0·29 | 1·37 | 1·83 | Kukrahaty. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | 0·41 | Nil | | ? | Amlagura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·62 | Nil | 0·36 | 1·90 | Panskura | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·26 | Nil | 0·35 | Nil | Nil | 2·41 | Dantan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Chandrakona. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·33 | ? | Bhagwanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·03 | ? | 0·03 | 0·35 | ? | Kultikri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·28 | ? | Gopibalhavpore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·76 | ? | Gidni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·47 | ? | Silda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Chandre. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Goaltore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·02 | ? | 0·02 | 0·26 | ? | Salboni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Naraingarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Ramnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Mohanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·30 | ? | Heria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·56 | ? | Janka (Khejari). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·90 | ? | Nandigram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Moyna. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Pingla. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·67 | ? | Narajole. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | 0·07 | 0·65 | 0·07 | 2·76 | 2·30 | Serampore ... | Hooghly ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·66 | Nil | 4·19 | 2·04 | Hooghly. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·67 | Nil | 0·45 | Nil | 0·55 | 1·76 | *Arambagh* (Jahanabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·84 | 0·22 | 0·50 | 0·22 | 2·61 | 2·21 | Howrah | Howrah ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·77 | 0·15 | 0·52 | 0·15 | 1·41 | 1·49 | Mohesreka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·70 | 0·25 | 0·51 | 0·25 | 1·13 | 1·50 | Ulubaria | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | [illegible] | ? | 0·02 | 0·75 | ? | *Amta.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·35 | 0·08 | 1·31 | 0·05 | 0·80 | 5·07 | Saugor Island | 24-Parganas ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·10 | 0·20 | 0·79 | 0·12 | 1·74 | 2·61 | Diamond Harbour. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 1·65 | ? | *Budge-Budge.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·19 | Nil | 1·28 | Nil | 4·31 | 2·78 | Canning Town. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·96 | 0·20 | 0·62 | 0·20 | 3·68 | 1·72 | Alipore (Obsy.). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·97 | 0·11 | 0·74 | 0·11 | | 2·21 | Barrackpore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·87 | 0·20 | 0·54 | 0·20 | 4·52 | 2·30 | Dum-Dum. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·84 | 0·30 | 0·55 | 0·30 | 2·07 | 2·41 | Barasat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·94 | Nil | 0·51 | Nil | 4·15 | 2·29 | Bagirhat | | | |
| | | | | | | | | | | | ? | | ? | | | | Fraserganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·74 | 0·02 | 0·82 | 0·02 | 3·83 | 2·16 | Ranaghat ... | Nadia ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·81 | 0·21 | 0·74 | 0·21 | 3·07 | 1·89 | Krishnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·57 | Nil | 0·91 | Nil | 4·78 | 2·63 | Chuadanga. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·71 | 1·05 | 0·52 | 1·05 | 4·96 | 2·07 | Meherpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·84 | 0·38 | 0·70 | 0·38 | 8·01 | 2·54 | Kushtia | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·36 | ? | Haringhata. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·77 | Nil | 0·64 | | | 1·89 | Kandi | Murshidabad | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·52 | Nil | 0·40 | Nil | 1·38 | 1·71 | Berhampore | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·67 | Nil | 1·17 | 1·77 | Lalbagh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·54 | Nil | 0·33 | Nil | 1·02 | 2·53 | Azimganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·52 | Nil | 0·30 | Nil | 1·11 | 1·59 | Jangipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·57 | Nil | 0·40 | Nil | | 2·07 | Lalgola. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·73 | Nil | 0·45 | Nil | 1·31 | 1·95 | Akriganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·70 | Nil | | 1·77 | Patkabari. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·68 | Nil | 0·46 | Nil | 2·65 | 1·71 | Dumkal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·0[illegible] | ? | *Kullyganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·90 | Nil | 0·84 | Nil | 5·73 | 2·72 | Narail | Jessore ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·10 | Nil | 1·18 | Nil | 12·38 | 3·27 | Jessore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·88 | Nil | | 2·64 | Jhenida | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | 0·03 | 0·88 | 0·03 | | 2·32 | Magura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·87 | 0·22 | 0·62 | 0·22 | 5·20 | 2·33 | Bangaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·13 | Nil | 0·66 | Nil | 8·92 | 2·33 | Satkhira | Khulna .. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·27 | 0·11 | 0·88 | 0·08 | | 3·33 | Bagerhat. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·07 | Nil | 0·72 | Nil | 4·38 | 2·57 | Khulna. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·16 | ? | 0·13 | 9·06 | ? | *Kaliganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 1·00 | | 1·10 | | | 3·32 | Nakipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·50 | ? | *Dumuria.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·82 | 0·08 | 1·27 | 0·08 | 5·48 | 3·12 | Rampal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ? | 1·1[illegible] | ? | 1·[illegible] | 10·44 | ? | *Kalaroa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·06 | ? | 0·06 | 9·26 | ? | *Paikgachha.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·20 | ? | 0·18 | 3·38 | ? | *Mollahat.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·01 | ? | 0·01 | 0·01 | ? | *Morelganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·01 | ? | 0·01 | 6·73 | ? | *Tala.* | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar. | Patna. | Patna | Patna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dinapore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bihar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bikram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hilsa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Islampur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Asthawan* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Gya | Aurangabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gaya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nawadah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jahanabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arwal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dandnagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shorghati | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rajauli | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Fakri Barawan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Deo* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nobinagar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Shahabad | Buxar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dehri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shahbhua | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sasaram | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Arrah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohanea | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ageaon | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramagar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Koath | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sikroul | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bassowan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monaharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Akberpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chand | | | | | | | | | | | | | | | | | | | | |
| | | | Chenari | | | | | | | | | | | | | | | | | | | | |
| | | | Kargahar | | | | | | | | | | | | | | | | | | | | |
| | | | Adhaura | | | | | | | | | | | | | | | | | | | | |
| | Tirhut. | Saran | Gopalganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Siwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ekma | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chapra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hathwa* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amnor | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Basantpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Darauli* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhoreh* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Sripur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Parsa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Maharajganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mashrakh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Champaran | Motihari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bettiah | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bagaha | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Burhurwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ramnagar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Narkotiaganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kissoriah* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Dhanaha* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Muzaffarpur | Sitamarhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Muzaffarpur | | | | | | | | | | | | | | | | | | | | |
| | | | Hajipur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Paru | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mahua | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shuhar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Papri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raghopur | | | | | | | | | | | | | | | | | | | | |
| | | | Manine | | | | | | | | | | | | | | | | | | | | |
| | | | Minapore | | | | | | | | | | | | | | | | | | | | |
| | | | Katra | | | | | | | | | | | | | | | | | | | | |
| | | | Patipur | | | | | | | | | | | | | | | | | | | | |
| | | | Lalganj | | | | | | | | | | | | | | | | | | | | |
| | | | Sursand | | | | | | | | | | | | | | | | | | | | |
| | | | Sonbarsa | | | | | | | | | | | | | | | | | | | | |
| | | | Bairagnia | | | | | | | | | | | | | | | | | | | | |
| | | Darbhanga | Tajpur (Samastipur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Darbhanga | | | | | | | | | | | | | | | | | | | | |
| | | | Madhubani | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bahera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Roserha | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khutonia* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ladania* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Laukahi* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Khajouli* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Banipatti* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Madhupur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | Bhagalpur. | Monghyr | Begusarai | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Monghyr | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamui | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gogri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Shaikhpura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chakai Bamda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chupreon | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gidhour | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

STATIONS IN BENGAL IN NOVEMBER 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. to 30th Nov. 1909. | Average rainfall from 16th Oct. to 30th Nov. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·32 | Nil | 0·20 | Nil | Nil | 1·41 | Patna ... | Patna .. | Patna | Bihar |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·32 | Nil | 0·22 | Nil | Nil | 1·35 | Dinapore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·19 | Nil | Nil | 1·21 | Bihar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·18 | Nil | Nil | 1·10 | Barh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·23 | Nil | 0·30 | Nil | Nil | 1·28 | Bikram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·36 | Nil | 0·07 | Nil | Nil | 1·05 | Hilsa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Islampur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Asthawan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·40 | Nil | 0·25 | Nil | Nil | 0·97 | Aurangabad | Gaya ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·48 | Nil | 0·27 | Nil | Nil | 1·26 | Gaya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·35 | Nil | 0·16 | Nil | Nil | 0·95 | Nawadah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·32 | Nil | 0·25 | Nil | Nil | 1·01 | Jahanabad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·16 | Nil | Nil | 0·96 | Arwal. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·26 | Nil | Nil | 1·03 | Daudnagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·19 | Nil | 0·09 | Nil | Nil | 1·03 | Sherghati. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·31 | Nil | 0·24 | Nil | Nil | 1·01 | Rajauli. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·31 | Nil | 0·10 | Nil | Nil | 0·58 | Pakri Barawan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Deo.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Nabinagar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·39 | Nil | 0·38 | Nil | Nil | 1·46 | Buxar ... | Shahabad ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·44 | Nil | 0·28 | Nil | Nil | 1·36 | Dehri | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·48 | Nil | 0·54 | Nil | Nil | 1·54 | Bhabhua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·52 | Nil | 0·27 | Nil | Nil | 1·32 | Sasaram. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·42 | Nil | 0·21 | Nil | Nil | 1·11 | Arrah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·31 | Nil | 0·28 | Nil | Nil | 1·03 | Mohanea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·39 | Nil | Nil | 1·90 | Ageaon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·22 | Nil | 0·21 | Nil | Nil | 1·20 | Ramagar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·43 | Nil | Nil | 1·40 | Koath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·45 | Nil | Nil | 1·45 | Sikroul. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·23 | Nil | Nil | 1·98 | Bassowan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·47 | Nil | Nil | 1·68 | Monaharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Akberpur.* | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Chand. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Chenari. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Kargahar. | | | |
| | | | | | | | | | | | | | ? | | | ? | Adhaura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·30 | Nil | 0·14 | Nil | Nil | 0·92 | Gopalganj ... | Saran ... | Tirhut. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·39 | Nil | 0·17 | Nil | Nil | 1·82 | Siwan. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·25 | Nil | Nil | 1·59 | Ekma. | | | |
| | | | | | | | | | | | 0·39 | | 0·25 | | | 1·09 | Chapra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Hathwa.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·14 | Nil | Nil | 1·52 | Amnur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·29 | Nil | Nil | 0·98 | Basantpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Darauli.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Bhoreh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Sripur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Parsa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | | Nil | Nil | ? | Moharajganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | Nil | | Nil | Nil | | Mashrake. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·18 | Nil | 0·12 | Nil | Nil | 0·75 | Motihari | Champaran ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·10 | Nil | 0·04 | Nil | Nil | 0·60 | Bettiah. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·31 | Nil | 0·22 | Nil | Nil | 0·82 | Bagaha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·19 | Nil | 0·07 | Nil | Nil | 0·92 | Burhurwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Ramnagar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Narkotiaganj* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Kisworiah.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Dhanaha.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·10 | Nil | 0·07 | Nil | Nil | 0·93 | Sitamarhi ... | Muzaffarpur | | |
| | | | | | | | | | | | 0·37 | | 0·12 | | Nil | 1·40 | Muzaffarpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·37 | Nil | 0·15 | Nil | Nil | 1·13 | Hajipur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·08 | Nil | Nil | 0·79 | Paru. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·28 | Nil | 0·15 | Nil | | 1·16 | Mahua. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·17 | Nil | Nil | 1·1[illegible] | Shuhar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·00 | Nil | Nil | Nil | Nil | 0·15 | Pupri. | | | |
| | | | | | | | | | | | | | | | | | Raghopur. | | | |
| | | | | | | | | | | | | | | | | | Manine. | | | |
| | | | | | | | | | | | | | | | | | Minapore. | | | |
| | | | | | | | | | | | | | | | | | Katra. | | | |
| | | | | | | | | | | | | | | | | | Patipur. | | | |
| | | | | | | | | | | | | | | | | | Lalganj. | | | |
| | | | | | | | | | | | | | | | | | Suraund. | | | |
| | | | | | | | | | | | | | | | | | Sonbarsa. | | | |
| | | | | | | | | | | | | | | | | | Bairagnia. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Tajpur (Samastipur). | Darbhanga ... | | |
| | | | | | | | | | | | 0·26 | | 0·17 | | | 1·09 | Darbhanga. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·19 | Nil | 0·07 | Nil | Nil | 1·07 | Madhubani. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·17 | Nil | 0·05 | Nil | Nil | 0·91 | Bahera. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·19 | Nil | 0·15 | Nil | Nil | 0·61 | Roserha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·12 | Nil | Nil | 0·54 | *Khutonia.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Ladania.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Laukaha.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Khajouli.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Banipatti.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Madhupur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·32 | Nil | 0·22 | Nil | 0·03 | 1·37 | Begusarai .. | Monghyr ... | Bhagalpur. | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·26 | Nil | 0·20 | Nil | Nil | 1·30 | Monghyr. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·45 | Nil | 0·12 | Nil | | 0·85 | Jamui. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·19 | Nil | 0·04 | Nil | | 0·48 | Gogri. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·00 | Nil | 0·01 | Nil | 0·06 | 0·78 | Jamalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·06 | Nil | 0·08 | Nil | | 0·98 | Shaikhpura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·11 | Nil | 0·08 | Nil | 0·07 | 1·53 | Chakai Bamda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·13 | Nil | 0·04 | Nil | Nil | 0·87 | Chupreon. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·43 | Nil | 0·07 | Nil | 0·30 | 1·21 | Gidhour. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·09 | Nil | | Nil | | 1·01 | Kharagpur. | | | |

## TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District. | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bihar—concld. | Bhagalpur—concld. | Bhagalpur | Madhipura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bangaon (Syfabad). | | | | | | | | | | | | | | | | | | | | |
| | | | Supaul | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pratapganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banka | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Colgong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bansil | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Darjeeling | Siliguri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Darjeeling | | | | | | | | | | | | | | | | | | | | |
| | | | Kalimpong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mongpoo | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kurseong | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pedong | 0·02 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Purnea | Kishanganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Araria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Purnea | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gondwara (*Korah*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barsoe | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Forbesganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kaliaganj | ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Sonthal Parganas. | Rajmahal | | | | | | | | | | | | | | | | | | | | |
| | | | Godda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pakaur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Naya Dumka | | | | | | | | | | | | | | | | | | | | |
| | | | Deoghur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jamtara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mohagama* | | | | | | | | | | | | | | | | | | | | |
| | | | Nanihat | | | | | | | | | | | | | | | | | | | | |
| | | | Assenboni | | | | | | | | | | | | | | | | | | | | |
| | | | Katikund | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Madhupur | | | | | | | | | | | | | | | | | | | | |
| | | | Sarwan | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sarath | | | | | | | | | | | | | | | | | | | | |
| | | | Poorya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhagya | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mohespur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Hirampur* | | | | | | | | | | | | | | | | | | | | |
| | | | Barharwa | | | | | | | | | | | | | | | | | | | | |
| | | | Sahibganj | | | | | | | | | | | | | | | | | | | | |
| | | | *Bario* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Amrapura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Orissa. | Orissa. | Sambalpur | Sambalpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bargarh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Padampur* (*Barasamber*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Uria Feudatory States. | Bhawanipatna | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bolangir | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Sonepur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Rampur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Deoghur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gangpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bonaigurh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Cuttack | Jagatsingpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Banki | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Cuttack | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | False Point | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kendrapara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jajpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dharmsala | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Salepur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Balasore | Akhyapada | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandbali | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhadrak | 0·35 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Soro | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Balasore | | | | | | | | | | | | | | | | | | | | |
| | | | Jellasore | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Baliapal* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Eram* (Basudebpur). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Turiparia* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Banush* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Angul | Angul | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bissipara | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chhendipada* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Tikerpara* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Balandapara* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Orissa Tributary Mahals. | Baramba | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kunjabongarh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhenkanal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Baisinga* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Keonjhar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Anandapur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Baripada | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Karanjia* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Narsingpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Nayagarh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pal Lahera | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ranpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Talcher | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athmalik* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | ... |
| | | | *Hindol* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Boad* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nilgiri* | 0·42 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Athgurh* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

STATIONS IN BENGAL IN NOVEMBER 1909—*continued.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct. to 30th Nov. 1909. | Average rainfall from 16th Oct. to 30th Nov. | Station. | District. | Division. | Meteorological Division. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·23 | Nil | 0·06 | Nil | Nil | 1·02 | Madhipura .. | Bhagalpur ... | Bhagalpur—*concluded.* | Bihar—*concluded.* |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·17 | Nil | 0·04 | Nil | | 0·91 | Bangaon (Syalabad). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·13 | Nil | 0·04 | Nil | 0·12 | 0·96 | Supaul | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·06 | Nil | 0·01 | Nil | Nil | 0·78 | Pratapganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·23 | Nil | 0·17 | Nil | 0·10 | 1·06 | Bhagalpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·32 | Nil | 0·13 | Nil | Nil | 1·32 | Banka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·13 | Nil | 0·06 | Nil | Nil | 0·70 | Colgong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·17 | Nil | 0·08 | Nil | Nil | 0·78 | Bansil. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·83 | Nil | 0·37 | Nil | 0·65 | 1·60 | Siliguri | Darjeeling ... | | |
| | | | | | | | | | | | 0·8 | | 0·24 | | | 3·12 | Darjeeling. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·67 | Nil | 0·37 | Nil | | 1·12 | Kalimpong | | | |
| 0·20 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 0·38 | 0·29 | 0·16 | 0·20 | 0·29 | 1·50 | Mongpoo. | | | |
| ... | ... | ... | ... | ... | 0·03 | ... | ... | ... | ... | Nil | 1·17 | 0·03 | 0·36 | 0·03 | 0·10 | 1·80 | Kurseong | | | |
| ... | ... | ... | ... | ... | 0·10 | 0·03 | ... | ... | ... | 1 | 0·88 | 0·13 | 0·38 | 0·10 | 0·64 | 1·64 | Pedong. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·20 | Nil | 0·05 | Nil | 0·11 | 0·97 | Kishanganj ... | Purnea ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·13 | Nil | 0·05 | Nil | Nil | 1·02 | Araria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·16 | Nil | 0·07 | Nil | 0·77 | 1·35 | Purnea. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·22 | Nil | | 0·76 | Gondwara (*Korah*). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·11 | Nil | 0·03 | Nil | 0·10 | 0·67 | Barsoe. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·00 | Nil | Nil | Nil | Nil | 0·97 | Forbesganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·25 | Nil | 0·08 | Nil | | 0·60 | Kaliaganj. | | | |
| | | | | | | | | | | | 0·30 | | 0·11 | | | 1·03 | Rajmahal .. | Sonthal Parganas. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·41 | Nil | 0·27 | Nil | 0·08 | 1·24 | Godda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·36 | Nil | 0·87 | 1·53 | Pakaur. | | | |
| | | | | | | | | | | | 0·50 | | 0·31 | | | 1·51 | Naya Dumka. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·45 | Nil | 0·20 | Nil | 0·09 | 1·74 | Deoghur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·70 | Nil | 0·49 | Nil | Nil | 1·62 | Jamtara | | | |
| | | | | | | | | | | | ? | | ? | | | ? | *Mohagama.* | | | |
| | | | | | | | | | | | 0·38 | | 0·21 | | | 1·04 | Nanihat. | | | |
| | | | | | | | | | | | 0·67 | | 0·49 | | | 2·02 | Assenboni. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·57 | Nil | 0·66 | Nil | Nil | 2·43 | Katikund. | | | |
| | | | | | | | | | | | 0·57 | | 0·24 | | | 1·65 | Madhupur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·24 | Nil | Nil | 2·04 | Surwan. | | | |
| | | | | | | | | | | | 0·71 | | 0·20 | | | 2·10 | Sarath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·21 | Nil | Nil | 1·43 | Poorya | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·00 | Nil | Nil | Nil | Nil | 0·50 | Bhagya. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·57 | Nil | 0·48 | Nil | ·75 | 1·86 | Mohespur. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | *Hiranpur.* | | | |
| | | | | | | | | | | | 0·29 | | 0·19 | | | 1·10 | Barharwa | | | |
| | | | | | | | | | | | 0·14 | | 0·07 | | | 0·47 | Sahibganj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·37 | ? | *Bario* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Amrapura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·42 | Nil | 0·04 | 1·49 | Sambalpur ... | Sambalpur ... | Orissa. | Orissa. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·60 | Nil | 0·44 | Nil | 0·09 | 1·31 | Barrarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·30 | ? | *Padampur (Barasamber)* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Bhawanipatna | Uria Feudatory States. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·12 | ? | Bolangir. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·28 | ? | Sonepur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·13 | ? | Rampur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | Deoghur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·84 | Nil | 0·69 | Nil | | 1·53 | Gangpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Bonaigurh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·72 | Nil | 1·89 | Nil | 3·19 | 4·46 | Jagatsingpur | Cuttack ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·89 | Nil | 1·42 | Nil | 1·87 | 3·41 | Banki. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·71 | Nil | 1·36 | Nil | 2·16 | 3·72 | Cuttack | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·45 | Nil | 2·74 | Nil | 2·15 | 6·53 | False Point. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·83 | Nil | 1·79 | Nil | 1·46 | 4·46 | Kendrapara | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·30 | Nil | 1·08 | Nil | 1·17 | 3·04 | Jajpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·50 | Nil | 1·52 | Nil | 1·41 | 3·62 | Dharmsala. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·40 | Nil | 1·74 | Nil | 2·46 | 3·32 | Salepur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·35 | Nil | 1·42 | Nil | | 2·91 | Akhyapada ... | Balasore ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·79 | Nil | 1·85 | Nil | 2·38 | 3·98 | Chandbali. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1·58 | 0·35 | 1·17 | 0·35 | 3·75 | 3·24 | Bhadrak | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·39 | Nil | 0·93 | Nil | ·45 | 3·15 | Soro. | | | |
| | | | | | | | | | | | 1·48 | | 1·18 | | | 3·66 | Balasore. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·93 | Nil | 0·65 | Nil | 0·22 | 1·87 | Jellasore | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Baliapal.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·06 | ? | *Eram* (Basudeopur). | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Turigaria.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·50 | ? | *Banath.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·95 | Nil | 1·22 | Nil | 0·88 | 2·51 | Angul .. | Angul .. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·90 | Nil | 0·96 | Nil | 1·18 | 2·64 | Bissipara | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·47 | ? | *Chhendipada.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·36 | ? | *Tikerpara.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·44 | ? | *Balandapara.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·50 | Nil | 1·24 | Nil | 2·07 | 3·11 | Baramba ... | Orissa Tributary Mahals. | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·42 | Nil | 1·11 | Nil | 2·60 | 2·83 | Kunjabongarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·65 | Nil | 1·15 | Nil | 1·18 | 2·43 | Dhenkanal | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·14 | ? | *Baisinga.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·37 | Nil | 0·83 | Nil | 0·65 | 2·03 | Keonjhar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·80 | Nil | 0·23 | 2·86 | Anandapur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·14 | Nil | 0·81 | Nil | 0·67 | 2·47 | Baripada. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Karanjia.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·60 | Nil | 1·24 | Nil | 1·36 | 2·59 | Narsingpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·25 | Nil | 1·09 | Nil | 2·55 | 3·34 | Nayagarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·40 | Nil | Nil | 1·30 | Pal Lahera | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·13 | Nil | 0·67 | Nil | 2·02 | 2·69 | Ranpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·35 | Nil | 1·05 | Nil | 0·80 | 1·85 | Talcher. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Athmalik.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | 0·03 | ? | 0·03 | 2·06 | ? | *Hindol.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·60 | ? | *Boad.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 2·00 | ? | *Nilgiri.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ? | 0·42 | ? | 0·42 | 0·09 | ? | *Athgarh.* | | | |

TABLE OF RAINFALL RECORDED AT

| Meteorological Division. | Division. | District | Station. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orissa—concld. | Orissa—concld. | Puri | Puri | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khurda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhanpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 6·26 | ... | ... | ... | ... |
| | | | Gop | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Satpara | | | | | | | | | | | | | | | | | | | | |
| | | | Sunakhalla | | | | | | | | | | | | | | | | | | | | |
| | | | *Kanas* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tanghi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jenkia | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur | Chota Nagpur. | Hazaribagh | Pachamba (*Giridih*). | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Hazaribagh | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barhi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chatra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kharagdiha | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ramgar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Koderma* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bagodar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Ranchi | Lohardaga | ... | | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... | ... | | ... | ... | ... | ... | ... |
| | | | Ranchi | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Silli | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Palkot | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bano* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Tamar | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kurdeg* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Gumla* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Champur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Khunti | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | Palamau | Palamau (*Daltonganj*). | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Baromath | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Husainabad | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Garhwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Mahuadanr* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Panki* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Latehar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Nagarutari* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Ranka* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Chattarpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Bhawanathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Pataw* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Monatu* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Lesliganj* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kerh* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Garu* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chandwa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Harihaganj | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bhandaria | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Bisrampur | | | | | | | | | | | | | | | | | | | | |
| | | Manbhum | Purulia | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gobindpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Raghunathpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Barahabhum | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jhalda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jhalda | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Pandra | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Manbazar* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kalapal | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Dhanbad | | | | | | | | | | | | | | | | | | | | |
| | | Singhbhum | Chaibassa | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chakradharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Ghatsila | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Baharagora | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Gailkura | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Kalikapur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Mosaharpur | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Jathari | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | Chaikilla | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Kiarsowa* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Jamtipahr* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| | | | *Jaganathpur* | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## STATIONS IN BENGAL IN NOVEMBER 1909—*concluded.*

| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | No. of rainy days. | Average number of rainy days. | Total rainfall for the month. | Average rainfall for the month. | Heaviest rainfall during the month. | Total rainfall from 16th Oct to 30th Nov. 1909. | Average rainfall from 16th Oct. to 30th Nov. | Station. | DISTRICT. | DIVISION. | METEOROLOGICAL DIVISION. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·45 | Nil | 2·65 | Nil | 2·77 | 7·00 | Puri | Puri | Orissa—concld. | Orissa—concld. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·03 | Nil | 1·77 | Nil | 2·15 | 4·48 | Khurda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | 2·18 | 0·26 | 2·14 | 0·26 | 3·33 | 5·16 | Bhanpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 2·31 | Nil | 3·77 | Nil | 2·37 | 7·02 | Gop. | | | |
| | | | | | | | | | | | 2·36 | | 1·97 | | | 4·90 | Satpara. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Sunakhalla. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Kanas.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 7·20 | ? | Tanghi. | | | |
| | | | | | | | | | | | ? | | ? | | | ? | Jenkia. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·58 | Nil | 0·19 | Nil | | 1·43 | Pachamba (*Giridih*). | Hazaribagh | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·65 | Nil | 0·30 | Nil | Nil | 1·48 | Hazaribagh | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·31 | Nil | 0·17 | Nil | Nil | 1·43 | Barhi. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·24 | Nil | Nil | 1·10 | Chatra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·33 | Nil | | 1·24 | Kharagdiha. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·05 | Nil | | 1·79 | Ramgarh. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Koderma.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Bagodar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·71 | Nil | 0·46 | Nil | | 1·09 | Lohardaga ... | Ranchi ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·72 | Nil | 0·31 | Nil | Nil | 1·34 | Ranchi | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·33 | Nil | 0·16 | Nil | Nil | 0·78 | Silli. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·39 | Nil | | 1·16 | Palkot. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Bano.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·41 | Nil | | 1·02 | Tamar. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Kurdeg.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Gumla.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·00 | Nil | 0·47 | Nil | Nil | 1·31 | Chainpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·28 | ? | Khunti. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·68 | Nil | 0·35 | Nil | | 1·29 | Palamau (*Daltonganj*). | Palamau ... | Chota Nagpur. | Chota Nagpur. |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·47 | Nil | 0·33 | Nil | Nil | 1·50 | Balumath. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·69 | Nil | 0·25 | Nil | | 1·52 | Husainabad | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·23 | Nil | Nil | 1·19 | Garhwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Mahuadanr* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Panki.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Latehar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Nagarutari.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Ranka.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Chatterpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Bhaonathpur.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Patan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Monatu.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Lesliganj.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Kerh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Garu.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Chandwa. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Harihargunj. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Bhandaria. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | | | | | | | Bisrampur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·74 | Nil | 0·24 | Nil | 0·15 | 1·22 | Purulia | Manbhum ... | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·88 | Nil | 0·22 | Nil | 0·29 | 1·27 | Gobindpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | 0·63 | | 0·47 | | | 0·97 | Raghunathpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·53 | Nil | 0·20 | 1·31 | Barahabhum | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·63 | Nil | 0·27 | Nil | 0·24 | 1·03 | Jhalda. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·32 | Nil | Nil | 1·13 | Chas. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·56 | Nil | 0·14 | Nil | Nil | 1·84 | Pandra. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | | ? | *Manbazar.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | Kotlapal. | | | |
| | | | | | | | | | | | | | | | | | Dhanbad. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·81 | Nil | 0·40 | Nil | 0·19 | 1·42 | Chaibassa | Singhbhum | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 1·13 | Nil | 0·73 | Nil | 0·04 | 1·51 | Chakradharpur | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·75 | Nil | 0·58 | Nil | 0·35 | 1·57 | Ghatsila. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·75 | Nil | 0·52 | Nil | 0·26 | 1·73 | Baharagura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·38 | Nil | 0·25 | Nil | | 0·16 | Gailkura. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·50 | Nil | 0·22 | Nil | 0·58 | 1·90 | Kalikapur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | 0·29 | Nil | 0·21 | Nil | | 0·47 | Monoharpur. | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·49 | ? | *Kalbari.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Seraikela.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | Nil | ? | *Kharswan.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·38 | ? | *Jaintigarh.* | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | Nil | ? | Nil | ? | Nil | 0·30 | ? | *Jaganathpur.* | | | |

## DISTRICT RAINFALL TABLE OF THE PROVINCE OF BENGAL for the month of November 1909.

| Meteorological Division. | Division. | District. | District observations. Rainfall. Of month. Mean of district. | Normal mean. | Variation from mean. | Number of rainy days. | Normal mean number of rainy days. | Since 16th October 1909. Mean of district. | Normal mean. | Variation. | Mean number of rainy days. | Normal mean number of rainy days. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal. | Burdwan ... | Burdwan ... | 0·01 | 0·63 | —0·62 | 0·00 | 0·72 | 1·02 | 1·85 | —0·83 | 1·60 | 2·14 |
| | | Birbhum ... | 0·02 | 0·41 | —0·39 | 0·17 | 0·63 | 0·45 | 1·56 | —1·11 | 1·00 | 1·96 |
| | | Bankura ... | 0·04 | 0·54 | —0·50 | 0·22 | 0·85 | 0·27 | 1·65 | —1·38 | 0·52 | 2·30 |
| | | Midnapore ... | 0·15 | 0·64 | —0·49 | 0·50 | 0·75 | 0·54 | 2·47 | —1·93 | 1·33 | 2·37 |
| | | Hooghly ... | 0·09 | 0·59 | —0·57 | 0·00 | 0·77 | 2·50 | 1·96 | +0·54 | 1·33 | 2·50 |
| | | Howrah ... | 0·21 | 0·51 | —0·30 | 1·00 | 0·77 | 1·72 | 1·73 | —0·01 | 2·67 | 2·49 |
| | Presidency ... | 24-Parganas ... | 0·14 | 0·82 | —0·68 | 0·63 | 1·04 | 3·28 | 2·81 | +0·47 | 2·63 | 3·00 |
| | | Calcutta ... | 0·20 | 0·62 | —0·42 | 1·00 | 0·96 | 3·68 | 1·72 | +1·96 | 4·00 | 2·86 |
| | | Nadia ... | 0·33 | 0·74 | —0·41 | 0·60 | 0·73 | 4·93 | 2·26 | +2·67 | 3·20 | 2·44 |
| | | Murshidabad ... | Nil | 0·49 | —0·49 | 0·00 | 0·65 | 1·44 | 1·78 | —0·34 | 1·83 | 2·05 |
| | | Jessore ... | 0·06 | 0·88 | —0·82 | 0·25 | 0·97 | 7·76 | 2·65 | +5·11 | 2·58 | 2·90 |
| | | Khulna ... | 0·05 | 0·93 | —0·88 | 0·00 | 1·06 | 6·28 | 2·94 | +3·34 | 2·00 | 3·04 |
| Bihar. | Patna ... | Patna ... | Nil | 0·19 | —0·19 | 0·00 | 0·33 | Nil | 1·23 | —1·23 | 0·00 | 1·33 |
| | | Gaya ... | Nil | 0·20 | —0·20 | 0·00 | 0·35 | Nil | 0·98 | —0·98 | 0·00 | 1·36 |
| | | Shahabad ... | Nil | 0·35 | —0·35 | 0·00 | 0·39 | Nil | 1·45 | —1·45 | 0·00 | 1·39 |
| | Tirhut ... | Saran ... | Nil | 0·18 | —0·18 | 0·00 | 0·28 | Nil | 1·20 | —1·20 | 0·00 | 0·90 |
| | | Champaran ... | Nil | 0·11 | —0·11 | 0·00 | 0·20 | Nil | 0·79 | —0·79 | 0·00 | 0·80 |
| | | Muzaffarpur ... | Nil | 0·11 | —0·11 | 0·00 | 0·28 | Nil | 0·96 | —0·96 | 0·00 | 0·99 |
| | | Darbhanga ... | Nil | 0·11 | —0·11 | 0·00 | 0·21 | Nil | 0·84 | —0·84 | 0·00 | 0·91 |
| | Bhagalpur ... | Monghyr ... | Nil | 0·09 | —0·09 | 0·00 | 0·20 | 0·08 | 1·04 | —0·96 | 0·17 | 1·10 |
| | | Bhagalpur ... | Nil | 0·07 | —0·07 | 0·00 | 0·18 | 0·03 | 0·98 | —0·95 | 0·29 | 1·07 |
| | | Darjeeling ... | 0·09 | 0·31 | —0·22 | 0·40 | 0·77 | 0·60 | 1·93 | —1·33 | 2·20 | 2·33 |
| | | Purnea ... | Nil | 0·07 | —0·07 | 0·00 | 0·16 | 0·21 | 0·90 | —0·69 | 0·80 | 0·98 |
| | | Sonthal Parganas. | Nil | 0·28 | —0·28 | 0·00 | 0·46 | 0·31 | 1·49 | —1·18 | 0·50 | 1·56 |
| Orissa. | Orissa ... | Sambalpur ... | Nil | 0·42 | —0·42 | 0·00 | 1·00 | 0·06 | 1·02 | —0·96 | 0·00 | 4·00 |
| | | Angul ... | Nil | 1·09 | —1·09 | 0·00 | 1·93 | 1·03 | 2·58 | —1·55 | 1·00 | 4·69 |
| | | Cuttack ... | Nil | 1·67 | —1·67 | 0·00 | 1·73 | 1·98 | 4·00 | —2·02 | 1·88 | 4·41 |
| | | Balasore ... | 0·07 | 1·21 | —1·14 | 0·20 | 1·42 | 1·68 | 3·14 | —1·46 | 2·20 | 3·62 |
| | | Puri ... | 0·07 | 2·30 | —2·23 | 0·25 | 2·14 | 2·66 | 5·38 | —2·72 | 1·97 | 5·14 |
| Chota Nagpur. | Chota Nagpur | Hazaribagh ... | Nil | 0·31 | —0·31 | 0·00 | 0·53 | Nil | 1·41 | —1·41 | 0·00 | 1·55 |
| | | Ranchi ... | Nil | 0·38 | —0·38 | 0·00 | 0·59 | Nil | 1·21 | —1·21 | 0·00 | 2·01 |
| | | Palamau ... | Nil | 0·29 | —0·29 | 0·00 | 0·62 | Nil | 1·38 | —1·38 | 0·00 | 1·72 |
| | | Manbhum ... | Nil | 0·31 | —0·31 | 0·00 | 0·62 | 0·14 | 1·33 | —1·19 | 0·00 | 1·92 |
| | | Singhbhum ... | Nil | 0·42 | —0·42 | 0·00 | 0·66 | 0·28 | 1·38 | —1·10 | 0·57 | 2·36 |

## SUMMARY OF RAINFALL OBSERVATIONS TAKEN IN BENGAL DURING THE MONTH OF NOVEMBER 1909.

During the month of November light scattered showers fell in Burdwan, Birbhum Bankura, Midnapore, Hooghly, Howrah, 24-Parganas, Calcutta, Nadia, Murshidabad, Jessore, Khulna, Darjeeling, Balasore and Puri ; but in all cases the fall was much below the average. In the other districts of the Province there was practically no rain. On an average South-West Bengal received only 0·08 and Orissa 0·03 inch of rain. There was no rain whatever in Bihar and Chota Nagpur. Expressed in percentage figures, the total rainfall from January to November was 116 per cent. in South-West Bengal, 100 per cent. in Bihar, 94 per cent. in Orissa and 88 per cent. in Chota Nagpur.

The following table compares the rainfall in the four divisions during the month of November with the normal fall, the actual being given as a percentage of the normal. The table also shows the actual falls for each of the previous months of the year expressed in the same way, and the last column of the table shows the total rainfall of the past eleven months of the year 1909:—

| Meteorological Divisions. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October | November. | Actual rainfall of first eleven months of 1909 expressed as a percentage of the normal fall for the period. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South-West Bengal | 61 | 17 | 1 | 308 | 82 | 126 | 76 | 180 | 100 | 82 | 13 | 116 |
| Bihar .. | 41 | 44 | 0 | 457 | 39 | 180 | 75 | 112 | 76 | 88 | 0 | 100 |
| Orissa ... | 31 | 179 | 10 | 411 | 95 | 130 | 146 | 80 | 103 | 29 | 2 | 94 |
| Chota Nagpur ... | 208 | 182 | 7 | 309 | 45 | 96 | 68 | 95 | 104 | 20 | 0 | 88 |

The following table gives the Summary of the Rainfall data of each of the four Meteorological Divisions of the Province of Bengal for the month of November 1909:—

| Meteorological Divisions. | Rainfall of month. | | | Rainy days. | | | Since 16th October 1909. | |
|---|---|---|---|---|---|---|---|---|
| | Average. | Normal average. | Variation | Average number in month. | Normal average number in month | Variation. | Average. | Normal average. |
| South-West Bengal ... | 0·08 | 0·64 | —0·56 | 0·27 | 0·81 | —0·54 | 1·86 | 2·12 |
| Bihar ... ... | Nil | 0·18 | —0·18 | 0·00 | 0·31 | —0·31 | 0·69 | 1·15 |
| Orissa ... ... | 0·03 | 1·72 | —1·69 | 0·10 | 1·76 | —1·66 | 1·77 | 4·15 |
| Chota Nagpur ... | Nil | 0·35 | —0·35 | 0·00 | 0·61 | —0·61 | 0·08 | 1·54 |

CALCUTTA,
*The 13th December 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th December 1909.**

| Month. | Date. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb | Vapour tension. | Dew point | Humidity. | Wind. Prevailing direction. | Miles recorded | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Dec. | 5th | No instrument. | 29·825 | 66·1 | 67·8 | 3·7 | 64·1 | 64·3 | 0·581 | 63·2 | 91 | NE ENE and NNE | 167 | 0·31 | Cloudy, o, d, g. |
| ,, | 6th | | ·856 | 68·0 | 77·9 | 13·3 | 64·6 | 64·0 | ·520 | 60·0 | 77 | N and NNW ... | 183 | 0·34 | Partially cloudy. |
| ,, | 7th | | ·961 | 64·9 | 78·0 | 21·1 | 56 9 | 59·1 | ·428 | 54·6 | 73 | NNW and N by W | 74 | Nil | Clear, ⌓. |
| ,, | 8th | | ·991 | 62·5 | 77·5 | 24·0 | 53·5 | 56·8 | ·389 | 52·0 | 73 | N ... | 59 | Nil | Clear, ⌓. |
| ,, | 9th | | ·960 | 61 9 | 76·3 | 23·2 | 53·1 | 56·8 | ·398 | 52 6 | 75 | N ... | 43 | Nil | Clear, |
| ,, | 10th | | 969 | 62·3 | 77·7 | 25 5 | 52·2 | 56·6 | ·386 | 51 8 | 73 | N and N by E ... | 35 | Nil | Clear, ⌓. |
| ,, | 11th | | ·978 | 61·6 | 77·0 | 24·5 | 52·5 | 55 7 | ·366 | 50 3 | 71 | N by E and NNW | 41 | Nil | Clear, ⌓. |

| | |
|---|---|
| The mean pressure of the seven days ... ... ... ... | Inches. 29·931 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 30·023 |
| The total number of hours of bright sunshine ... ... ... | Hours. 7 |
| The maximum possible number of hours of sunshine ... ... ... | 75·3 |
| The mean temperature of the seven days ... ... ... ... | 63·9 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 68 9 |
| The extreme variation of temperature ... ... ... ... | —25·8 |
| The maximum temperature ... ... ... ... ... | —78·0 |
| The highest velocity of the wind in one hour ... ... ... | Miles. —13 |
| The mean relative humidity ... ... ... ... ... | 76 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| The total fall of rain from 5th to 11th December 1909 ... ... | Inches. 0·65 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 0·03 |
| The total fall from 1st January to 11th December 1909 ... ... | 72 22 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 65·22 |

The mean pressure, temperature, etc., are deduced from the traces of the Barograph and Thermograph, and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

⌓, dew; o, overcast; d, drizzling rain; g, gloomy.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 13th December 1909.*

C. W. PEAKE,
for *Director-General of Observatories.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EAST INDIAN RAILWAY.

*Approximate Return of traffic for week ended 27th November 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. (a) | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week .. | 554,373 | 5,10,239 0 0 | 6,733,568 0 | 1,141,372 0 0 | 41,109 0 0 | 16,92,740 0 0 | 158,168 | 188,049 | 346,217 |
| Or per mile of railway .. | | 222 9 0 | ... | 497 13 5 | 17 14 11 | 738 5 4 | ... | ..... | ..... |
| For previous 20¾ weeks of half-year | *10,275,813 | *90,52,703 0 0 | †122,825,239 0 | †19,193,548 0 0 | ‡7,72,630 0 0 | 2,90,18,881 0 0 | §3,268,770 | §3,402,264 | 6,672,034 |
| Total for 21¼ weeks ... | 10,830,186 | 95,62,942 0 0 | 129,558,805 0 | 2,03,34,920 0 0 | 8,13,739 0 0 | 3,07,11,621 0 0 | 3,427,938 | 3,590,313 | 7,018,251 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year. | 455 839 | 4,36,138 6 1 | 6,845,279 10 | 11,67,264 12 4 | 49,555 15 6 | 16,52 959 1 11 | 166,663 | 206,112 | 372,715 |
| Per mile of railway corresponding week of previous year | ... | 190 4 1 | .... | 509 3 1 | 21 9 11 | 721 1 1 | ..... | ..... | ..... |
| Total for corresponding 21¼ weeks of previous year | 10,593,663 | 93,36,722 2 8 | 150,625,240 10 | 2,28,60,919 2 5 | 9,39,074 12 5 | 3,31,36,716 1 6 | 3,503,785 | 4,556,124 | 8,059,909 |

(a) The increase is due to greater movements of pilgrims and running of special train.

* Added No. of passengers 126,613 and Rs. 1,24,033 } On account of difference between the Approximate and Audited figures for the month of September 1909.
† Do. Mds. 13,85,437 and " 1,26,422
‡ Deducted " 16,326
§ Audited figures up to September 1909.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *2,292·65 | For the month of July .. | 2,235,290 | 18,66,432 | 25,783,647 | 41,[illegible],948 | 1,78,205 | 62,43,645 | 2,733 | 1,463,513 | 4 4 3 |
| *2,292·65 | " " of Aug. ... | 2,144,211 | 17,96,941 | 26,794,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| *2,292·65 | " " of Sept ... | 2,252,330 | 18,49,349 | 26,325,050 | 3[illegible],68,902 | 1,76,199 | 59,93,452 | 2,614 | 1,396,664 | 4 5 2 |
| 2,292·65 | First 2 days of Oct. ... | 157,962 | 1,51,621 | 1,053,817 | 3,03,019 | 11,501 | 4,66,221 | 203 | 88,890 | 5 3 11 |
| 2,292·65 | Week ended 9th " ... | 520,387 | 5,28,744 | 6,272,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | " " 16th " ... | 519,548 | 5,17,781 | 6,786,544 | 10,77,580 | 35,137 | 16,30,498 | 711 | 329,565 | 4 14 11 |
| 2,292·65 | " " 23rd " ... | 508,626 | 4,76,674 | 5,641,699 | 9,19,364 | 35,137 | 14,3[illegible],175 | 634 | 326,707 | 4 4 0 |
| 2,292·65 | " " 30th " ... | 508,479 | 4,76,749 | 5,475,335 | 9,01,866 | 35,137 | 14,13,752 | 617 | 336,040 | 4 9 11 |
| 2,292·65 | " " 6th Nov. ... | 495,327 | 4,71,929 | 6,017,558 | 10,24,355 | 35,137 | 15,31,921 | 648 | 333,635 | 4 9 5 |
| 2,292·65 | " " 13th " ... | 445,95[illegible] | 4,33,389 | 6,626,117 | 10,84,773 | 35,137 | 15,53,299 | 678 | 351,849 | 4 6 8 |
| 2,292·65 | " " 20th " ... | 493,060 | 4,[illegible]4,134 | 6,240,97[illegible] | 10,16,213 | 35,137 | 15,35,484 | 670 | 340,553 | 4 8 2 |
| 2,292·65 | " " 27th " ... | 554,373 | 5,10,239 | 6,733,568 | 11,41,372 | 41,109 | 16,92,740 | 738 | 346,217 | 4 14 3 |
| | Totals up to date | 10,830,186 | 95,62,942 | 129,558,805 | 2,03,34,920 | 8,13,739 | 3,07,11,621 | 625 | 7,018,251 | 4 6 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* 1908

| | | No. of passengers | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,250,812 | 19,51,778 | 31,267,198 | 46,57,933 | 1,80,144 | 67,89,855 | 2,962 | 1,637,563 | 4 0 5 |
| 2,292·38 | " " of Aug. ... | 2,165,707 | 18,03,317 | 32,917,766 | 48,48,313 | 1,92,702 | 68,44,332 | 2,899 | 1,674,995 | 3 15 6 |
| 2,292·38 | " " of Sept. .. | 2,129,297 | 18,78,502 | 30,0[illegible]1,483 | 44,24,723 | 1,98,[illegible]2 | 64,94,477 | 2,834 | 1,596,588 | 4 1 1 |
| 2,292·38 | First 6 days of Oct. ... | 216,518 | 2,03,958 | 2,321,284 | 4,30,015 | 19,721 | 6,54,294 | 285 | 157,510 | 4 2 8 |
| 2,292·38 | Week ended 10th " ... | 459,959 | 4,04,361 | 5,483,929 | 9,[illegible],022 | 35,457 | 14,01,440 | 611 | 358,412 | 3 14 7 |
| 2,292·38 | " " 17th " ... | 442,469 | 4,08,844 | 7,469,085 | 11,03,703 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | " " 24th " ... | 448,138 | 3,97,844 | 6,498,009 | 10,[illegible]4,122 | 48,134 | 15,40,400 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | " " 31st " ... | 433,677 | 4,02,104 | 6,165,599 | 10,32,975 | 40,418 | 14,75,495 | 644 | 366,960 | 4 0 4 |
| 2,292·38 | " " 7th Nov. ... | 540,635 | 4,96,375 | 6,975,157 | 10,90,350 | 37,114 | 16,13,[illegible]39 | 704 | 359,837 | 4 7 9 |
| 2,292·38 | " " 14th " ... | 509,[illegible]50 | 5,01,122 | 6,707,070 | 10,98,847 | 52,416 | 16,52,385 | 721 | 358,980 | 4 9 8 |
| 2,292·38 | " " 21st " ... | 472,308 | 4,53,38[illegible] | 6,617,221 | 10,09,051 | 56,086 | 16,[illegible]8,718 | 708 | 372,261 | 4 5 2 |
| 2,292·38 | " " 28th " ... | 456,699 | 4,[illegible]6,138 | 6,845,279 | 11,67,265 | 49,556 | 16,52,959 | 721 | 372,715 | 4 7 0 |
| | Totals up to date ... | 10,593,663 | 93,36,722 | 150,625,240* | 2,28,60,919 | 9,39,075 | 3,31,36,716 | 679 | 8,059,909 | 4 1 9 |

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 27th November 1909 on 22·21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 22,081 | 4,993 0 0 | 55,202 0 | 1,220 0 0 | 9 0 0 | 6,222 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway | | 224 12 11 | ... | 54 14 11 | 0 6 6 | 280 2 4 | | | |
| For previous 20½ weeks of half-year | 458,065* | 1,03,069 0 0* | 897,561 0† | 17,286 0 0† | 202 0 0‡ | 1,20,557 0 0 | 27,334§ | 3,254§ | 30,588 |
| Total for 21½ weeks ... | 480,744 | 1,08,062 0 0 | 952,763 0 | 18,506 0 0 | 211 0 0 | 1,26,779 0 0 | 28,671 | 3,413 | 32,084 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... .. ... | 20,934 | 4,491 2 11 | 24,797 30 | 852 13 0 | 12 6 9 | 5,356 6 8 | 1,335 | 159 | 1,494 |
| Per mile of railway corresponding week of previous year ... | ... | 202 3 5 | ... | 38 6 4 | 0 9 0 | 241 2 9 | ... | ... | — |
| Total for corresponding 21½ weeks of previous year ... .. ... | 498,352 | 1,12,982 7 3 | 850,249 0 | 14,592 0 0 | 149 8 0 | 1,27,723 15 3 | 29,206 | 3,497 | 32,703 |

* Added No. of passengers 1,903 and deducted Rs. 1,136 } On account of difference between the approximate and audited figures for the month of September 1909.
† Do. Mds. 1,03,854 and do. „ 284
‡ Deducted ... ... ... „ 23
§ Audited figures up to September 1909.

1909. *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July .. | 105,236 | 24,205 | 77,616 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| *22·21 | „ „ August ... | 80,930 | 18,549 | 286,923 | 4,500 | 34 | 23,083 | 1,039 | 6,632 | 3 7 9 |
| *22·21 | „ „ Sept. ... | 92,535 | 19,450 | 194,173 | 2,219 | 37 | 21,736 | 979 | 6,614 | 3 6 2 |
| 22·21 | First 2 days of Oct. ... | 6,427 | 1,414 | 5,113 | 138 | 4 | 1,556 | 70 | 468 | 3 10 2 |
| 22·21 | Week ended 9th „ ... | 23,434 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | „ „ 16th „ ... | 22,630 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | „ „ 23rd „ ... | 22,877 | 4,932 | 16,268 | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| 22·21 | „ „ 30th „ ... | 27,191 | 5,935 | 73,356 | 1,454 | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| 22·21 | „ „ 6th Nov. .. | 28 584 | 7,636 | 82,593 | 1,995 | 8 | 9,639 | 434 | 1,496 | 6 7 1 |
| 22·21 | „ „ 13th „ ... | 25,169 | 5,219 | 64,803 | 1,582 | 8 | 6,809 | 307 | 1,496 | 4 8 10 |
| 22·21 | „ „ 20th „ ... | 23,952 | 4,967 | 53,806 | 926 | 8 | 5,901 | 266 | 1,496 | 3 15 1 |
| 22·21 | „ „ 27th „ ... | 22,081 | 4,993 | 55,202 | 1,220 | 9 | 6,222 | 280 | 1,496 | 4 2 7 |
| | Totals up to date | 480,744 | 108,062 | 952,763 | 18,506 | 211 | 1,26,779 | 285 | 32,084 | 3 15 3 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908.

| | | No. of passengers. | Rs | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... | 119,291 | 27,165 | 102,569 | 2,093 | 30 | 29,288 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | „ „ August ... | 87,449 | 20,919 | 101,442 | 1,885 | 35 | 22,839 | 1,006 | 6,836 | 3 4 3 |
| 22·21 | „ „ Sept. ... | 89,837 | 20,199 | 274,948 | 3,039 | 22 | 23,260 | 1,047 | 6,565 | 3 8 8 |
| 22·21 | First 3 days of Oct. ... | 10,977 | 2,714 | 5,985 | 258 | 3 | 2,975 | 134 | 640 | 4 10 4 |
| 22·21 | Week ended 10th „ ... | 23,199 | 5,130 | 119,206 | 1,111 | 13 | 6,254 | 284 | 1,498 | 4 2 10 |
| 22·21 | „ „ 17th „ ... | 21,798 | 4,611 | 26,971 | 877 | 1 | 5,489 | 247 | 1,496 | 3 10 8 |
| 22·21 | „ „ 24th „ ... | 23,373 | 5,012 | 21,097 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·22 | „ „ 31st „ ... | 23,941 | 5,051 | 22,984 | 766 | 10 | 5,827 | 263 | 1,494 | *3 14 5 |
| 22·21 | „ „ 7th Nov. ... | 28,453 | 7,152 | 94,155 | 932 | 9 | 8,093 | 364 | 1,494 | 5 6 8 |
| 22·21 | „ „ 14th „ ... | 29,062 | 6,039 | 26,155 | 1,284 | 7 | 7,330 | 328 | 1,498 | 4 13 6 |
| 22·21 | „ „ 21st „ ... | 21,125 | 4,499 | 25,939 | 1,100 | 1 | 5,600 | 252 | 1,496 | 3 11 10 |
| 22·21 | „ „ 28th „ ... | 20,934 | 4,491 | 24,798 | 852 | 13 | 5,356 | 241 | 1,494 | 3 9 4 |
| | Totals up to date ... | 498,352 | 112,982 | 850,249 | 14,592 | 150 | 1,27,724 | 267 | 32,703 | 3 14 6 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY.

*Approximate Return of Traffic for the week ended 27th November 1909, on 162·36 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... .. | 35,103 | 33,951 0 0 | 365,396 0 | 31,788 0 0 | 133 0 0 | 65,872 0 0 | 10,304 | 4,558 | 14,952 |
| Or per mile of railway ... .. | .. ... | 209 1 9 | .... | 195 12 7 | 0 13 1 | 405 11 5 | ... | ... .. | ... |
| For previous 20¾ weeks of half-year | 565,031* | 5,16,448 0 0* | 4,181,650 0† | 3,29,783 0 0† | 2,430 0 0‡ | 8,48,661 0 0‡ | 209,778§ | 67,846§ | 277,624 |
| Total for 21¾ weeks . | 600,134 | 5,50,399 0 0 | 4,547,046 0 | 3,61,571 0 0 | 2,563 0 0 | 9,14,533 0 0 | 220,172 | 72,404 | 292,576 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of of previous year. | 23,756 | 19,032 9 9 | 288,307 0 | 23,722 2 0 | 31 4 9 | 42,786 0 6 | 12,212 | 3,939 | 16,151 |
| Per mile of railway corresponding week of previous year. | .... | 117 9 7 | ..... | 146 1 9 | 0 3 1 | 263 8 5 | ... .. | ..... | ... |
| Total for corresponding 21¾ weeks of previous year. | 561,977 | 4,64,002 12 0 | 5,206,825 20 | 3,74,915 8 5 | 1,053 13 0 | 8,39,990 1 5 | 258,997 | 94,847 | 353,844 |

*Deducted No. of passengers 9,420 and added Rs. 9,446
†Added Mds. 1,41,575 and, „ 4,508
‡ Do. „ 41
} On account of difference between the approximate and audited figures for the month of September 1909.
§ Audited figures up to September 1909.

*1909* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railways | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July | 131,940 | 1,03,184 | 7,22,057 | 51,045 | 576 | 1,54,845 | 954 | 57,654 | 2 11 0 |
| *162·36 | „ „ of Aug. ... | 126,7 7 | 1,00,166 | 7,96,097 | 59,545 | 475 | 1,60,1 6 | 987 | 56,345 | 2 11 11 |
| *162·36 | „ „ of Sept. | 106,889 | 1,03,460 | 8,22,030 | 61,970 | 570 | 1,66,000 | 1,022 | 58,134 | 2 13 8 |
| 162·36 | First 2 days of Oct. ... | 8,530 | 6,589 | 82,093 | 5,744 | 37 | 12,370 | 76 | 4,782 | 2 9 5 |
| 162·36 | Week ended 9th „ .. | 26,633 | 22,838 | 2,01,088 | 19,244 | 130 | 42,312 | 260 | 13,816 | 3 0 11 |
| 162·36 | „ „ 16th „ ... | 24,737 | 23,490 | 293,154 | 23,009 | 107 | 46,606 | 287 | 13,518 | 3 7 2 |
| 162·36 | „ „ 23rd „ ... | 25,695 | 29,530 | 2,50,299 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| 162·36 | „ „ 30th „ ... | 27,673 | 28,902 | 2,14,523 | 19,727 | 107 | 48,736 | 300 | 14,163 | 3 7 7 |
| 162·36 | „ „ 6th Nov. ... | 30,642 | 37,060 | 2,75,464 | 22,575 | 107 | 59,742 | 368 | 13,338 | 4 5 1 |
| 162·36 | „ „ 13th ... | 25,600 | 27,505 | 2,76,671 | 23,151 | 107 | 50,763 | 313 | 14,627 | 3 7 6 |
| 162·36 | „ „ 20th „ ... | 30,235 | 33,715 | 2,57,374 | 22,056 | 107 | 55,878 | 344 | 14,417 | 3 14 0 |
| 162·36 | „ „ 27th „ ... | 35,103 | 33,951 | 3,65,396 | 31,788 | 133 | 65,872 | 406 | 14,952 | 4 6 0 |
| | Totals up to date ... | 600,134 | 5,50,390 | 4,547,046 | 3,61,571 | 2,563 | 9,14,533 | 263 | 292,576 | 3 2 0 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concld.* *1908*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 135,760 | 94,528 | 9,90,656 | 63,934 | 171 | 1,58,633 | 977 | 71,646 | 2 3 5 |
| 162·36 | „ „ of Aug. ... | 126,667 | 91,505 | 8,88,368 | 64,140 | 164 | 1,55,809 | 960 | 70,852 | 2 3 4 |
| 162·36 | „ „ of Sept. | 97,415 | 82,762 | 9,35,150 | 65,909 | 209 | 1,48,839 | 916 | 69,437 | 2 2 3 |
| 162·36 | First 3 days of Oct. ... | 10,262 | 9,590 | 1,14,338 | 7,862 | 26 | 17,478 | 108 | 7,218 | 2 6 9 |
| 162·36 | Wee ended 10th „ ... | 23,898 | 18,736 | 3,16,004 | 23,775 | 65 | 42,576 | 262 | 16,415 | 2 9 6 |
| 162·36 | „ „ 17th „ ... | 24,458 | 21,500 | 3,02,372 | 19,748 | 76 | 41,324 | 255 | 17,269 | 2 6 3 |
| 162·36 | „ „ 24th „ ... | 21,414 | 23,588 | 2,42,632 | 18,050 | 40 | 40,678 | 251 | 16,398 | 2 7 8 |
| 162·36 | „ „ 31st „ ... | 22,136 | 20,623 | 3,28,527 | 23,101 | 54 | 43,776 | 276 | 17,073 | 2 9 0 |
| 162·36 | „ „ 7th Nov. ... | 26,905 | 25,811 | 2,80,628 | 22,805 | 55 | 48,671 | 300 | 16,781 | 2 14 5 |
| 162·36 | „ „ 14th „ ... | 25,109 | 26,652 | 2,65,867 | 20,046 | 75 | 46,773 | 288 | 17,352 | 2 11 5 |
| 162·36 | „ „ 21st „ ... | 26,202 | 30,693 | 2,58,977 | 22,023 | 90 | 52,806 | 325 | 17,362 | 3 0 8 |
| 162·36 | „ „ 28th „ ... | 23,756 | 19,033 | 2,88,307 | 23,722 | 31 | 42,786 | 264 | 16,151 | 2 10 5 |
| | Totals up to date ... | 561,977 | 4,64,021 | 52,06,826 | 3,74,915 | 1,054 | 8,39,990 | 240 | 353,844 | 2 6 0 |

* Audited figures.

## EAST INDIAN RAILWAY.

*Approximate Return of Traffic for week ended 4th December 1909 on 2,292·65 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 53,167 | 4,94,644 0 0 | 6,543,037 0 | 10,68,491 0 0 | 41,109 0 0 | 16,04,244 0 0 | 158,076 | 186,492 | 344,568 |
| Or per mile of railway ... ... | ... | 215 12 0 | ... | 466 0 10 | 17 14 11 | 699 11 9 | ... | ... | ... |
| For previous 21¾ weeks of half-year | 10,830,186 | 95,62,962 0 0 | 129,558,805 0 | 2,03,34,920 0 0 | 8,13,739 0 0 | 3,07,11,621 0 0 | 3,427,938 | 3,590,313 | 7,018,251 |
| Total for 22¾ weeks ... | 11,365,353 | 1,00,57,606 0 0 | 136,101,842 0 | 2,14,03,411 0 0 | 8,54,848 0 0 | 3,23,15,865 0 0 | 3,586,014 | 3,776,805 | 7,362,819 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year ... | 462,239 | 4,31,109 10 5 | 7,175,503 30 | 11,29,552 5 6 | 65,098 8 9 | 16,16,820 8 8 | 163,599 | 210,192 | 373,791 |
| Per mile of railway corresponding week of previous year ... ... | ... | 188 1 5 | ... | 492 11 10 | 24 7 7 | 705 4 10 | | ... | ... |
| Total for corresponding 22¾ weeks of previous year ... ... ... | 11,055,002 | 97,67,891 13 1 | 158,060,744 0 | 2,39,90,471 7 11 | 9,95,173 5 2 | 3,47,53,536 16 2 | 3,667,394 | 4,766,316 | 8,433,700 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate Rs. A. P. |
| *2,292·65 | For the month of July ... | 2,235,290 | 18,66,432 | 25,785,647 | 41,95,948 | 1,78,265 | 62,43,645 | 2,723 | 1,463,513 | 4 4 3 |
| *2,292·65 | ,, ,, of Aug. ... | 2,144,211 | 17,96,901 | 25,794,949 | 36,65,416 | 1,55,607 | 56,17,924 | 2,450 | 1,411,021 | 3 15 8 |
| *2,292·65 | ,, ,, of Sept. ... | 2,255,330 | 18,48,349 | 26,325,950 | 33,68,902 | 1,76,181 | 53,93,432 | 2,614 | 1,336,664 | 4 5 2 |
| 2,292·65 | First 2 days of Oct. ... | 157,962 | 1,51,621 | 1,053,837 | 3,07,099 | 11,501 | 4,66,221 | 203 | 88,850 | 5 3 11 |
| 2,292·65 | Week ended 9th ,, ... | 520,387 | 5,28,744 | 6,272,625 | 10,33,132 | 40,254 | 16,02,130 | 699 | 322,557 | 4 15 6 |
| 2,292·65 | ,, ,, 16th ,, ... | 519,546 | 5,17,781 | 6,786,544 | 10,77,550 | 35,137 | 16,30,498 | 711 | 330,565 | 4 14 11 |
| 2,292·65 | ,, ,, 23rd ,, ... | 508,623 | 4,76,674 | 6,645,699 | 9,19,364 | 35,137 | 14,31,175 | 624 | 336,707 | 4 4 0 |
| 2,292·65 | ,, ,, 30th ,, ... | 503,979 | 4,76,749 | 6,475,335 | 9,01,836 | 35,137 | 14,13,752 | 617 | 306,060 | 4 9 11 |
| 2,292·65 | ,, ,, 6th Nov. ... | 495,327 | 4,71,929 | 6,017,558 | 10,24,255 | 35,137 | 15,31,321 | 668 | 333,635 | 4 9 5 |
| 2,292·65 | ,, ,, 13th ,, | 445,095 | 4,33,389 | 6,526,177 | 10,84,773 | 35,137 | 15,53,299 | 678 | 351,849 | 4 6 8 |
| 2,292·65 | ,, ,, 20th ,, ... | 494,060 | 4,84,154 | 6,240,958 | 10,16,213 | 35,137 | 15,35,484 | 670 | 340,553 | 4 8 2 |
| 2,292·65 | ,, ,, 27th ,, ... | 554,373 | 5,10,259 | 6,733,558 | 11,41,372 | 41,109 | 16,92,740 | 738 | 346,217 | 4 14 3 |
| 2,292·65 | ,, ,, 4th Dec. ... | 535,167 | 4,94,644 | 5,643,037 | 10,68,491 | 41,109 | 16,04,244 | 700 | 344,568 | 4 10 6 |
| | Totals up to date ... | 11,365,353 | 1,00,57,606 | 136,101,842 | 2,14,03,411 | 8,54,848 | 3,23,15,865 | 628 | 7,362,819 | 4 6 3 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,292·38 | For the month of July ... | 2,359,512 | 19,51,778 | 31,287,198 | 46,57,933 | 1,80,144 | 67,89,855 | 2,962 | 1,687,563 | 4 0 5 |
| 2,292·38 | ,, ,, of Aug. ... | 2,165,707 | 18,03,317 | 32,917,706 | 46,48,813 | 1,92,702 | 66,44,842 | 2,899 | 1,674,985 | 3 15 6 |
| 2,292·38 | ,, ,, of Sept. ... | 2,149,397 | 14,78,502 | 30,031,433 | 44,24,723 | 193,252 | 64,96,477 | 2,834 | 1,596,888 | 4 1 1 |
| 2,292·38 | First 3 days of Oct. ... | 216,518 | 2,03,958 | *2,821,294 | 4,30,615 | 19,721 | 6,54,294 | 285 | 157,510 | 4 2 6 |
| 2,292·38 | Week ended 10th ,, ... | 459,959 | 4,04,361 | 6,488,929 | 9,61,622 | 35,457 | 14,01,440 | 611 | 358,413 | 3 14 7 |
| 2,292·38 | ,, ,, 17th ,, ... | 428,469 | 4,08,844 | 7,469,685 | 11,63,704 | 33,475 | 16,06,022 | 701 | 379,782 | 4 3 8 |
| 2,292·38 | ,, ,, 24th ,, ... | 422,132 | 3,97,844 | 6,498,909 | 10,94,422 | 48,134 | 15,40,400 | 672 | 374,287 | 4 1 10 |
| 2,292·38 | ,, ,, 31st ,, ... | 423,877 | 4,02,102 | 6,166,599 | 10,32,975 | 40,418 | 14,75,495 | 644 | 366,969 | 4 0 4 |
| 2,292·38 | ,, ,, 7th Nov. ... | 530,635 | 4,96,375 | 6,975,157 | 10,80,350 | 37,114 | 16,13,839 | 704 | 359,857 | 4 7 9 |
| 2,292·38 | ,, ,, 14th ,, ... | 529,360 | 5,01,122 | 6,707,670 | 10,98,347 | 54,416 | 16,52,385 | 721 | 358,980 | 4 9 8 |
| 2,292·38 | ,, ,, 21st ,, ... | 472,208 | 4,62,341 | 6,617,221 | 10,99,651 | 55,686 | 16,08,718 | 702 | 372,261 | 4 5 2 |
| 2,292·38 | ,, ,, 28th ,, ... | 455,899 | 4,36,138 | 6,815,279 | 11,67,215 | 49,556 | 16,52,959 | 721 | 372,715 | 4 7 0 |
| 2,292·38 | ,, ,, 5th Dec. ... | 462,239 | 4,31,170 | 7,175,504 | 11,29,552 | 56,099 | 16,16,821 | 705 | 373,791 | 4 5 2 |
| | Totals up to date ... | 11,055,002 | 97,67,894 | 158,060,744 | 2,39,90,471 | 9,95,174 | 3,47,53,537 | 672 | 8,433,700 | 4 1 11 |

* Audited figures.

## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 4th December 1909. 21 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. | Rs. A. P. | | | |
| Total traffic for the week ... | 23,319 | 6,463 0 0 | 46,995 0 | 935 0 0 | | 7,407 0 0 | 1,337 | 159 | 1,496 |
| Or per mile of railway ... | ..... | 290 15 11 | ..... | 42 1 7 | | 333 8 0 | ..... | ..... | ..... |
| For previous 21¾ weeks of half-year | 480,744 | 1,08,062 0 0 | 9,52,763 0 | 18,506 0 0 | | 1,26,779 0 0 | 28,671 | 3,413 | 32,084 |
| Total for 22¾ weeks ... | 504,063 | 1,14,525 0 0 | 9,99,758 0 | 19,441 0 0 | 0 | 1,34,186 0 0 | 30,008 | 3,572 | 33,580 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year. | 19,135 | 4,893 10 6 | 14,782 20 | 554 0 0 | 14 0 | 5,457 8 6 | 1,338 | 160 | 1,498 |
| Per mile of railway corresponding week of previous year. | ..... | 220 5 [illegible] | ..... | 24 15 1 | 0 7 1 | 245 11 7 | ..... | ..... | ..... |
| Total for corresponding 22¾ weeks of previous year. | 517,517 | 1,17,876 1 9 | 8,65,031 20 | 15,146 0 0 | 59 6 0 | 1,33,181 7 9 | 30,544 | 3,657 | 34,201 |

## TARKESSUR BRANCH RAILWAY—*concluded.*

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| 1909. Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *22·21 | Month of July ... | 105,236 | 24,205 | 77,618 | 2,298 | 65 | 26,568 | 1,196 | 6,642 | 4 0 0 |
| *22·21 | ,, ,, Aug. ... | 80,930 | 18,549 | 2,80,929 | 4,500 | 34 | 23,083 | 1,039 | 6,624 | 3 7 9 |
| *22·21 | ,, ,, Sept. ... | 92,535 | 19,450 | 1,94,173 | 2,240 | 37 | 21,736 | 979 | 6,624 | 3 6 2 |
| 22·21 | First 2 days of Oct. ... | 6,425 | 1,414 | 5,113 | 138 | 4 | 1,556 | 70 | 428 | 3 10 2 |
| 22·21 | Week ended 9th ,, ... | 23,334 | 6,261 | 18,554 | 699 | 14 | 6,974 | 314 | 1,496 | 4 10 7 |
| 22·21 | ,, ,, 16th ,, ... | 22,630 | 4,501 | 24,356 | 961 | 8 | 5,470 | 246 | 1,496 | 3 10 6 |
| 22·21 | ,, ,, 23rd ,, ... | 22,977 | 4,932 | 16,26[illegible] | 484 | 8 | 5,424 | 244 | 1,496 | 3 10 0 |
| 22·21 | ,, ,, 30th ,, ... | 27,191 | 5,935 | 73,3[illegible] | 1,4[illegible] | 8 | 7,397 | 333 | 1,496 | 4 15 1 |
| 22·21 | ,, ,, 6th Nov. ... | 28,584 | 7,636 | 82,51 | 1,995 | 8 | 9,630 | 434 | 1,496 | 6 7 1 |
| 22·21 | ,, ,, 13th ,, ... | 25,169 | 5,219 | 64,8[illegible] | 1,583 | 8 | 6,809 | 307 | 1,496 | 4 8 10 |
| 22·21 | ,, ,, 20th ,, ... | 23,052 | 4,967 | 53,8[illegible] | 926 | 8 | 5,901 | 266 | 1,496 | 3 15 1 |
| 22·21 | ,, ,, 27th ,, ... | 22,681 | 4,993 | 55,[illegible] | 1,220 | 9 | 6,222 | 280 | 1,496 | 4 2 7 |
| 22·21 | ,, ,, 4th Dec. ... | 23,319 | 6,463 | 46,[illegible] | 935 | 9 | 7,407 | 334 | 1,496 | 4 15 3 |
| | Totals up to date ... | 504,063 | 1,14,525 | 9,99[illegible] | 19,441 | 220 | 1,34,186 | 260 | 33,580 | 3 15 11 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* 1908

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 22·21 | Month of July ... ... ... | 119,291 | 27,165 | 102,500 | 2,093 | 30 | 29,288 | 1,319 | 6,694 | 4 6 0 |
| 22·21 | ,, ,, Aug. ... ... | 87,449 | 20,919 | 1,01,442 | 1,385 | 35 | 22,339 | 1,006 | 6,836 | 3 4 3 |
| 22·21 | ,, ,, Sept. ... ... | 89,837 | 20,19[illegible] | 2,74,948 | 3,03[illegible] | 22 | 23,260 | 1,047 | 6,565 | 3 8 8 |
| 22·21 | First 3 days of Oct. ... | 10,977 | 2,7[illegible] | 5,985 | 358 | 3 | 2,975 | 134 | 640 | 4 10 4 |
| 22·21 | Week ended 10th ,, ... | 23,199 | 5,1[illegible] | 1,19,306 | 1,111 | 13 | 6,254 | 282 | 1,498 | 4 2 10 |
| 22·21 | ,, ,, 17th ,, ... | 21,796 | 4,1[illegible] | 26,971 | 877 | 1 | 5,180 | 247 | 1,498 | 3 10 8 |
| 22·21 | ,, ,, 24th Oct. ... | 23,278 | 5,12 | 21,0[illegible]7 | 945 | 6 | 5,963 | 268 | 1,494 | 3 15 10 |
| 22·21 | ,, ,, 31st ,, ... | 23,981 | 5,51 | 22,984 | 766 | 10 | 5,827 | 262 | 1,494 | 3 14 5 |
| 22·21 | ,, ,, 7th Nov. ... | 28,453 | 6,152 | 0[illegible],155 | 932 | 9 | 8,093 | 364 | 1,494 | 5 6 8 |
| 22·21 | ,, ,, 14th ,, ... | 28,002 | 5,039 | 26,155 | 1,234 | 7 | 7,280 | 328 | 1,498 | 4 13 8 |
| 22·21 | ,, ,, 21st ,, ... | 21,125 | 4,409 | 25,939 | 1,100 | 1 | 5,600 | 252 | 1,498 | 3 11 10 |
| 22·21 | ,, ,, 28th ,, ... | 20,934 | 4,491 | 24,798 | 852 | 13 | 5,356 | 241 | 1,494 | 3 9 4 |
| 22·21 | ,, ,, 5th ,, ... | 19,135 | 4,894 | 14,783 | 554 | 10 | 5,458 | 246 | 1,498 | 3 10 3 |
| | Totals up to date ... | 517,517 | 1,17,876 | 8,65,032* | 15,146 | 160 | 1,33,182 | 267 | 34,201 | 3 14 4 |

* Audited figures.

## DELHI-UMBALLA-KALKA RAILWAY

*Approximate Net Traffic for the week ended 4th December 1909 on 162·35 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. s. | Rs. A P. | Rs. A. P. | Rs. A P. | | | |
| Total traffic for the week ... | 30,744 | 25,448 | 395,078 0 | 28,623 0 0 | 0 0 | 54,204 0 0 | 10,502 | 4,100 | 14,602 |
| Or per mile of railway ... ... | ... | 156 | ... | 176 4 8 | 0 13 1 | 333 13 7 | .. | ... | ... |
| or previous 21½ weeks of half-year ... ... ... ... ... | 600,134 | 5,50,399 | 4,547,046 0 | 3,61,571 0 0 | 2,563 0 0 | 9,14,533 0 0 | 220,172 | 72,404 | 292,576 |
| Total for 22½ weeks . | 630,878 | 5,75,847 0 | 4,942,124 0 | 3,90,194 0 0 | 2,69 20 0 | 9,68,737 0 0 | 230,674 | 76,504 | 307,178 |
| COMPARISON | | | | | | | | | |
| otal for corresponding week of previous year ... ... | 25,666 | 20,414 0 11 | 122,555 0 | 12,817 7 0 | 41 11 6 | 33,273 3 5 | 13,410 | 4,137 | 17,547 |
| Per mile of railway corresponding week of previous year ... | ... | 125 11 9 | ... | 78 15 1 | 0 4 1 | 204 14 11 | ... | ... | ... |
| Total for corresponding 22½ weeks of previous year .. | 587,643 | 4,84,434 12 11 | 4,380 20 | 3,87,732 15 5 | 1,095 8 6 | 8,73,263 4 10 | 272,407 | 98,984 | 371,391 |

*1909.* *Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908.*

| Open mileage. | Period. | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings. | Total. | Per mile of Railway. | Train mileage. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
| *162·36 | For the month of July ... | 131,940 | 1,03,184 | 722,03 | 51,085 | 576 | 1,54,845 | 954 | 57,054 | 2 11 0 |
| *162·36 | ,, ,, of Aug. ... | 126,757 | 1,00,166 | 796,09 | 59,545 | 475 | 1,60,186 | 987 | 58,345 | 2 11 11 |
| *162·36 | ,, ,, Sept. ... | 106,889 | 103,760 | 822,03 | 61,970 | 570 | 166,000 | 1,022 | 58,134 | 2 13 8 |
| 162·36 | First 2 days of Oct. ... | 8,530 | 6,589 | 82,09 | 5,744 | 37 | 12,370 | 76 | 4,782 | 2 9 5 |
| 162·36 | Week ended 9th ,, .. | 30,633 | 22,838 | 201,09 | 15,244 | 130 | 42,212 | 260 | 13,816 | 3 0 11 |
| 162·36 | ,, ,, 16th ,, ... | 24,737 | 23,490 | 393,154 | 23,009 | 107 | 46,606 | 287 | 13,518 | 3 7 2 |
| 162·36 | ,, ,, 23rd ,, ... | 25,695 | 29,539 | 250,299 | 21,677 | 107 | 51,323 | 316 | 14,330 | 3 9 4 |
| 162·36 | ,, ,, 30th ,, ... | 27,673 | 28,802 | 214,523 | 19,727 | 107 | 48,736 | 300 | 14,163 | 3 7 7 |
| 162·36 | ,, ,, 6th Nov. ... | 30,642 | 37,060 | 275,264 | 22,575 | 107 | 59,742 | 368 | 13,838 | 4 5 1 |
| 162·36 | ,, ,, 13th ,, ... | 23,300 | 27,595 | 267,671 | 23,151 | 107 | 50,763 | 313 | 14,627 | 3 7 6 |
| 162·36 | ,, ,, 20th ,, ... | 30,235 | 33,715 | 257,374 | 22,056 | 107 | 55,878 | 344 | 14,417 | 3 14 0 |
| 162·36 | ,, ,, 27th ,, ... | 35,103 | 33,951 | 305,396 | 31,788 | 133 | 65,872 | 406 | 14,952 | 4 6 6 |
| 162·36 | ,, ,, 4th Dec. ... | 30,744 | 25,448 | 395,078 | 28,623 | 133 | 54,204 | 334 | 14,602 | 3 11 5 |
| | Totals up to date ... | 630,878 | 5,75,847 | 4,942,124 | 3,90,194 | 2,696 | 9,68,737 | 260 | 307,178 | 3 2 6 |

*Abstract of progressive weekly returns of all earnings for 1909 in comparison with 1908—concluded.* *1908.*

| | | No. of passengers. | Rs. | Mds. | Rs. | Rs. | Rs. | Rs. | No. | Rate. Rs. A. P. |
|---|---|---|---|---|---|---|---|---|---|---|
| 162·36 | For the month of July ... | 133,760 | 94,528 | 990,656 | 63,934 | 171 | 1,58,633 | 977 | 71,636 | 2 3 5 |
| 162·36 | ,, ,, of Aug. ... | 126,667 | 91,505 | 888,368 | 64,140 | 164 | 1,55,809 | 960 | 70,852 | 2 3 2 |
| 162·36 | ,, ,, of Sept. ... | 97,415 | 82,762 | 936,150 | 65,709 | 209 | 1,48,680 | 916 | 69,437 | 2 2 3 |
| 162·36 | First 3 days of Oct. ... | 10,262 | 9,590 | 114,338 | 7,862 | 26 | 17,478 | 108 | 7,218 | 2 6 9 |
| 162·36 | Week ended 10th ,, ... | 23,898 | 18,736 | 316,004 | 23,775 | 65 | 42,576 | 262 | 13,415 | 2 9 6 |
| 162·36 | ,, ,, 17th ,, ... | 24,453 | 21,500 | 302,372 | 19,748 | 76 | 41,324 | 255 | 17,269 | 2 6 3 |
| 162·36 | ,, ,, 24th ,, ... | 21,414 | 22,588 | 242,632 | 18,050 | 40 | 40,678 | 251 | 16,298 | 2 7 8 |
| 162·36 | ,, ,, 31st ,, ... | 22,136 | 20,623 | 328,527 | 23,101 | 52 | 43,776 | 270 | 17,073 | 2 9 0 |
| 162·36 | ,, ,, 7th Nov. ... | 26,905 | 25,811 | 280,628 | 22,805 | 55 | 48,671 | 300 | 16,781 | 2 14 5 |
| 162·36 | ,, ,, 14th ,, ... | 25,100 | 26,652 | 265,867 | 20,046 | 75 | 46,773 | 289 | 17,252 | 2 11 5 |
| 162·36 | ,, ,, 21st ,, ... | 26,202 | 30,693 | 253,977 | 22,023 | 90 | 52,806 | 325 | 17,362 | 3 0 8 |
| 162·36 | ,, ,, 28th ,, ... | 23,756 | 19,033 | 288,307 | 23,722 | 31 | 42,786 | 264 | 16,151 | 2 10 5 |
| *162·36 | ,, ,, 5th Dec. ... | 25,666 | 20,414 | 122,555 | 12,818 | 41 | 33,273 | 205 | 17,547 | 1 14 4 |
| | Totals up to date ... | 587,643 | 4,84,435 | 5,329,381 | 3,87,733 | 1,095 | 8,73,263 | 238 | 371,391 | 2 5 7 |

* Audited figures.

## ASSAM-BENGAL RAILWAY.

*Approximate Return of traffic for the week ended 27th November 1909 on 768 miles open for all descriptions of traffic, and an additional 3 miles for goods traffic only.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 87,000 | 60,000 0 0 | 271,000 0 | 47,500 0 0 | 4,500 0 0 | 1,12,000 0 0 | 14,907 | 16,917 | 31,824 |
| Or per mile of railway .. ... | 113·28 | 78·13 | 351·49 | 61·61 | 5·84 | 145·58 | 19·41 | 21·94 | 41·35 |
| For previous 21 weeks of half-year* ... ... ... | 1,151,449 | 6,99,330 0 0 | 6,627,908 0 | 11,01,124 0 0 | 1,12,428 0 0 | 19,12,882 0 0 | 288,753 | 419,409 | 708,162 |
| Total for 22 weeks .. | 1,238,449 | 7,59,330 0 0 | 6,898,908 0 | 11,48,624 0 0 | 116,928 0 0 | 20,24,882 0 0 | 303,660 | 436,326 | 739,986 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 65,485 | 38,392 0 0 | 396,431 0 | 51,898 0 0 | 6,210 0 0 | 96,500 0 0 | 13,671 | 24,412 | 38,083 |
| Per mile of railway corresponding week of previous year .. | 85·27 | 49·99 | 514·18 | 67·31 | 8·05 | 125·35 | 17·80 | 31·66 | 49·46 |
| Total to corresponding date of previous year ... ... ... | 1,199,027 | 7,16,812 0 0 | 7,111,835 0 | 11,03,267 0 0 | 1,22,380 0 0 | 19,42,459 0 0 | 318,402 | 445,029 | 763,431 |

* Includes audited figures up to September 1909.

## FINANCIAL YEAR.

*Approximate Statement of Gross Receipts of the Assam-Bengal Railway*

| Receipts for week ending 27th November 1909. | | | Receipts for week ending 28th November 1908. | | | Total receipts from 1st April 1909 to 27th November 1909. | | | Total receipts from 1st April 1908 to 28th November 1908. | | | Total increase in 1909. | Total decrease in 1909. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mean-mileage worked. | Receipts | Per mile worked. | Mean-mileage worked. | Receipts. | Per mile worked. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | Mean-mileage worked. | Total receipts. | Per mile worked per week. | | |
| | Rs | Rs. | | Rs. | Rs. | | Rs | | | Rs. | | | Rs. |
| 771 | 1,12,000 | 145·58 | 771 | 95,500 | 125·35 | 771 | 31,68,347 | ... | 771 | 30,44,479 | ... | 1,24,368 | ..... |

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 27th November 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (estimated) including steam-boat | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Receipts | Weight carried | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... .. | 438,850 | 1,86,200 (a) | 770,760 | 1,00,450 (b) | (c) 27,330 | 3,13,980 | 61,205 | 31,103 (d) | 92,308 |
| Or per mile of railway | 235·06 | 99·73 | 412·83 | 53·80 | 14·64 | 168·27 | ... | .. | ..... |
| For previous 20¾ weeks of half-year (e) .. ... | 6,220,231 | 22,88,826 | 16,584,199 | 18,81,938 | 3,72,224 | 45,42,988 | 1,149,849 | 745,606 | 1,895,455 |
| Total for 21¾ weeks ... | 6,659,081 | 24,75,026 | 17,354,959 | 19,82,388 | 3,99,554 | 48,56,968 | 1,211,054 | 776,709 | 1,987,763 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... .. | 385,268 | 1,51,282 | 991,259 | 1,92,223 | 24,369 | 3,67,874 | 58,853 | (f) 53,928 | 112, 781 |
| Per mile of corresponding week of previous year ... ... ... | 215 11 | 84·47 | 553·47 | 107 33 | 13·60 | 205·40 | . | . | .... |
| Total to corresponding date of previous year .. .. ... | 6,913,974 | 27,75,069 | 19,289,498 | 24,63,085 | 4,72,417 | 57,10,571 | 1,297,091 | 876,529 | 2,174,220 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... | | 3·04 | | 3·28 | ·30 | 3·40 | | | |
| Ditto for corresponding week of previous year ... .. ... | | 2 57 | | 3 56 | ·22 | 3 26 | | | |

(a) Increase due to Sonepore *mela* held earlier last year. The *mela* traffic was small compared with last year owing to a great extent to the prevalence of malaria.
(b) Decrease mainly under local and foreign inward.
(c) Increase chiefly under sundries.
(d) Includes 2,550 miles of ballast trains.
(e) Includes audited figures up to September 1909.
(f) Includes 5,482 miles of ballast trains.

## EASTERN BENGAL STATE RAILWAY SYSTEM

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 27th November 1909, on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. (f) | | | |
| Total traffic for the week ... | 491,530 | 2,27,940 0 0 | 2,190,090 0 | 3,55,370 0 0 | 39,350 0 0 | 6,22,660 0 0 | 78,920 | (d)51,000 | 129,920 |
| Or per mile of railway per week | (a) 346 | (a) 161 0 0 | 1,463 0 | 237 0 0 | (c) 9 0 0 | (c)390 0 0 | ..... | .... | .... |
| For previous 21 weeks of half-year (e) ... ... ... ... | 9,026,531 | 35,74,877 0 0 | 45,225,560 0 | 74,25,694 0 0 | 7,16,082 0 0 | 1,17,16,653 0 0 | 1,571,657 | 1,247,664 | 2,819,321 |
| Total for 22 weeks | 9,518,061 | 38,02,817 0 0 | 47,415,650 0 | 77,81,064 0 0 | 7,55,432 0 0 | 1,23,39,313 0 0 | 1,650,577 | 1,298,664 | 2,949,241 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. ... | 430,839 | 2,16,605 0 0 | 3,338,187 0 | 4,58,069 0 0 | 74,178 0 0 | 7,48,852 0 0 | 75,211 | 81,242 | 156,453 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b) 351 | (b) 176 0 0 | 2,620 | 360 0 0 | 38 0 0 | 568 0 0 | ..... | ... | ..... |
| Total to corresponding date of previous year .. | 10,281,843 | 40,59,597 0 0 | 48,504,200 0 | 76,47,308 0 0 | 7,48,588 0 0 | 1,24,55,493 0 0 | 1,623,697 | 1,238,133 | 2,861,830 |

(a) Excluding 77 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding Steamer earnings, Rs. 25,700.
(d) Includes ballast train-miles, Rs. 7,644.
(e) Audited up to September 1909.
(f) Decrease is due to inclusion of certain adjustments at end of month in the previous year and also in jute traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 27th November 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 45,540 | 13,410 0 0 | 104,130 0 | 9,250 0 0 | 240 0 0 | 22,900 0 0 | 5,747 | (a) 2,867 | 8,614 |
| Or per mile of railway per week | 530 | 156 0 0 | 1,211 0 | 107 0 0 | 3 0 0 | 266 0 0 | ..... | ..... | ..... |
| For previous 21 weeks of half-year (b) .. ... .. | 909,594 | 2,55,810 0 0 | 2,243,216 0 | 1,41,210 0 0 | 5,284 0 0 | 4,02,304 0 0 | 113,207 | 43,021 | 156,228 |
| Total for 22 weeks | 955,134 | 2,69,220 0 0 | 2,347,346 0 | 1,50,460 0 0 | 5,524 0 0 | 4,25,204 0 0 | 118,954 | 45,888 | 164,842 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year .. | 46,943 | 15,026 0 0 | 163,630 0 | 10,209 0 0 | 767 0 0 | 20,002 0 0 | 5,676 | 1,662 | 7,338 |
| Per mile of railway corresponding week of previous year ... | 546 | 175 0 0 | 1,903 0 | 118 0 0 | 9 0 0 | 302 0 0 | ..... | ..... | ..... |
| Total to corresponding date of previous year ... .. | 1,030,777 | 2,90,690 0 0 | 2,158,338 0 | 1,56,843 0 0 | 6,117 0 0 | 4,53,650 0 0 | 122,098 | 38,139 | 160,237 |

(a) Includes ballast train-miles, 700.
(b) Audited up to September 1909.

## COOCH BEHAR RAILWAY—NATIVE SECTION.

*Approximate Return of Traffic and Mileage for the week ending 27th November 1909, on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 4,430 | 1,580 0 0 | 22,110 0 | 1,990 0 0 | 20 0 0 | 3,590 0 0 | 560 | (a)2,053 | 2,613 |
| Or per mile of railway per week | 132 | 47 0 0 | 658 0 | 59 0 0 | 1 0 0 | 107 0 0 | ..... | ..... | ..... |
| For previous 21 weeks of half-year(b) ... ... ... ... | 75,887 | 27,583 0 0 | 431,942 0 | 38,724 0 0 | 293 0 0 | 66,600 0 0 | 10,434 | 41,703 | 52,137 |
| Total for 22 weeks ... | 80,317 | 29,163 0 0 | 454,052 0 | 40,714 0 0 | 313 0 0 | 70,190 0 0 | 10,994 | 43,756 | 54,750 |
| COMPARISON. | | | | | | | | | |
| Total for corresponding week of previous year ... .. | 4,853 | 1,670 0 0 | 23,118 0 | 2,167 0 0 | 29 0 0 | 3,866 0 0 | 560 | 4,536 | 5,096 |
| Per mile of railway corresponding week of previous year ... | 144 | 50 0 0 | 688 0 | 64 | 1 0 0 | 115 0 0 | ..... | ..... | ..... |
| Total to corresponding week of previous year | 98,179 | 36,822 0 0 | 491,319 0 | 42,517 0 0 | 290 0 0 | 79,639 0 0 | 10,109 | 38,769 | 48,868 |

(a) Includes ballast train-miles, 945.
(b) Audited up to September 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 27th November 1909 on 54 miles open*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. S. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 16,290 | 4,030 0 0 | 103,260 0 | 5,720 0 0 | 30 0 0 | 9,780 0 0 | 1,540 | (a)910 | 2,456 |
| Or per mile of railway per week | 302 | 75 0 0 | 1,912 0 | 106 0 0 | ..... | 181 0 0 | .. . | ..... | ..... |
| For previous 21 weeks of half-year(b) ... . ... ... | 243,426 | 72,251 0 0 | 1,289,405 0 | 64,392 0 0 | 605 0 0 | 1,37,248 0 0 | 34,870 | 13,908 | 48,778 |
| Total for 22 weeks | 259,716 | 76,281 0 0 | 1,392,665 0 | 70,112 0 0 | 635 0 0 | 1,47,028 0 0 | 36,410 | 14,824 | 51,234 |
| COMPARISON | | | | | | | | | |
| Total for corresponding week of previous year . .. | 20,407 | 5,071 0 0 | 120,614 0 | 6,276 0 0 | 36 0 0 | 11,383 0 0 | 1,962 | 1,212 | 3,174 |
| Per mile of railway per week for corresponding week of previous year ... ... ... ... ... | 378 | 94 0 0 | 2,234 0 | 116 0 0 | 1 0 0 | 211 0 0 | ..... | ... .. | .... |
| Total to corresponding week of previous year ... . | 315,756 | 93,023 0 0 | 1,440,376 0 | 78,493 0 0 | 786 0 0 | 1,71,301 0 0 | 42,716 | 17,557 | 60,273 |

(a) Ballast train-miles, *nil*.
(b) Audited up to September 1909.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 4th December 1909 ... | Coaching ... | 9,026 0 0 | 21,848 0 0 |
| | Goods ... | 12,772 0 0 | |
| | Other earnings ... | 50 0 0 | |
| Audited earnings for the corresponding period of 1908 .. | Coaching ... | 6,610 0 0 | 15,225 0 0 |
| | Goods . | 8,558 0 0 | |
| | Other earnings ... | 57 0 0 | |
| | Increase ... | | 6,623 0 0 |
| Receipts per mile for the week ending 4th December 1909 ... ... ... ... | | | 428 6 3 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 298 8 6 |
| | Increase ... | | 129 13 9 |
| Receipts from the 1st July to 4th December 1909 .. ... ... ... | | | 4,42,875 0 0 |
| Ditto for the corresponding period of 1908 ... ... ... ... | | | 4,09,633 0 0 |
| | Increase ... | | 33,242 0 0 |

Printed at the Printing Office, and published by the Book Depôt, of the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 15th December 1909.

REGISTERED No. C 209.]

No. 51 of 1909.

SUPPLEMENT TO

# The Calcutta Gazette.

WEDNESDAY, DECEMBER 22, 1909.

## OFFICIAL PAPERS.

[*Non-Subscribers to the* GAZETTE *may receive the* SUPPLEMENT *separately on payment of five rupees per annum if delivered in Calcutta, or seven rupees and eight annas if sent by post.*]

CONTENTS.

| | Page |
|---|---|
| Third Report on the Cotton Crops of Bengal, December 1909 ... | 1907—1912 |
| Final Forecast of the *Bhadoi* Crops of Bengal, 1909 ... | 1913—1929 |
| Weather and Crop Report for the week ending the 20th December 1909 ... | 1930—1934 |
| Approximate Return of Traffic on the Circular and Eastern Canals for the week ending the 18th December 1909 ... | 1935 |
| Prices-current (retail and wholesale) of food-grains and salt in the head-quarters station bazars of the districts of Bengal on the 15th December 1909... | 1936—1943 |
| Statement showing the quantities of the Principal Staples of Traffic imported into and exported from Calcutta from the interior in the six months of April to September 1909 ... | 1944—1950 |
| Meteorological Report of the Provinces of Eastern Bengal and Assam and of Bengal for the month of October 1909 ... | 1951—1953 |
| Area leased for Irrigation up to end of November 1909 ... | 1954—1955 |
| Vital Statistics of Districts and Towns in Bengal for the month of October 1909 ... | 1956—1957 |
| Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th December 1909 ... | 1958 |
| Railway Returns ... | 1959—1962 |

## THIRD REPORT ON THE COTTON CROPS OF BENGAL, DECEMBER 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 17th December 1909.*

### DEPARTMENT OF AGRICULTURE, BENGAL.

THIRD REPORT OF THE COTTON CROPS OF BENGAL, DECEMBER 1909.

[On an average of the five years ending 1907-08, the area under the cotton crop in the territory to which this forecast relates has represented some 0·35 per cent. of the total area under cotton in India.]

*Explanatory.*—This forecast deals with the estimates of the area sown with cotton crops (both early and late) and also gives an estimate of their probable outturn.

*Character of the season.*—The weather has been favourable in all the important early cotton districts. In the Sonthal Parganas, the most important of early cotton growing districts, the prospects of the crop are very good owing to favourable weather conditions. The weather and rainfall have not been as favourable for the late cotton crops. In Saran, the most important of the late cotton growing districts, and in Muzaffarpur, the crop suffered from excessive rain. Next in importance are Darbhanga and Singhbhum, and the crops in these two districts are reported to be in good condition.

*Area sown.*—The area sown with early cotton is now estimated at 34,110 acres as against 31,230 acres sown last year. The area sown up to now with late cotton amounts to 28,377 acres. Last year's area under the crop was 32,869 acres. Harvesting of the early cotton crop has begun in normal time. Sowings of the late crop are still going on in some districts. They have not yet commenced in Cuttack.

*Outturn.*—The estimated outturn of early cotton in this Province has according to estimates recorded in this Department amounted to 7,145 bales against 4,658 bales of last year. The increase in outturn is due to favourable weather. The outturn of late cotton has been returned at 7,470 bales against 9,352 bales, which was the estimate for last year. Adding to these estimates 5 per cent. for the crop grown in the Native States, for which no statistics are recorded, the total early and late crop of this year works up to 7,502 and 7,844 bales respectively.

CALCUTTA,
*The 10th December 1909.*

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal, on tour.*

## *Forecast of the cotton crops of Bengal, December 1909.*

| District. | Area (in acres)— Of current year's crop (1909). | Of previous year's crop (1908). | Average of preceding— 5 yrs. | 10 yrs. | Percentage by which column 2 exceeds (+) or is less than (−) area in— Column 3. | Column 4. 5 yrs. | 10 yrs. | Yield (in bales of 400 lbs. each)— Of current year, i.e., of area in column 2. | Of previous year, i.e., of area in column 3. | Average of preceding— 5 yrs. | 10 yrs. | Percentage by which column 8 exceeds (+) or is less than (−) area in— Column 8. | Column 9. 5 yrs. | 10 yrs. | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | | 12 | 13 | 14 | 15 |
| | | | | | | | | | | | | | | | Acres. | | Acres. | |
| Bankura— | | | | | | | | | | | | | | | | | | |
| Early ... | 300 | 200 | 332* | 332* | +50·00 | −9·63 | −9·63 | 150 | 100 | 166* | 167* | +50·00 | −9·63 | −9·63 | 16,348 | 1889 to 1902 and 1906-07. | ... | The weather and general condition of the crop were not good. The date of harvesting was normal. The sowing of late cotton is in progress. |
| Late ... | ... | 1,400 | 1,6[illegible]0 | 1,680 | ... | ... | ... | ... | 1,120 | 1,245 | 1,016 | ... | ... | ... | | | | |
| Midnapore— | | | | | | | | | | | | | | | | | | |
| Early ... | 1,700 | 1,700 | 1,780 | 1,810 | ... | −4·49 | −6·07 | 110 | 110 | 224 | 396 | ... | −50·89 | −72·22 | 35,342 | 1893 to 1898. | 338 | The weather and general condition of the crop were good. The harvesting of the early cotton commences in January and that of late cotton in April. |
| Late ... | 550 | 620 | 1,620 | 1,850 | −11·29 | −66·04 | −70·27 | 37 | 46 | 473 | 766 | −19·56 | −92·17 | −95·16 | | | | |
| Patna— | | | | | | | | | | | | | | | | | | |
| Early ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 73,164 | 1900 to 1901. | 5 | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal this year. |
| Late ... | 1,000 | 1,000 | 1,280 | 1,350 | ... | −21·87 | −25·92 | 93 | 63 | 207 | 336 | +47·61 | −55·07 | −72·32 | | | | |
| Shahabad— | | | | | | | | | | | | | | | | | | |
| Early ... | 500 | 520 | 201† | 201† | −3·84 | +149·20 | +149·2[illegible] | 225 | 149 | 93† | 93† | +51·01 | +141·93 | +141·93 | ... | ... | ... | The general condition of the crop was fair. The date of harvesting was fair. |
| Late ... | 560 | 565 | 856‡ | 856‡ | −0·88 | −34·57 | −34·57 | 252 | 162 | 253‡ | 253‡ | +55·55 | −0·39 | −0·39 | | | | |

* Average of two preceding years only.
† Average of three preceding years only.
‡ Average of four preceding years only.

| District | Area (in acres)— Of current year's crops (1909). | Of previous year's crops (1908). | Average of preceding— | | Percentage by which column 2 exceeds (+) or is less than (−) area in— Column 3. | Column 4. | | Yield (in bales of 400 lbs. each)— Of current year, i.e., of area in column 2 | Of previous year, i.e., of area in column 3. | Average of preceding— | | Percentage by which column 8 exceeds (+) or is less than (−) area in— Column 8. | Column 9. | | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | | 12 | 13 | 14 | 15 |
| | | | 5 yrs. | 10 yrs. | | 5 yrs. | 10 yrs. | | | 5 yrs. | 10 yrs. | | 5 yrs. | 10 yrs. | Acres. | | Acres. | |
| Saran— | | | | | | | | | | | | | | | | | | |
| Early ... | 900 | 900 | 542* | 542* | ... | +66·05 | +66·05 | 146 | 283 | 188† | 188† | −46·40 | −22·33 | −22·33 | 1,633,435 | 1893 to 1901. | 14,830 | The general condition of the crop is reported to be good but owing to constant and excessive rain at the time of growth, the outturn is not expected to be up to the average. The harvesting has not commenced yet. Early cotton is not grown in the Siwan Subdivision. |
| Late ... | 13,400 | 12,900 | 13,635 | 17,967 | +3·27 | −1·72 | −25·37 | 3,551 | 3,934 | 4,867 | 6,165 | −9·73 | −27·03 | −42·40 | | | | |
| Champaran— | | | | | | | | | | | | | | | | | | |
| Early ... | 141 | 163 | 167† | 167† | −13·49 | −15·56 | −15·56 | 42 | 57 | 58* | 58* | −26·31 | −27·58 | −27·58 | 2,259,840 | 1892 to 1899. | 2,094 | The weather has been favourable. The general condition of the crop is good. The date of harvesting was normal. |
| Late ... | 161 | 237 | 1,357 | 1,808 | −32·06 | −88·13 | −91·09 | 56 | 83 | 348 | 643 | −32·53 | −83·90 | −91·38 | | | | |
| Muzaffarpur— | | | | | | | | | | | | | | | | | | |
| Early ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ..... | ..... | ..... | |
| Late ... | 4,000 | 4,900 | 4,857 | 5,268 | ... | −17·64 | −24·06 | 1,500 | 1,800 | 1,912 | 2,001 | −16·66 | −21·54 | −25·03 | 1,942,400 | 1891-92 and 1899-1900. | 6,100 | The general condition of the crop is poor. The crop has suffered owing to excessive rain. |
| Darbhanga— | | | | | | | | | | | | | | | | | | |
| Early ... | 147 | 137 | 87* | 7* | +7·29 | +68·96 | ... | 39 | 34 | 14* | 14* | +14·70 | +178·57 | +178·57 | 2,142,690 | 1896 to 1903. | 2,300 | The weather and general condition of the crops were good. Harvesting has not yet commenced. |
| Late ... | 3,687 | 3,927 | 3,897 | 3,898 | −6·11 | +27·36 | −5·41 | 929 | 884 | 446 | 1,011 | +42·98 | +106·72 | −8·80 | | | | |
| Monghyr— | | | | | | | | | | | | | | | | | | |
| Early ... | 140 | 135 | 114 | 247 | +3·70 | +22·81 | −43·31 | 35 | 15 | 12 | 53 | +133·33 | +191·66 | +33·96 | 985,552 | 1901 to 1904. | Not surveyed. | The weather has been favourable. The general condition of the crop is good. The date of sowing was normal. |
| Late ... | 248 | 150 | 268 | 564 | +65·33 | −7·42 | −56·02 | 124 | 15 | 33 | 110 | +726·66 | +275·75 | +12·72 | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bhagalpur— | | | | | | | | | | | | | | | | | | |
| Early ... | 220 | 320 | 324 | 4,732 | −31·35 | −32·99 | −96·34 | 81 | 98 | 109 | 1,480 | −17·34 | −25·63 | −94·52 | 2,403,764 | 1902-04 | 482 | The weather and rainfall conditions were favourable for the early variety; but the heavy rainfall did some injury to the late variety of the crop. The general condition of the crops is good. The date of harvesting will be normal on the whole. The area under crop this year is less than that of last year owing to extensive areas being sown with food crops, for which the weather and rainfall conditions were more favourable. |
| Late ... | 82 | 80 | 16? | 1,191 | +2·50 | −49·69 | −93·11 | 20 | 19 | 32 | 229 | +5·26 | −37·50 | −91·26 | | | | |
| Sonthal Parganas— | | | | | | | | | | | | | | | | | | |
| Early .. | 10,500 | 10,500 | 10,620 | 10,840 | ... | −1·12 | −3·13 | 2,940 | 1,759 | 2,133 | 2,777 | +67·14 | +37·80 | +5·86 | 3,272,000 | 1889 to 1903-04. | 16,902 | The weather has been extremely favourable. The general condition of the crop is good. The date of harvesting is normal. |
| Late ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |
| Cuttack— | | | | | | | | | | | | | | | | | | |
| Early ... | 400 | 400 | 1,300 | 2,190 | ... | −69·23 | −81·73 | 80 | 60 | 276 | 512 | +33·33 | −71·01 | −84·37 | 2,088,437 | 1887 to 1895 and 1899-1907. | 2,604 | The weather has been favourable. The general condition of the crop was good. The date of harvesting was normal this year. The sowing of the late variety has not yet begun. It will commence at the end of December in this district. |
| Late ... | ... | 2,800 | 3,300 | 3,750 | ... | ... | ... | ... | 525 | 677 | 848 | ... | ... | ... | | | | |
| Balasore— | | | | | | | | | | | | | | | | | | |
| Early ... | 63 | 63 | 88 | 334 | ... | −28·40 | −83·69 | 13 | 10 | 23 | 147 | +30·00 | −50·00 | −91·15 | 1,095,778 | 1891 to 1892 and 1894 to 1905. | 111 | The weather and rainfall conditions were more favourable. The general condition of the crops is good. The date of harvesting of early cotton was the 2nd week of October and was normal. The harvesting of late cotton has not yet begun. |
| Late ... | 200 | 200 | 200 | 170 | ... | ... | +17·64 | 41 | 31 | 40 | 32 | +32·25 | +2·50 | +28·12 | | | | |
| Angul— | | | | | | | | | | | | | | | | | | |
| Early ... | 3,300 | 1,500 | 2,000 | 2,150 | +120·00 | +65·00 | +53·48 | 495 | 150 | 370 | 368 | +230·00 | +33·78 | +34·51 | 579,328 | 1888-89 and 1905-08. | ... | The prospects of the crop are fair owing to alternate showers and sunshine. The date of harvesting was normal. |
| Late ... | ... | 500 | 1,414‡ | 1,414 | ... | ... | ... | ... | 60 | 245‡ | 245‡ | ... | ... | ... | | | | |
| Puri— | | | | | | | | | | | | | | | | | | |
| Early ... | 130 | 208 | 644 | 1,922 | −37·50 | −79·81 | −93·23 | 19 | 34 | 101 | 319 | −44·11 | −81·18 | −93·71 | 1,274,790 | 1890 to 1900. | 422 | The weather has been favourable. The condition of the crops is fair. The date of harvesting was normal. |
| Late ... | 289 | 240 | 342 | 1,560 | −0·34 | −15·49 | −81·47 | 65 | 65 | 44 | 209 | ... | +47·72 | −63·89 | | | | |
| Sambalpur— | | | | | | | | | | | | | | | | | | |
| Early ... | 2,200 | 2,216 | 7,378 | 6,359 | −0·72 | −70·18 | −65·40 | 138 | 111 | 923 | 892 | +24·32 | −85·04 | −94·52 | 2,447,360 | 1884 to 1887 and 1891 to 1897. | 30,831 | The weather conditions were favourable. The condition of the crop was good. The date of harvesting was normal. The yield of last year has been revised. |
| Late ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | | | | |

* Average of three preceding years only.
† Figures for 1907 only.
‡ Average for 7 years.

| District. | Area (in acres)— Of current year's crops (1909). | Of previous year's crops (1908). | Average of preceding— 5 yrs. | 10 yrs. | Percentage by which column 2 exceeds (+) or is less than (−) area in— Column 3. | Column 4. | Yield (in bales of 400 lbs. each)— Of current year, i.e., of area in column 2. | Of previous year, i.e., of area in column 3. | Average of preceding— 5 yrs. | 10 yrs. | Percentage by which column 8 exceeds (+) or is less than (−) area in— Column 8. | Column 9. | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under cotton during the cadastral survey. | Remarks by District Officers. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | 5 yrs. | 10 yrs. | | 5 yrs. 10 yrs. | | | 5 yrs. | 10 yrs. | | 5 yrs. 10 yrs. | Acres. | | Acres. | |
| Hazaribagh— Early | [illegible] | [illegible] | 1,510 | 3,555 | +5·05 | −26·3 −72·74 | 183 | 104 | 353 | 1,002 | +27·88 | −62·52 −87·47 | ... | ... | ... | The weather conditions were not very favourable. The condition of the crop has been fair. Harvesting has not commenced as yet. |
| Late .. | ... | | .. | ... | ... | ... ... | ... | .. | .. | ... | ... | ... ... | | | | |
| Ranchi— Early ... | 2,800 | 2,800 | 2,220 | 3,130 | ... | +26·12 −17·54 | 420 | 420 | 325 | 792 | .. | +29·23 −46·96 | This district is being cadastrally surveyed. | | ... | The weather has been seasonable and the general condition of the crop is good. The date of harvesting was normal. |
| Late ... | .. | .. | . | ... | ... | ... ... | .. | | .. | ... | ... | ... ... | | | | |
| Palamau— Early .. | 600 | 580 | 1,080 | 4,150 | +9·00 | −64·28 −85·64 | 45 | 44 | 243 | 1,031 | +2·27 | −81·44 −95·73 | 167,520 | 1896-97 | 1,434 | The weather and rainfall conditions were favourable. The general condition of the crop is good. The date of harvesting was normal. |
| Late .. | ... | ... | ... | . | .. | . ... | ... | .. | .. | ... | ... | ... .. | | | | |
| Manbhum— Early ... | 5,100 | 4,600 | 4,640 | 6,060 | +27·50 | +9·91 −23·42 | 785 | 620 | 988 | 1,410 | +23·38 | −22·57 −45·74 | Not cadastrally surveyed. | | | The weather has been favourable. The general condition of the crops was good. The date of harvesting of the early crop was normal. |
| Late .. | 1,200 | 1,200 | 1,040 | 1,210 | ... | +15·38 −0·82 | 138 | 180 | 403 | 526 | −23·33 | −70·19 −73·76 | | | | |
| Singhbhum— Early ... | 4,000 | 4,000 | 4,000 | 4,550 | ... | ... −12·08 | 1,269 | 500 | 668 | 1,187 | +153·80 | +89·97 +6·90 | 1,761,987 | 1895 to 1897 and 1900 to 1902. | 1,613 | The weather and general condition of the crops were good. The date of harvesting was normal. |
| Late .. | 3,000 | 3,000 | 3,000 | 2,050 | ... | ... +13·20 | 671 | 375 | 614 | 824 | +78·93 | +9·28 −18·56 | | | | |
| Total— Early .. | 34,110 | 31,230 | 39,427 | 53,948 | +9·22 | −13·49 −36·77 | 7,146 | 4,658 | 7,270 | 12,038 | +53·39 | −1·72 −44·78 | ... | ... | ... | |
| Late ... | 28,377 | 32,969 | 37,889 | 47,176 | −13·67 | −25·10 −39·85 | 7,170 | 9,352 | 11,890 | 15,214 | −20·12 | −37·22 −50·90 | | | | |

## FINAL FORECAST OF THE *BHADOI* CROPS OF BENGAL, 1909.

THE following note is published for general information.

F. W. DUKE,
*Chief Secy. to the Govt. of Bengal.*

*The 20th December 1909.*

## DEPARTMENT OF AGRICULTURE, BENGAL.

### FINAL FORECAST OF THE BHADOI CROPS OF BENGAL, 1909.

[On an average of five years ending 1907-08, the area under autumn rice in the territory to which this forecast relates has represented some 5·9 per cent. of the total area under this crop in British India.]

*Character of the season.*—As reported in the preliminary forecast, issued in September last, the weather was favourable during the sowing season and weather conditions continued generally favourable throughout the season. But excessive rain in June, defective rainfall in July and heavy floods in the end of August damaged the crops in parts of Midnapore, Hooghly, Howrah, Shahabad, Saran, Champaran, Monghyr, Bhagalpur, Darjeeling and Cuttack. Injury was also done by insects in Sambalpur. In Orissa and Chota Nagpur good crops have been harvested. In other districts excepting Howrah, the outturn was fair.

*Area sown.*—The area sown with the different *bhadoi* crops was 9,596,000 acres against 9,031,200 acres of last year. The normal areas under the crops have been returned at 9,548,700 acres. The increase in the area sown this year was due to the favourable weather conditions at the sowing time and also to the decrease in area under jute.

*Outturn.*—From Appendix I, it will be seen that Ranchi estimates a crop of 110 per cent. and Khulna, the Sonthal Parganas, Balasore, Hazaribagh, and Manbhum except an average crop. Eight districts report a crop between 90 and 99 per cent., five districts between 80 and 89 per cent., nine districts between 70 and 79 per cent., and four districts between 60 and 69 per cent. Howrah only reports a poor crop of 55 per cent.

Comparing the reports issued in the preliminary forecast with those now received, it appears that the outturn has improved in 10 and has decreased in 10 districts.

The estimates of the district officers returned to this Department show that the total outturn of all *bhadoi* crops in the Province has now worked out to 86 per cent. against 85 per cent. shown in the preliminary forecast. Last year's outturn of all the *bhadoi* crops was 65 per cent. The weather has been favourable in many districts and this Department estimates that a normal crop will be harvested.

The total yield of cleaned autumn rice according to this Department's estimates amounts to 34,795,100 cwts. against 21,923,100 cwts., which was the estimate last year.

N. N. BANERJEI,
for *Offg. Director of Agriculture, Bengal (on tour).*

CALCUTTA,
*The 11th December 1909.*

## *Final forecast of the* Bhadoi *Crops, 1909.*

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Burdwan ... | 1,721,990 | 1,284,200 | *Autumn* rice ... ... ... | 140,000 | 136,800 | 132,200 | 90 | 97 | 85,226 | ... | ... | Latter part of August to October. | The weather and rainfall conditions were on the whole favourable, but heavy showers at the end of August did some damage to *autumn* rice and to some other *bhadoi* crops. The date of harvesting was normal except in Asansol, where it was rather late. | |
| | | | Indian-corn (maize) ... ... | 3,000 | 3,000 | 3,000 | 80 | 80 | | 1889 to 1892 and 1903-04 to 1907-08. | Not ascertained. | August to October. | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 6,700 | 2,200 | 2,200 | 97 | 97 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,200 | 2,200 | 2,100 | 98 | 100 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 10,000 | 8,200 | 8,100 | 99 | 100 | | | | | | |
| | | | Total ... | 161,900 | 152,400 | 147,600 | 91 | 97 | 85,226 | ... | ... | | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified bhadoi crop*, in acres. | Approximate area *last year* (1908) *under each specified bhadoi crop*, in acres. | Estimated area *this year* (1909) *under each specified bhadoi crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Birbhum ... | 1,121,280 | 786,700 | *Autumn* rice ... ... .. | 144,100 | 144,100 | 144,100 | 75 | 85 | 46,392 | 1889 to 1891 and 1903-06 | ... | End of September and beginning of October. | The rainfall conditions were favourable. The general condition of the crops was good. The date of harvesting was normal. | |
| | | | Indian-corn (maize) ... . | 1,900 | 1,900 | 1,900 | 75 | 90 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,400 | 1,400 | 1,400 | 75 | 90 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 2,800 | 2,800 | 2,800 | 75 | 90 | | | | | | |
| | | | Total ... | 150,200 | 150,200 | 150,200 | 75 | 85 | 46,392 | | ... | | | |
| Bankura ... | 1,677,440 | 642,800 | *Autumn* rice ... ... ... | 21,900 | 15,000 | 14,500 | 50 | 70 | 16,348 | 1889 to 1902, 1906 and 1907. | Not available. | 1st to 16th October. | The rainfall was not favourable at the time of sowing. The general condition of the crops was not good. The date of harvesting was normal. | |
| | | | Bajra ... ... ... ... | 800 | 700 | 700 | 50 | 75 | | | | | | |
| | | | Mandua, *marua* or *ragi*... ... | 1,100 | 800 | 800 | 50 | 75 | | | | | | |
| | | | Indian-corn (maize) ... .. | 3,600 | 3,200 | 3,200 | 50 | 80 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 8,400 | 7,500 | 7,500 | 60 | 75 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 700 | 2,600 | 2,600 | 75 | 75 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,200 | 1,200 | 1,200 | 75 | 60 | | | | | | |
| | | | Total ... | 37,700 | 31,000 | 30,500 | 70 | 73 | 16,348 | | ... | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Midnapore ... | 3,319,040 | 2,190,600 | *Autumn* rice ... ... ... | 156,600 | 100,500 | 100,300 | 75 | 77 | 35,342 | 1893 to 1898. | 16,293 | August to October. | The weather and rainfall were favourable except in the Contai subdivision. The condition of the crops was fair in Contai and good elsewhere, but in Ghatal, the crops were damaged by heavy floods at the time of harvesting. The date of harvesting was normal. |
| | | | Bajra ... ... ... ... | 6,100 | 5,500 | 5,500 | 70 | 70 | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 2,000 | 1,900 | 1,900 | 70 | 70 | | | | | |
| | | | Indian-corn (maize) ... .. | 21,800 | 20,700 | 20,700 | 70 | 75 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 48,600 | 46,700 | 46,300 | 70 | 70 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 23,000 | 20,000 | 20,300 | 79 | 76 | | | | | |
| | | | Other *bhadoi* non-food-crops .... | 85,400 | 79,600 | 79,600 | 80 | 69 | | | | | |
| | | | Total ... | 293,000 | 274,900 | 274,600 | 75 | 73 | 35,342 | | 16,293 | | |
| Hooghly ... | 761,210 | 448,900 | *Autumn* rice ... ... ... | 45,500 | 42,800 | 39,100 | 79 | 75 | Not cadastrally surveyed. | | | Middle of September. | Owing to excessive rainfall at the time of sowing, some damage was done to *autumn* rice. The date of harvesting was normal and the crops were satisfactory in their yield. |
| | | | Indian-corn (maize) ... | (30) | (30) | 200 | 73 | 83 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 600 | 500 | 400 | 83 | 82 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,600 | 2,300 | 2,400 | 80 | 80 | | | | | |
| | | | Total ... | 48,700 | 45,600 | 42,100 | 79 | 75 | | | | | |
| Howrah ... | 326,400 | 250,600 | *Autumn* rice ... ... ... | 18,500 | 17,000 | 17,300 | 70 | 55 | ... | ... | ... | Middle of October. | The weather in the Sadar subdivision was seasonable and the condition of the crops has been reported to be good. In the Ulubaria subdivision, the crops suffered from heavy floods. About 25 per cent. of the crops was damaged. The date of harvesting was normal. |
| | | | Indian-corn (maize) .. | 300 | 200 | 200 | 75 | 74 | ... | ... | ... | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,300 | 1,100 | 1,000 | 75 | 50 | ... | ... | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,700 | 2,500 | 2,100 | 50 | 54 | ... | ... | ... | | |
| | | | Total ... | 22,800 | 21,400 | 20,600 | 68 | 55 | ... | | ... | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area under each specified bhadoi crop, in acres. | Approximate area last year (1908) under each specified bhadoi crop, in acres. | Estimated area this year (1909) under each specified bhadoi crop, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15. |
| 24-Parganas ... | 3,100,833 | 1,088,700 | *Autumn* rice ... ... ... | 73,400 | 57,800 | 62,100 | 76 | 91 | Acres. ... | ... | Acres. ... | Beginning of August. | The weather was favourable. The general condition of the crops was good. The date of harvesting was normal, but it was early in the Sadar and Diamond Harbour subdivisions, and late in thana Khardaha in the Barrackpore subdivision. | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 3,600 | 1,500 | 1,600 | 84 | 95 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 5,600 | 3,100 | 3,500 | 77 | 94 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 100 | 100 | 100 | 75 | 100 | | | | | | |
| | | | Total ... | 82,700 | 62,500 | 67,300 | 76 | 91 | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nadia ... | 1,787,520 | 1,043,800 | *Autumn* rice ... ... ... | 328,900 | 498,600 | 514,300 | 45 | 72 | Not cadastrally surveyed ... | | 1st week of August. | The season was favourable at first, but want of rain during July effected the crops injuriously which resulted in a decrease of the estimated outturn as compared with the normal. The date of harvesting was normal. |
| | | | Mandua, *marua* or *ragi* ... | 300 | 100 | 200 | 37 | 50 | | | | |
| | | | Indian-corn (maize) ... ... | 600 | 300 | 100 | 25 | 50 | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 11,700 | 6,600 | 8,000 | 43 | 59 | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 17,700 | 8,000 | 6,600 | 54 | 72 | | | | |
| | | | Other *bhadoi* non-food-crops ... | 25,000 | 12,300 | 12,000 | 52 | 65 | | | | |
| | | | Total ... | 384,400 | 525,900 | 541,200 | 45 | 72 | ... | ... | | |
| Murshidabad | 1,371,520 | 985,500 | *Autumn* rice ... ... ... | 229,700 | 162,500 | 198,600 | 48 | 62 | ... | ... | ... | June to October. The weather was favourable. The date of harvesting was normal. |
| | | | Bajra ... ... ... | 500 | ... | 400 | ... | 46 | ... | ... | ... | |
| | | | Mandua, *marua* or *ragi*... ... | 500 | 200 | 500 | 64 | 66 | ... | ... | ... | |
| | | | Indian-corn (maize) ... ... | 200 | 400 | 400 | 66 | 97 | ... | ... | ... | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,200 | 3,900 | 3,700 | 58 | 45 | ... | ... | ... | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 8,600 | 3,500 | 4,600 | 57 | 71 | ... | ... | ... | |
| | | | Other *bhadoi* non-food-crops ... | 72,500 | 10,100 | 16,700 | 60 | 63 | ... | ... | ... | |
| | | | Total ... | 314,200 | 200,600 | 224,900 | 49 | 62 | ... | ... | ... | |
| Jessore ... | 1,572,158 | 1,101,000 | *Autumn* rice ... ... ... | 371,900 | 326,900 | 431,200 | 75 | 75 | ... | ... | ... | 15th August The weather was favourable. The date of harvesting was normal. |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 18,600 | 20,600 | 21,100 | 60 | 60 | ... | ... | ... | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 28,300 | 20,800 | 21,100 | 65 | 65 | ... | ... | ... | |
| | | | Other *bhadoi* non-food-crops ... | 9,200 | 10,000 | 9,700 | 65 | 65 | ... | ... | ... | |
| | | | Total ... | 428,000 | 378,300 | 483,100 | 73 | 74 | | | ... | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Khulna ... | 3,049,016 | 870,000 | *Autumn* rice ... ... ... | 45,800 | 59,400 | 59,500 | 97 | 100 | 176,535 | 1903-1904 to 1908-1909. | 50 | 10th August | The weather and rainfall conditions were good. The date of harvesting was normal. | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,000 | 1,000 | 1,000 | 100 | 100 | | | 91 | 25th ,, | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 4,700 | 4,000 | 4,000 | 100 | 100 | | | 2 | 2nd October. | | |
| | | | Total ... | 51,500 | 64,400 | 64,500 | 97 | 100 | 176,535 | | 143 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Patna ... | 1,329,000 | 1,062,100 | *Autumn* rice ... ... ... | 14,[illegible]00 | 11,500 | 12,100 | 31 | 90 | | | 7,243 | | |
| | | | Jowar ... ... ... ... | 15,500 | 13,900 | 13,400 | 50 | 70 | | | 163 | | |
| | | | Mandua, *marua* or *ragi* ... | 63,900 | 78,600 | 72,100 | 35 | 87 | | | 341 | | |
| | | | Indian-corn (maize) ... ... | 114,000 | 130,900 | 126,000 | 38 | 70 | | | 5,189 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 17,400 | 17,400 | 16,600 | 45 | 80 | 73,164 | 1900-01 | 15,771 | From August. | The weather was favourable The date of harvesting was normal. |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 8,800 | 7,700 | 6,900 | 28 | 94 | | | 141 | | |
| | | | Other *bhadoi* non-food-crops ... | 6,800 | 5,000 | 5,300 | 70 | 93 | | | 794 | | |
| | | | Total ... | 239,500 | 265,000 | 252,400 | 38 | 78 | 73,164 | ... | 29,642 | | |
| Gaya ... | 3,015,680 | 2,118,100 | *Autumn* rice ... ... ... | 18,000 | 15,700 | 12,800 | 80 | 100 | | | ... | | |
| | | | Jowar ... ... ... ... | 20,300 | 16,000 | 17,200 | 80 | 100 | | | 1,871 | | |
| | | | Mandua, *marua* or *ragi* ... | 76,200 | 59,300 | 75,600 | 75 | 90 | | 1893 to | 7,631 | | |
| | | | Indian-corn (maize) ... ... | 65,900 | 63,800 | 64,[illegible]00 | 80 | 90 | | 1895, | 6,632 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 24,100 | 23,400 | 21,400 | 75 | 100 | 517,900 | 1900 to | 94,139 | September. | The weather was very favourable. There was good rain with breaks of sunshine. The condition of the crops was good. The date of harvesting was normal. |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,300 | 4,100 | 3,600 | 75 | 100 | | 1902; 1907 to | 419 | | |
| | | | Other *bhadoi* non-food-crops ... | 1,300 | 1,400 | 1,200 | 75 | 100 | | 1908. | 122 | | |
| | | | Total ... | 209,100 | 183,700 | 155,800 | 78 | 93 | 517,900 | | 110,864 | | |
| Shahabad ... | 2,800,843 | 1,843,600 | *Autumn* rice ... ... ... | 49,200 | 37,000 | 41,600 | 70 | 80 | | | | | |
| | | | Jowar ... ... ... ... | 8,100 | 6,100 | 6,700 | 80 | 69 | | | | | |
| | | | Rajra ... ... ... ... | 8,300 | 6,500 | 5,500 | 80 | 62 | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 28,400 | 22,000 | 23,600 | 75 | 75 | | | | | |
| | | | Indian-corn (maize) ... ... | 38,400 | 37,500 | 36,300 | 75 | 77 | ... | ... | ... | 7th August | The weather was on the whole favourable but excessive rain damaged the crop to some extent. The date of harvesting was normal. |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 28,000 | 21,000 | 22,300 | 75 | 71 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 9,400 | 8,300 | 9,400 | 60 | 59 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 2,200 | 1,200 | 2,200 | 75 | 77 | | | | | |
| | | | Total ... | 172,500 | 139,600 | 147,600 | 73 | 73 | ... | | ... | | |

| District. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Figures from the Cadastral Survey. Years during which the cadastral survey took place. | Figures from the Cadastral Survey. Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Saran ... ... | 1,711,286 | 1,357,200 | *Autumn* rice ... ... ... | 66,400 | 52,000 | 64,500 | 38 | 71 | 1,633,435 | 1893 to 1901 | 66,324 | August | The crop was good. The date of harvesting was normal. The crops were to some extent damaged by west winds at the time of flowering in the Siwan subdivision. The low outturn is due to excessive rainfall at the time of ripening. | |
| | | | Jowar ... ... ... ... | 5,000 | 3,900 | 4,800 | 82 | 51 | | | ... | | | |
| | | | Bajra ... ... ... ... | 2,800 | 2,700 | 1,500 | 68 | 50 | | | ... | | | |
| | | | Mandua, *marua* or *ragi* ... | 40,300 | 38,000 | 40,000 | 67 | 76 | | | 40,266 | | | |
| | | | Indian-corn (maize) ... ... | 213,300 | 179,600 | 192,200 | 64 | 57 | | | 213,240 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 45,000 | 190,200 | 113,900 | 33 | 69 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 21,500 | 9,900 | 8,500 | 56 | 84 | | | ... | | | |
| | | | Other *bhadoi* non-food-crops ... | 16,200 | 1,600 | 2,500 | 67 | 51 | | | ... | | | |
| | | | Total ... | 412,300 | 477,900 | 417,900 | 49 | 64 | 1,633,435 | | 319,830 | | | |
| Champaran ... | 3,259,840 | 1,447,600 | *Autumn* rice ... ... ... | 223,000 | 227,300 | 234,000 | 50 | 90 | 2,079,815 | 1892 to 1899 | 256,671 | September and October. | The weather was favourable generally for all crops but excessive rainfall and floods damaged some *bhadoi* crops. The date of harvesting was normal. | |
| | | | Jowar ... ... ... ... | 6,000 | 1,500 | 6,000 | 50 | 85 | | | ... | | | |
| | | | Bajra ... ... ... ... | 4,000 | 2,000 | 4,000 | 75 | 85 | | | ... | | | |
| | | | Mandua, *marua* or *ragi* ... | 18,000 | 16,700 | 20,000 | 75 | 90 | | | 17,385 | | | |
| | | | Indian-corn (maize) ... ... | 120,000 | 120,900 | 140,000 | 75 | 50 | | | 117,868 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 135,000 | 134,000 | 134,000 | 70 | 70 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,000 | 1,000 | 1,000 | 70 | 85 | | | ... | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,000 | 1,000 | 1,000 | 75 | 95 | | | ... | | | |
| | | | Total ... | 508,000 | 504,400 | 540,000 | 62 | 75 | 2,079,815 | | 391,924 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| uzaffarpur | 1,942,400 | 1,627,300 | *Autumn* rice ... ... ... | 109,200 | 80,000 | 100,000 | 30 | 100 | 1,942,400 | 1892-93 to 1898-99. | 109,200 | About the 15th September. | The weather was favourable and the general condition of the crop was good. The date of harvesting was early in some parts of the district. |
| | | | Mandua, *marua* or *ragi* ... | 82,400 | 62,000 | 92,000 | 42 | 119 | | | 82,400 | | |
| | | | Indian-corn (maize) .. .. | 163,800 | 170,000 | 180,000 | 48 | 75 | | | 163,800 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 122,000 | 128,600 | 140,000 | 47 | 95 | | | 128,600 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 8,300 | 8,300 | 20,500 | 48 | 100 | | | 8,300 | | |
| | | | Other *bhadoi* non-food-crops | 15,200 | 15,200 | 15,200 | 49 | 100 | | | 15,200 | | |
| | | | Total .. | 507,500 | 464,100 | 556,700 | 43 | 92 | 1,942,400 | | 507,500 | | |
| Darbhanga ... | 2,142,690 | 1,676,000 | *Autumn* rice ... .. .. | 80,800 | 53,900 | 55,400 | 24 | 97 | 2,142,690 | 1896 to 1903. | 80,800 | August .. | The weather and rainfall conditions were good and the crops are reported to be good. The date of harvesting this year was early. |
| | | | Jowar ... ... ... | 10,700 | 3,200 | 3,700 | 51 | 90 | | | 10,700 | | |
| | | | Bajra ... ... ... | 500 | ... | 200 | ... | 100 | | | 500 | | |
| | | | Mandua, *marua* or *ragi* ... | 221,200 | 158,000 | 233,600 | 36 | 100 | | | 221,200 | | |
| | | | Indian-corn (maize) ... . | 87,100 | 132,600 | 138,300 | 49 | 86 | | | 87,100 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 9,000 | 30,000 | 38,300 | 42 | 95 | | | 9,000 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | ... | 8,500 | 12,400 | 49 | 97 | | | ... | | |
| | | | Other *bhadoi* non-food-crops ... | 500 | 13,300 | 17,700 | 55 | 94 | | | 500 | | |
| | | | Total ... | 409,800 | 400,100 | 499,500 | 40 | 95 | 2,142,690 | | 409,800 | | |
| Monghyr ... | 2,510,080 | 1,582,800 | *Autumn* rice ... ... ... | 19,400 | 11,600 | 13,500 | 33 | 65 | 985,532 | 1900 to 1904. | 328,535 | August and September. | The weather was not quite favourable. Excessive rain in the beginning of the season damaged the crop to some extent. The general condition of the crop was fair. The date of harvesting was normal. |
| | | | Jowar ... ... ... ... | 1,400 | 5,700 | 6,900 | 57 | 50 | | | | | |
| | | | Bajra ... ... ... ... | ... | 600 | 700 | 52 | 74 | | | | | |
| | | | Mandua, *marua* or *ragi* .. | 49,200 | 24,000 | 19,800 | 28 | 61 | | | | | |
| | | | Indian-corn (maize) ... .. | 221,900 | 213,700 | 238,800 | 58 | 71 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses | 13,400 | 9,000 | 10,200 | 56 | 73 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables) | 6,200 | 3,400 | 9,700 | 52 | 53 | | | | | |
| | | | Other *bhadoi* non-food-crops .. | 45,600 | 27,700 | 22,800 | 52 | 73 | | | | | |
| | | | Total ... | 357,100 | 295,700 | 320,400 | 54 | 69 | 985,532 | | 328,535 | | |
| Bhagalpur .. | 2,704,640 | 1,321,400 | *Autumn* rice ... ... ... | 324,700 | 290,000 | 324,700 | 33 | 104 | 2,403,764 | 1902 to 1904 | 151,919 | Middle of August. | The weather and rainfall conditions were on the whole favourable. In some places, slight damage was done by heavy rainfall in the month of June. All *autumn* crops were very good. The date of harvesting was normal in most places. |
| | | | Jowar ... ... ... | 10,100 | 22,000 | 10,100 | 75 | 100 | | | 2,856 | | |
| | | | Mandua, *marua* or *ragi* ... | 185,800 | 100,000 | 185,800 | 40 | 105 | | | 142,683 | | |
| | | | Indian-corn (maize) ... ... | 179,400 | 170,000 | 180,000 | 45 | 81 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 11,900 | 21,100 | 11,900 | 45 | 105 | | | 114,275 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 14,100 | 2,100 | 14,100 | 50 | 100 | | | 40,252 | | |
| | | | Other *bhadoi* non-food-crops ... | 26,600 | 26,600 | 26,600 | 50 | 100 | | | 159 | | |
| | | | | | | | | | | | ... | | |
| | | | Total | 752,600 | 561,800 | 753,200 | 41 | 98 | 2,403,764 | | 452,544 | | |

| DISTRICT. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified bhadoi crop*, in acres. | Approximate area *last year* (1908) *under each specified bhadoi crop*, in acres. | Estimated area *this year* (1909) *under each specified bhadoi crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | FIGURES FROM THE CADASTRAL SURVEY. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Purnea ... | 3,196,153 | 1,694,400 | *Autumn* rice ... ... ... | 516,500 | 515,000 | 525,000 | 43 | 90 | 2,506,346 | 1901-1902 to 1904-1905. | Not known. | End of August. | The weather was favourable with timely and well distributed rain. The general condition of the crops was good. The date of harvesting was early. | |
| | | | Jowar ... ... ... | 100 | ... | 100 | ... | 100 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... | 4,400 | 2,400 | 8,500 | 62 | 100 | | | | | | |
| | | | Indian-corn (maize) ... ... | 6,000 | 4,300 | 20,000 | 74 | 90 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 4,300 | 2,500 | 5,000 | 72 | 90 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 28,900 | 21,500 | 25,000 | 76 | 95 | | | | | | |
| | | | Other *bhadoi* non-food-crops... | 200 | ... | . | ... | ... | | | | | | |
| | | | Total ... | 560,400 | 545,700 | 583,600 | 45 | 90 | 2,506,346 | | ... | | | |
| Darjeeling ... | 744,956 | 166,600 | *Autumn* rice ... ... ... | 7,200 | 3,700 | 3,700 | 91 | 62 | 261,549 | 1897 to 1903. | ... | August to November. | The weather was not favourable. Owing to heavy rain the crops were damaged somewhat. The date of harvesting was normal. | |
| | | | Mandua, *marua* or *ragi* ... | 5,300 | 5,300 | 5,300 | 82 | 70 | | | 3,806 | | | |
| | | | Indian-corn (maize) ... ... | 40,300 | 40,200 | 40,200 | 78 | 69 | | | 37,775 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,200 | 2,200 | 2,200 | 83 | 70 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 5,200 | 4,500 | 4,500 | 88 | 65 | | | ... | | | |
| | | | Other *bhadoi* non-food crops ... | 2,900 | 2,400 | 2,400 | 70 | 68 | | | ... | | | |
| | | | Total ... | 63,100 | 58,300 | 58,300 | 80 | 68 | 261,549 | | 41,583 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sonthal Parganas. | 3,500,800 | 1,549,800 | *Autumn* rice ... ... ... | 338,400 | 326,300 | 321,300 | 73 | 100 | 3,272,009 | 1899 to 1903. | ... | From the end of June. | The weather and rainfall were favourable. The general condition of the crops was good. The date of harvesting was normal. |
| | | | Jowar ... ... ... ... | 48,700 | 46,900 | 47,700 | 72 | 100 | | | 41,851 | | |
| | | | Mandua, *marua* or *ragi* ... | 2,[illegible]0 | 20,900 | 20,900 | 66 | 100 | | | 24,785 | | |
| | | | Indian-corn (maize) ... ... | 171,400 | 163,700 | 166,200 | 69 | 100 | | | 163,702 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 115,300 | 114,300 | 114,900 | 76 | 100 | | | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 6,400 | 6,400 | 6,400 | 73 | 100 | | | . | | |
| | | | Other *bhadoi* non-food-crops ... | 48,400 | 48,000 | 48,400 | 71 | 100 | | | ... | | |
| | | | Total ... | 750,800 | 726,500 | 725,800 | 72 | 100 | 3,272,009 | | 230,338 | | |
| Cuttack ... | 2,338,500 | 1,223,800 | *Autumn* rice ... ... ... | 145,700 | 165,200 | 165,500 | 69 | 89 | 2,088,437 | 1889 to 1895 & 1901 to 1905. | 135,298 | By the middle of August. | The weather and rainfall were favourable. Some damage was done by excessive rain early in August. The general condition of the crop was good. Harvesting commenced early. |
| | | | Mandua, *marua* or *ragi* ... | 22,200 | 21,400 | 24,100 | 71 | 89 | | | 30,674 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 3,500 | 2,700 | 2,200 | 84 | 81 | | | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,700 | 6,400 | 6,900 | 77 | 84 | | | ... | | |
| | | | Other *bhadoi* non-food-crops ... | 700 | 3,300 | 2,300 | 76 | 86 | | | .. | | |
| | | | Total ... | 175,800 | 199,000 | 201,000 | 70 | 89 | 2,088,437 | | 165,972 | | |
| Balasore ... | 1,334,308 | 932,200 | *Autumn* rice ... ... ... | 11,000 | 11,000 | 11,000 | 95 | 100 | 1,095,778 | 1891-92 to 1894-95. | 9,100 | 1st week of September. | The weather was favourable. The general condition of the crops was good. The date of harvesting was normal. |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 2,000 | 2,000 | 2,000 | 100 | 100 | | | 1,800 | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,100 | 1,100 | 1,100 | 100 | 100 | | | 800 | | |
| | | | Other *bhadoi* non-food-crops ... | 3,200 | 3,200 | 3,200 | 100 | 100 | | | 1,000 | | |
| | | | Total ... | 17,300 | 17,300 | 17,300 | 97 | 100 | 1,095,778 | | 12,700 | | |
| Angul ... | 1,191,328 | 263,000 | *Autumn* rice ... ... ... | 16,500 | 16,500 | 16,500 | 75 | 8[illegible] | 575,253 | 1888-89 | Not available Khondmals sub-division has not been cadastrally surveyed. | August to October. | The general condition of the crops was on the whole good. The date of harvesting was normal. |
| | | | Mandua, *marua* or *ragi* ... | 3,200 | 4,000 | 3,000 | 75 | 80 | | | | | |
| | | | Indian-corn (maize) ... ... | 8,000 | 4,000 | 4,000 | 40 | 60 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 13,500 | 8,000 | 10,000 | 75 | 80 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,600 | 1,100 | 1,600 | 75 | 75 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,000 | 1,000 | 1,000 | 75 | 90 | | | | | |
| | | | Total ... | 43,800 | 34,600 | 36,100 | 71 | 78 | 575,253 | | ... | | |

| DISTRICT. | Total area of district, in acres. | Total area in district estimated to be under cultivation, in acres. | Name of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | FIGURES FROM THE CADASTRAL SURVEY. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crops during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Puri ... ... | 1,558,360 | 750,200 | *Autumn* rice ... ... ... | 65,200 | 22,200 | 22,300 | 75 | 85 | 1,274,790 | 1899 to 1908. | 29,979 | 1st week of September. | The weather was favourable. The condition of the crops was good. The date of harvesting was normal. | |
| | | | Mandua, *marua* or *ragi* ... | 24,500 | 15,400 | 15,500 | 93 | 89 | | | 15,092 | | | |
| | | | Indian-corn (maize) .. ... | 200 | 300 | 300 | 98 | 97 | | | ... | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,500 | 900 | 1,800 | 81 | 75 | | | ... | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 3,200 | 5,600 | 2,700 | 93 | 91 | | | 3,044 | | | |
| | | | Other *bhadoi* non-food-crops ... | 2,100 | 700 | 600 | 87 | 74 | | | 285 | | | |
| | | | Total | 97,000 | 45,100 | 43,200 | 53 | 86 | 1,274,790 | | 46,399 | | | |
| Sambalpur ... | 2,447,360 | 836,100 | *Autumn* rice ... .. . | 466,700 | 424,100 | 412,000 | 112 | 98 | 2,447,360 | 1884 to 1887 and 1891 to 1897. | 383,483 | 15th August to 20th November. | The low outturn of the autumn rice crop was due to want of rain at the time of its growth, and this deficiency in rain prevented *bihuda* operations which are necessary for the crop. Some damage was done by insect-pests locally called *dhana* and *bangifota*. The date of harvesting was normal this year. | |
| | | | Jowar ... .. . ... | 700 | 600 | 400 | 90 | 98 | | | 132 | | | |
| | | | Mandua, *marua* or *ragi* . | 600 | 400 | 400 | 90 | 90 | | | 278 | | | |
| | | | Indian-corn (maize) ... ... | 2,100 | 1,400 | 1,200 | 90 | 90 | | | 724 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 132,300 | 100,000 | 94,900 | 90 | 105 | | | 111,140 | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 2,000 | 2,200 | 2,000 | 90 | 105 | | | 6,904 | | | |
| | | | Other *bhadoi* non-food-crops ... | 4,800 | 5,700 | 6,400 | 90 | 105 | | | 904 | | | |
| | | | Total ... | 549,200 | 534,400 | 553,200 | 108 | 99 | 2,447,360 | | 502,785 | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hazaribagh ... | 4,493,440 | 1,703,006 | *Autumn* rice ... ... ... | 73,200 | 58,600 | 103,000 | 70 | 100 | ... | ... | ... | August | The rainfall was seasonable. The general condition of the crops was fair. The date of harvesting was earlier than usual in some places. |
| | | | Mandua, *marua* or *ragi* ... | 118,900 | 115,900 | 113,200 | 78 | 100 | | | | | |
| | | | Indian-corn (maize) ... ... | 188,200 | 199,200 | 476,900 | 70 | 100 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 120,800 | 108,900 | 88,300 | 81 | 100 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,200 | 18,500 | 18,400 | 74 | 100 | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 75,100 | 75,000 | 4,100 | 85 | 100 | | | | | |
| | | | Total ... | 587,400 | 575,100 | 503,900 | 76 | 100 | | | | | |
| Ranchi ... | 4,561,920 | 1,500,000 | *Autumn* rice ... ... ... | 97,300 | 97,300 | 97,300 | 90 | 110 | The district is being cadastrally surveyed. | | | By the middle of June. | The state of the crops was good with seasonable rainfall. The date of harvesting was normal. |
| | | | Mandua, *marua* or *ragi* ... | 31,700 | 31,700 | 31,700 | 100 | 110 | | | | | |
| | | | Indian-corn (maize) ... ... | 4,000 | 4,000 | 4,000 | 92 | 105 | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 61,700 | 61,700 | 61,700 | 98 | 110 | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,000 | 1,000 | 1,000 | 100 | 105 | | | | | |
| | | | Total ... | 195,700 | 195,700 | 195,700 | 94 | 110 | ... | | ... | | |
| Palamau ... | 3,144,960 | 697,000 | *Autumn* rice ... ... ... | 30,000 | 22,000 | 21,000 | 75 | 90 | 157,520 | 1896 to 1897. | ... | 2nd fortnight of September. | The weather and rainfall conditions were favourable. The general condition of the crops was good. The date of harvesting was normal. |
| | | | Jowar ... ... ... | 600 | 1,200 | 1,000 | 75 | 75 | | | 157 | | |
| | | | Bajra ... ... ... | 2,300 | 100 | 200 | 75 | 87 | | | ... | | |
| | | | Mandua, *marua* or *ragi* ... | 19,700 | 14,000 | 54,000 | 80 | 90 | | | 1,660 | | |
| | | | Indian-corn (maize) ... | 50,000 | 36,000 | 45,000 | 80 | 75 | | | 4,821 | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 45,000 | 44,800 | 44,000 | 80 | 85 | | | ... | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 4,400 | 1,000 | 5,600 | 82 | 85 | | | | | |
| | | | Other *bhadoi* non-food-crops .. | 5,000 | 2,700 | 4,700 | 85 | 85 | | | ... | | |
| | | | Total .. | 157,000 | 121,800 | 174,800 | 79 | 85 | 157,520 | | 6,638 | | |
| Manbhum ... | 2,654,080 | 1,419,200 | *Autumn* rice ... ... ... | 174,300 | 172,300 | 162,700 | 90 | 100 | Not cadastrally surveyed. | | | End of September. | The weather was favourable and the general condition of the crops was good. The date of harvesting was normal. |
| | | | Jowar ... ... ... | 1,400 | 5,500 | 7,800 | 90 | | | | | | |
| | | | Bajra ... ... ... | 6,100 | 5,800 | 5,700 | 90 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 20,000 | 18,900 | 19,100 | 90 | | | | | | |
| | | | Indian-corn (maize) ... ... | 90,800 | 84,400 | 79,000 | 75 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 107,900 | 94,700 | 100,200 | 90 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 22,300 | 21,200 | 23,100 | 90 | | | | | | |
| | | | Other *bhadoi* non-food-crops | 15,500 | 11,100 | 11,200 | 90 | | | | | | |
| | | | Total ... | 438,300 | 413,900 | 408,700 | 87 | 100 | ... | | ... | | |

| District. | Total area of district, in acres. | Total area in the district estimated to be under cultivation, in acres. | Names of *bhadoi* crops. | Approximate normal area *under each specified* bhadoi *crop*, in acres. | Approximate area *last year* (1908) *under each specified* bhadoi *crop*, in acres. | Estimated area *this year* (1909) *under each specified* bhadoi *crop*, in acres. | Taking 100 to represent the normal outturn, how much represented the outturn last year (1908)? | Taking 100 to represent the normal outturn, how much will represent this year's outturn (1909)? | Figures from the Cadastral Survey. Total area of the district which has been cadastrally surveyed. | Years during which the cadastral survey took place. | Area found under *bhadoi* crop during the cadastral survey. | Date at which the harvesting of the crops was begun this year. | A brief statement regarding the weather and general condition of the crops and whether the date of sowing was this year early, normal or late. | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | | | | | | | | | Acres. | | Acres. | | | |
| Singhbhum ... | 2,490,240 | 840,700 | *Autumn* rice ... ... ... | 263,000 | 263,000 | 263,000 | 100 | 83 | 1,761,984 | 1895 to 1897 and 1900 to 1903. | ... | September to December. | The weather was favourable. The general condition of the crops was good. | |
| | | | Jowar ... ... ... ... | 10,300 | 9,000 | 9,000 | 100 | 75 | | | 12,543 | | | |
| | | | Bajra ... ... ... ... | 7,700 | 6,700 | 6,700 | 100 | 62 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 15,000 | 14,200 | 14,200 | 100 | 78 | | | 6,872 | | | |
| | | | Indian-corn (maize) ... ... | 31,000 | 31,000 | 31,000 | 100 | 82 | | | 19,272 | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 40,000 | 38,000 | 38,000 | 100 | 70 | | | 26,154 | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 1,500 | 1,000 | 1,000 | 100 | 80 | | | ... | | | |
| | | | Other *bhadoi* non-food-crops ... | 1,500 | 1,400 | 1,400 | 100 | 83 | | | ... | | | |
| | | | Total ... | 370,000 | 364,300 | 364,300 | 100 | 81 | 1,761,984 | | 64,841 | | | |
| Bengal ... | 74,121,056 | 38,933,900 | *Autumn* rice ... ... ... | 4,576,200 | 4,388,200 | 4,736,000 | 68 | 87 | | | | | | |
| | | | Jowar ... ... ... ... | 138,900 | 135,500 | 134,800 | 73 | 89 | | | | | | |
| | | | Bajra ... ... ... ... | 39,600 | 30,600 | 31,100 | 82 | 94 | | | | | | |
| | | | Mandua, *marua* or *ragi* ... ... | 1,056,600 | 826,100 | 1,075,000 | 54 | 96 | | | | | | |
| | | | Indian-corn (maize) ... ... | 1,826,000 | 1,816,200 | 1,881,700 | 61 | 78 | | | | | | |
| | | | Other *bhadoi* cereals and *bhadoi* pulses. | 1,176,500 | 1,248,400 | 1,173,000 | 66 | 88 | | | | | | |
| | | | Other *bhadoi* food-crops (*e.g.*, vegetables). | 251,000 | 213,300 | 254,700 | 70 | 87 | | | | | | |
| | | | Other *bhadoi* non-food-crops ... | 483,000 | 372,400 | 309,700 | 69 | 84 | | | | | | |
| | | | Total ... | 9,548,700 | 9,031,200 | 9,506,000 | 65 | 86* | | | | | | |

* A normal crop is estimated by this department.

## APPENDIX II.

*Abstract statement of estimated acreage and outturn of the Autumn Rice Crop, 1909.*

| PROVINCE. | ACREAGE. | | | | | | | OUTTURN IN CWT. | | | | | | | Remarks by the Department of Agriculture, Bengal. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Of current year's crop. | Of previous year's crop. | Average of five preceding years (viz., 1903 to 1907). | Average of ten preceding years (viz., 1898 to 1907). | Percentage by which column 2 exceeds (+) or falls short (−) of area in— | | | Estimated yield of current year, i.e., of area in column 2. | Yield of previous year, i.e., of area in column 3. | Average of five preceding years (viz., 1903 to 1907). | Average of ten preceding years (viz., 1898 to 1907). | Percentage by which column 9 exceeds (+) or falls short (−) of outturn in— | | | |
| | | | | | Column 3. | Column 4. | Column 5. | | | | | Column 10. | Column 11. | Column 12. | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Bengal .. | 4,736,000 | 4,388,200 | 4,239,500 | 4,349,400 | +7·93 | +10·41 | +8·89 | 34,795,100 | 21,923,100 | 24,314,800 | 26,299,800 | +58·71 | +43·10 | +32·30 | |

## WEATHER AND CROP REPORT.

*For the week ending the 20th December 1909.*

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | BURDWAN ... | Inches. 0·01 | 13 | 13 | Condition of *rabi* crops, sugarcane and potatoes good. Harvesting of *aman* paddy continuing. No cattle-disease. Prices stationary. Stocks of food-grains, fodder and drinking-water sufficient. |
| 2 | BIRBHUM ... | Nil | 10 | 10 | Harvesting of winter paddy continuing. Standing crops doing well. No cattle-disease. Food-grains, fodder and water sufficient. |
| 3 | BANKURA ... | Nil | 13 | 13 | Weather seasonable. Harvesting of paddy going on. Condition of agricultural stock fair. No cattle-disease. Fodder and water sufficient. |
| 4 | MIDNAPORE .. | Nil | 10 | 10 | Harvesting of winter rice going on. Transplantation of summer rice continuing in the Ghatal subdivision. Prospects of sugarcane good. Fodder and water sufficient. Cattle-disease reported from Henria and Bhagwanpur. Common rice selling at 11½ seers per rupee at Contai, 10 seers at Tamluk, and at 12 seers at Ghatal. |
| 5 | HOOGHLY ... | Nil | 11 | 11 | Weather cold. Price of food-grains showing a downward tendency. Stocks of food-grains sufficient. No likelihood of scarcity. Condition of standing crops good. Sowing of *rabi* crops continuing. Harvesting of winter paddy going on. No cattle-disease. Fodder and water sufficient. |
| 6 | HOWRAH ... | Nil | 9⅓ | 9⅓ | Sky cloudy towards the end of the week. Harvesting of winter rice going on. Sowings of *boro* seedlings and *rabi* crops almost completed. Prospects of sugarcane fair. Stocks of food-grains, fodder and water sufficient. |
| 7 | 24-PARGANAS | Nil | 8½ | 8½ | Weather seasonable. Sowing of *rabi* crops finished. Prospects good. Common rice selling at 9 seers a rupee at Barasat, at 9¼ seers at Barrackpore, at 11 seers at Basirhat and at 10⅝ seers at Diamond Harbour. |
| 8 | NADIA ... | Nil | 10 11/16 | 11 15/16 | Harvesting of winter rice, *kalai* and *mung* continuing. Prospects of standing crops good. Stocks of food-grains, fodder and water sufficient. Cattle-disease reported from thanas Gangani, Damukdia and Chuadanga. |

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | | | |
| 9 | MURSHIDABAD | Nil | 13 | 13 | Weather seasonable. Harvesting of *aman* paddy continuing. Cultivation of *rabi* crops finished. Plants prospering satisfactorily excepting Gokarna in the Kandi subdivision, where wheat is partially damaged by insect-pests. Fodder and water sufficient. No cattle-disease. Agricultural stock in good condition. |
| 10 | JESSORE ... | Nil | $12\frac{5}{16}$ | $12\frac{1}{4}$ | Weather seasonable. Harvesting of winter rice and sowing of *rabi* crops still going on. Prospects fair. Stocks of food-grains, fodder and water sufficient. No cattle-disease. Condition of agricultural stock good. |
| 11 | KHULNA ... | Nil | 11 | 11 | Weather seasonable. Prospects of standing crops good. |
| 12 | PATNA ... | Nil | 13<br>23* | $12\frac{3}{4}$<br>23* | Weather cool and sometimes cloudy. Harvesting of rice and pressing of sugarcane in progress. Rain wanted for *rabi* crops. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from Nawbatpur. |
| 13 | GAYA ... | Nil | $13\frac{9}{16}$<br>$20\frac{3}{8}$* | $13\frac{5}{16}$<br>$22\frac{9}{16}$* | Weather cold and cloudy. *Rabi* crops being irrigated. Pressing of sugarcane and harvesting of winter rice continuing. Cattle-disease reported from five villages in the Jehanabad subdivision and from one village in Aurangabad. Fodder and water for cattle ample. |
| 14 | SHAHABAD ... | Nil | 12<br>20* | $11\frac{1}{2}$<br>$19\frac{1}{8}$* | Standing crops doing well. Harvesting of paddy and pressing of sugarcane going on. Stocks of food-grains sufficient. Condition of agricultural stock normal. Prices stationary. Fodder and water sufficient. |
| 15 | SARAN ... | Nil | 15<br>21* | 14<br>$20\frac{1}{8}$* | Weather cold. Rain wanted. *Rabi* crops being irrigated. Threshing of winter rice and pressing of sugarcane going on. Prices of staple food-crops slightly fallen. No cattle-disease. Fodder and water sufficient. Condition of agricultural stock good. |
| 16 | CHAMPARAN ... | 0·05 | 13<br>$21\frac{1}{2}$* | 13<br>$21\frac{3}{4}$* | Rainfall at Bettiah 0·02 inch. Weather showery. Agricultural stock in good condition. Condition of standing crops good. *Rabi* crops likely to be benefited greatly by rain. Harvesting of paddy continuing. Fodder and water sufficient. Cattle-disease reported from Bhoura. |
| 17 | MUZAFFARPUR | Nil | $13\frac{1}{2}$<br>$21\frac{1}{2}$* | $13\frac{1}{2}$<br>$21\frac{1}{2}$* | Weather seasonable and occasionally cloudy. Prospects of standing crops excellent. *Rabi* sowings approaching completion. Harvesting of paddy continuing. Common rice and *makai* selling at 14 and 24 seers a rupee respectively at Sitamarhi and at 12 and 21 seers a rupee respectively at Hajipur. Fodder and water sufficient. No cattle-disease. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station | Price of common rice, in seers, per rupee. | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | |
| | | Inches. | | | |
| 18 | DARBHANGA ... | 0·09 | 16½<br>22* | 15⅜<br>24 2/16* | Weather seasonable, but sometimes cloudy. Prospects of standing crops good. Harvesting of paddy crops still in progress in places. Food-stocks, fodder and water sufficient. No cattle-disease reported. Common rice (average quality) selling at 14 13/16 seers a rupee at Sadar. *Makai* selling at 22 seers a rupee in Darbhanga bazar. |
| 19 | MONGHYR ... | 0·08 | 13½ | 13 | Weather seasonable. Harvesting of paddy crops commenced. Sugarcane being harvested. Prospects of *rabi* crops good. Fodder and water sufficient. Cattle-disease reported from Gorai and Khagaria. |
| 20 | BHAGALPUR ... | Nil | 15<br>20* | 14<br>20½* | Weather seasonable, but cloudy. Harvesting of *aghani* crops going on everywhere. Present condition of standing crops excellent. Condition of agricultural stock good. Fodder and water sufficient. Cattle-disease reported from thana Supaul. No apprehension of famine at all. Stocks of food-grains also sufficient. |
| 21 | PURNEA ... | Nil | 16 | 14 | Weather seasonable and slightly cloudy. Harvesting of *aghani* paddy going on. Prospects of standing crops good. Fodder and water sufficient. Cattle-disease reported from two villages of thana Raniganj, one village of thana Gopalpur and Manihari and Rupauli outposts. Common rice selling at 15 and 13½ seers a rupee at Araria and Kishanganj respectively. |
| 22 | DARJEELING ... | Nil | 11<br>13* | 8<br>13* | Weather seasonable Hills—*Bara marua* and *bhadoi* paddy being harvested. *Chotu marua*, winter rice, oil-seeds, wheat and barley growing. Terai—Harvesting of winter rice in progress. Prospects, excepting sugarcane, satisfactory. Prices going down. |
| 23 | SONTHAL PARGANAS. | ... | 16½<br>24¾* | 16½<br>25* | Weather seasonable. Harvesting of winter paddy still going on. Prospects of standing crops very favourable. Prices of staple food-grains almost stationary. Stocks of food-grains likely to last till next harvest. Cattle-disease reported from Godda. Fodder and water sufficient. |
| 24 | CUTTACK ... | Nil | 13¾ | 13¾ | *Kulthi*, mustard and turmeric growing. Sugarcane being harvested and *jhain mug* being sown. Cattle-disease reported from Kendrapara. Fodder and water sufficient. |

* The figures indicate the price of maize in seers per rupee.

| No. | Name of district | Rainfall at Sadar station | Price of common rice, in seers, per rupee | | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| | | | This week. | Previous week. | |
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches | | | |
| 25 | BALASORE ... | Nil | 15 | 15 | Weather seasonable. Harvesting of *saradh* paddy and pressing of sugarcane going on. *Rabi* crops in flower and fruit. Vegetables in progress. Condition of cattle good. Fodder and water available. Coarse rice selling at 16 seers per rupee at Bhadrak. Prices stationary at Sadar and rising at Bhadrak. |
| 26 | ANGUL ... | 0·05 | $19\frac{15}{16}$ | $19\frac{15}{16}$ | Weather cloudy. Harvesting of winter rice and *rabi* crops progressing. Common rice selling at 15 seers per rupee at the Khondmals. Fodder and water sufficient. Cattle-disease reported from the Khondmals. |
| 27 | PURI ... | Nil | $13\frac{1}{8}$ | $12\frac{1}{8}$ | *Saradh* paddy being harvested. Sugarcane being pressed. *Kulthi* and mustard thriving well. Fodder and water sufficient. No cattle-disease. Common rice selling at $15\frac{3}{4}$ seers a rupee at Khurda. |
| 28 | SAMBALPUR ... | 0·07 | 19 | 18 | Reaping and threshing of winter rice continuing. Harvesting of *mung*, *kulthi* and pressing of sugarcane in progress. Condition of sugarcane and vegetables good. Tobacco being transplanted. Stocks of food-grains, fodder and water-supply sufficient. No apprehension of scarcity. Rinder-pest, foot-and-mouth disease reported. Cheapest rice selling at 22 seers per rupee at Bargarh. |
| 29 | HAZARIBAGH... | 0·12 | 10<br>$17\frac{3}{4}$* | 12<br>$18\frac{1}{2}$* | Weather seasonable, but slightly cloudy. Threshing of paddy going on. Rain wanted for *rabi* crops. Stocks of food-grains, fodder and water sufficient. Cattle-disease in three *thanas*. |
| 30 | RANCHI ... | 1·21 | $13\frac{1}{2}$ | $13\frac{1}{2}$ | Weather cloudy. Ploughing facilitated and *rabi* crops benefited by the rain of the week. Harvesting of paddy nearly finished. *Sirguja* being reaped. No cattle-disease reported. Fodder and water sufficient. |
| 31 | PALAMAU ... | 0·20 | $11\frac{3}{4}$ | $11\frac{1}{4}$ | Weather seasonable. Threshing of paddy continuing. *Rabi* crops doing well. Fodder and water sufficient. Some cattle-disease reported. |
| 32 | MANBHUM ... | 0·03 | $14\frac{1}{2}$ | $14\frac{1}{2}$ | Weather occasionally cloudy. State of standing crops good. Harvesting of winter rice still continuing. Fodder and water sufficient. Cattle-disease none reported. Condition of agricultural stock good. Prices of staple food-grains practically stationary. Common rice selling at 12 seers a rupee at Dhanbaid. Stocks of food-grains adequate. |
| 33 | SINGHBHUM ... | Nil | 12 | 12 | Weather cloudy and cold. Harvesting and threshing of paddy nearly completed. Condition of cattle good. Fodder and water sufficient. Common rice selling at 12 and 15 seers a rupee at Kharsawan and Seraikella, respectively. |

* The figures indicate price of the maize in seers per rupee.

| No. | Name of district. | Rainfall at Sadar station. | Price of common rice, in seers, per rupee. This week. | Price of common rice, in seers, per rupee. Previous week. | Character of the weather, and state and prospects of the crops, etc. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Inches. | (New) | | |
| 34 | COOCH BEHAR | Nil | 13½ | 8⅝ | Weather seasonable. Prospects and condition of standing crops favourable. Prices of staple food-grains showing a tendency to come down. No apprehension of scarcity or famine. Fodder and water sufficient. |
| 35 | FEUDATORY STATES, ORISSA.* | ..... | ..... | ..... | Name of State. — Rainfall in inches.<br>Athgarh ... 1·75<br>Baramba ... 2·13<br>Baud ... 0·33<br>Bonai ... 0·19<br>Daspalla ... 0·72<br>Dhenkanal ... 0·21<br>Hindol ... 1·49<br>Kalahandi ... 0·40<br>Keonjhar ... 0·91<br>Mayurbhanj ... 0·69<br>Narsinghpur ... 1·56<br>Nayagarh ... 3·00<br>Nilgiri ... 0·93<br>Ranpur ... 4·00<br><br>Harvesting of winter paddy continuing in all the States and that of *rabi* crops (*i.e.*, *mung*, *biri*, *arhar*, *rasi* and *kulthi*) in progress in some of the States. Pressing of sugarcane in progress in Baramba, Dhenkanal, Narsinghpur, Patna and Ranpur. Standing crops doing well. Fodder and water sufficient. During the week price of rice fallen in one State, risen in two States and stationary in the remaining States: price of rice varying from 13 seers in Tigiria and Khandpara and 15 seers in Rairakhol and Athmallik to 22 seers in Sonpur and Baud and 24 seers in Pal-Lahara and Gangpur. |

* The report is for the week ending the 11th December 1909.

GENERAL SUMMARY.—There was moderate rainfall in Ranchi and light rainfall in parts of Burdwan, Champaran, Darbhanga, Monghyr, Angul, Sambalpur, Hazaribagh, Palamau and Manbhum and no rain in the rest of the Province. The recent rain has benefited the *rabi* crops in Champaran and Ranchi and more rain is wanted in Patna, Saran and Hazaribagh. Harvesting of winter rice continues. Sugarcane is in progress in Bihar and Orissa. *Rabi* crops are doing well. Some damage has been done by insects to the wheat crop in parts of Murshidabad. The price of common rice has fallen in most districts of Bihar and also in Puri, Sambalpur, Palamau and Cooch Behar and has risen in Nadia and Hazaribagh. Cattle-disease is reported from Midnapore, Nadia, Patna, Gaya, Champaran, Monghyr, Bhagalpur, Purnea, the Sonthal Parganas, Cuttack, Angul, Sambalpur, Hazaribagh and Palamau. The fodder and water supply is sufficient throughout the Province.

DEPARTMENT OF AGRICULTURE, BENGAL,
*Calcutta, the 21st December 1909.*

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

## GOVERNMENT OF BENGAL, IRRIGATION DEPARTMENT.

*Approximate Return of Traffic on the Circular and Eastern Canals for the week ending Saturday, the 18th December 1909, as compared with the corresponding week of the previous year.*

| Nature of Cargo | Week ending Saturday, the 18th December 1909. | | | Week ending Saturday, the 19th December 1908. | | |
|---|---|---|---|---|---|---|
| | Number of boats. | Weight of cargo. | Tollage. | Number of boats. | Weight of cargo. | Tollage. |
| | | Mds. | Rs. | | Mds. | Rs. |
| Rice and paddy ... ... | 466 | 45,145 | 667 | 514 | 59,319 | 957 |
| Jute ... ... | 263 | 1,01,275* | 1,583 | 179 | 66,480† | 1,116 |
| Firewood ... ... | 47 | 40,125 | 631 | 29 | 30,350 | 368 |
| Other articles ... ... | 642 | 1,71,780 | 2,053 | 576 | 1,28,230 | 1,715 |
| Total ... | 1,418 | 3,58,325 | 4,934 | 1,298 | 2,84,379 | 4,156 |

* Weight by canal measurement, 1[illegible],787½ maunds.
† Ditto ditto, 74,862½ ..

CALCUTTA,
*The 20th December 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

## *PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarte*

QUANTITIES PER RUPEE

| Division. | Number. | DISTRICTS. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BENGAL. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| Burdwan Division. | 1 | Burdwan .. | ... | ... | ... | ... | ... | ... | 12 6 | 11 12 | 6 12 | 13 0 | 12 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| | 2 | Birbhum .. | 9 0 | 9 0 | 7 8 | ... | ... | .. | 12 0 | 12 0 | 9 0 | 12 0 | 12 0 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 3 | Bankura ... | 9 0 | 8 0 | 7 8 | ... | ... | ... | 11 0 | 11 0 | 8 4 | 13 0<br>... | New 13 0<br>Old 11 8 | ...<br>8 12 | ... | ... | ... | ... | ... | ... |
| | 4 | Midnapore ... | 8 0 | 8 0 | 6 12 | ... | ... | ... | 10 8 | 10 8 | ... | 12 8<br>11 2 | New 12 8<br>Old 11 2 | ...<br>10 0 | ... | ... | ... | ... | ... | ... |
| | 5 | Hooghly .. | ... | ... | ... | ... | . | ... | 8 4 | 8 0 | 6 4 | 9 8 | 9 8 | 7 8 | ... | . | ... | ... | ... | ... |
| | 6 | Howrah ... | ... | ... | ... | ... | ... | ... | 8 0 | 8 0 | 6 8 | 9 8 | 9 8 | 7 0 | ... | ... | ... | ... | ... | ... |
| Presidency Division. | 7 | 24-Parganas ... | ... | ... | 7 8 | ... | ... | ... | 9 8 | 9 0 | 7 8 | 10 0 | 9 8 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 8 | Calcutta .. | 9 0 | 9 0 | 7 0 | 13 0 | 13 0 | 11 0 | 8 8 | 8 8 | 6 12 | 11 0 | 11 0 | 8 12 | ... | ... | ... | 12 0 | 12 0 | 11 |
| | 9 | Nadia .. | 8 9 | 8 10 | 6 9 | 10 11 | 10 10 | ... | 9 2 | 9 6 | 6 9 | 10 11 | 11 13 | 8 0 | ... | ... | ... | ... | ... | ... |
| | 10 | Murshidabad | 11 8 | 10 8 | 7 8 | 22 8 | 20 0 | 12 0 | 12 8 | 11 8 | 7 4 | 14 0 | 13 0 | 8 4 | ... | .. | ... | ... | ... | ... |
| | 11 | Jessore .. | 6 8 | 6 8 | 6 8 | 8 0 | 8 0 | 7 6 | 10 10 | 10 4 | 7 9 | 14 0 | 14 4 | 9 2 | ... | ... | ... | ... | ... | ... |
| | 12 | Khulna .. | ... | ... | ... | ... | ... | ... | 9 8 | 9 8 | 8 0 | 12 0 | 12 0 | 10 0 | ... | ... | ... | ... | ... | ... |
| | | BIHAR. | | | | | | | | | | | | | | | | | | |
| Patna Division. | 13 | Patna ... | 11 0 | 10 12 | 8 8 | 19 0 | 20 0 | 14 0 | 12 0 | 11 8 | 8 4 | 13 0 | 12 0 | 9 4 | 16 0 | ... | ... | ... | ... | ... |
| | 14 | Gaya ... | 11 12 | 10 7 | 7 4 | 18 7 | 16 9 | 13 0 | 12 13 | 10 15 | 8 8 | 13 5 | 11 7 | 9 0 | 18 7 | ... | 12 8<br>14 8 | 14 6 | ... | ... |
| | 15 | Shahabad ... | 11 8 | 10 0 | 9 0 | 18 0 | 17 8 | 13 0 | 11 4 | 10 8 | 7 0 | 11 8 | 11 0 | 7 8 | ... | ... | ... | ... | ... | ... |
| Tirhut Division. | 16 | Saran ... | 10 8 | 10 0 | 9 0 | 20 0 | 20 0 | 13 0 | 12 0 | 10 0 | 8 0 | 14 0 | 12 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | 17 | Champaran ... | 9 8 | 9 8 | 7 8 | 19 0 | 21 0 | 14 0 | 11 0 | 11 0 | 8 0 | 13 0 | 12 12 | 9 4 | ... | ... | ... | ... | ... | ... |
| | 18 | Muzaffarpur ... | 10 0 | 10 0 | 8 0 | 15 0 | 15 0 | 12 0 | 9 0 | 8 0 | ... | 13 8 | 12 12 | 9 0 | ... | ... | ... | ... | ... | ... |
| | 19 | Darbhanga ... | 8 12 | 8 13 | 8 3 | 16 8 | 15 3 | 14 4 | 14 5 | 9 15 | 5 8 | 15 6 | 14 5 | 8 0 | ... | ... | ... | ... | ... | ... |

*Sation Bazars of the districts of Bengal on the 15th December 1909.*

SEERS OF EIGHTY TOLAS.

| Marua or Ragi (*Eleusine Coracana*) | | | Kangni or Kakun, Italian millet (*Setaria italica*). | | | Gram, Chana, Cheola, Kadalay or Sunaga (*Cicer arietinum*). | | | Indian-corn or Maize (*Zea mays*). | | | Arhar (*dál*) or Thur, Cadjan Pea (*Cajanus indicus*). | | | Salt. | | | Wholesale prices per maund of forty seers. Salt. | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch | S. Ch. | S. Ch. | S. Ch | S. Ch | S. Ch | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch | S. Ch. | S. Ch. | Rs A. P | Rs. A. P | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | ... | ... | 9 0 | 8 10 | 6 8 | 21 0 | 21 0 | 21 0 | 1 10 0 | 1 10 6 | 1 12 0 | 1 |
| ... | ... | ... | ... | ... | . | 10 8 | 12 0 | 7 8 | | ... | . | 7 8 | 7 8 | 6 0 | 20 0 | 20 0 | 20 0 | 2 1 0 | 2 0 0 | 1 15 0 | 2 |
| ... | ... | ... | ... | ... | ... | 10 0 | 8 0 | 8 0 | . | | ... | 9 0 | 9 8 | 7 0 | 20 0 | 20 0 | 20 0 | 2 0 0 | 2 0 0 | 2 0 0 | 3 |
| ... | ... | ... | . | ... | ... | {10 0 to 11 0} | 11 0 | 7 8 | .. | ... | .. | 8 0 | 8 0 | 6 8 | 21 0 | 21 0 | 20 0 | 1 12 0 | 1 12 0 | 1 14 0 | 4 |
| ... | ... | ... | ... | ... | ... | 8 8 | 8 8 | 5 12 | . | . | | 8 0 | 8 0 | 5 10 | 20 0 | 20 0 | 20 0 | 1 12 0 | 1 12 0 | 2 0 0 | 5 |
| ... | ... | ... | ... | ... | ... | 10 8 | 10 8 | 8 8 | ... | ... | ... | 8 0 | 8 0 | 7 0 | 20 0 | 20 0 | 16 0 | 1 8 0 | 1 8 0 | 1 14 0 | 6 |
| ... | ... | ... | .. | . | ... | 12 0 | 12 0 | 8 8 | ... | .. | ... | 9 0 | 9 0 | 7 8 | 22 8 | 22 8 | 24 0 | 1 12 0 | 1 12 0 | 1 9 6 | 7 |
| ... | ... | ... | 10 0 | 10 0 | 8 8 | 11 8 | 11 8 | 8 0 | 13 0 | 13 0 | 11 0 | 9 0 | 9 0 | 6 8 | 20 0 | 20 0 | 18 0 | 1 8 0 | 1 8 0 | 1 15 | 8 |
| ... | ... | ... | ... | ... | ... | 13 0 | 13 0 | 8 0 | ... | ... | ... | 8 0 | 8 0 | 6 9 | 17 12 | 16 0 | 16 0 | 1 15 0 | 2 0 0 | 1 13 0 | 9 |
| ... | ... | ... | ... | ... | ... | 17 0 | 18 0 | 8 8 | ... | ... | .. | 11 8 | 14 8 | 7 0 | 21 0 | 21 0 | 21 0 | 1 14 0 | 1 14 0 | 1 14 0 | 10 |
| ... | ... | ... | .. | ... | ... | 10 0 | 10 0 | 8 0 | .. | . | ... | 11 0 | 10 0 | ... | 21 8 | 21 0 | 21 0 | 1 12 0 | 1 14 0 | 1 11 0 | 11 |
| ... | ... | ... | ... | .. | ... | 10 0 | 10 0 | 8 0 | | ... | .. | 5 8 | 5 8 | 6 8 | 16 0 | 16 0 | 16 0 | 2 0 0 | 2 0 0 | 2 0 0 | 12 |
| 22 0 | ... | .. | ... | ... | ... | 15 12 | 15 0 | 11 0 | 23 0 | 20 0 | 15 0 | 13 0 | 13 0 | 8 4 | 19 8 | 19 8 | 19 0 | 2 0 0 | 2 0 0 | 2 0 0 | 13 |
| 20 8 | 18 7 | 15 0 | 18 7 | 12 5 | ... | 15 6 | 13 8 | 10 8 | 21 8 | 20 4 | 13 12 | 13 5 | 10 0 | 7 8 | 20 8 | 20 8 | 20 0 | 1 15 3 | 1 15 3 | 2 0 0 | 14 |
| ... | ... | ... | ... | ... | ... | 15 8 | 15 0 | 9 0 | 19 8 | 18 0 | 12 0 | 11 0 | 11 8 | 7 8 | 21 0 | 21 0 | 20 0 | 1 14 6 | 1 14 6 | 2 0 0 | 15 |
| ... | ... | 13 0 | ... | ... | ... | 15 0 | 15 0 | 10 0 | 21 0 | 20 0 | 14 8 | 12 8 | 12 0 | 9 4 | 22 0 | 21 0 | 20 8 | 1 12 0 | 1 14 0 | 1 15 0 | 16 |
| 22 0 | 22 0 | 15 0 | — | ... | ... | 15 8 | 15 8 | 10 0 | 21 8 | 21 9 | 14 8 | 10 8 | 10 8 | 8 0 | 20 0 | 20 0 | 17 0 | 2 0 0 | 2 0 0 | 2 4 9 | 17 |
| 22 8 | 22 8 | 12 0 | ... | ... | ... | 14 0 | 14 0 | 9 0 | 21 8 | 21 0 | 14 0 | 10 8 | 10 8 | 8 0 | 18 0 | 21 0 | 19 0 | 1 14 6 | 1 14 6 | 2 0 0 | 18 |
| 24 3 | 25 5 | 13 3 | ... | ... | ... | 14 4 | 13 8 | 9 14 | 24 3 | 20 14 | 13 0 | 11 0 | 11 0 | 7 14 | 19 4 | 19 12 | 19 12 | 2 0 0 | 2 0 3 | 2 0 8 | 19 |

*PRICES-CURRENT (retail) of Food-grains and Salt in the Head-quarters*

QUANTITIES PER RUPEE IN

| Division. | Number. | Districts. | Wheat. Present return. | Wheat. Next preceding return. | Wheat. Corresponding return of last year. | Barley. Present return. | Barley. Next preceding return. | Barley. Corresponding return of last year. | Common Rice. Average. Present return. | Common Rice. Average. Next preceding return. | Common Rice. Average. Corresponding return of last year. | Common Rice. Cheapest. Present return. | Common Rice. Cheapest. Next preceding return. | Common Rice. Cheapest. Corresponding return of last year. | Jowar or Cholum (*Andropogon Sorghum*). Present return. | Jowar or Cholum. Next preceding return. | Jowar or Cholum. Corresponding return of last year. | Bajra or Cumbu (*Pennisetum typhoideum*). Present return. | Bajra or Cumbu. Next preceding return. | Bajra or Cumbu. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. |
| BIHAR—*concluded.* | | | | | | | | | | | | | | | | | | | | |
| Bhagalpur Division. | 20 | Monghyr ... | 11 9 | 11 0 | 8 0 | 16 13 | 14 12 | 10 0 | 13 10 | 13 0 | 6 12 | 14 8 | 13 14½ | 7 8 | ... | ... | ... | ... | ... | ... |
| | 21 | Bhagalpur... | 9 8 | 10 8 | 8 4 | 15 4 | 14 0 | 12 10 | 12 0 | 6 0 | 7 10 | 12 10 | 14 0 | 8 3 | ... | ... | ... | ... | ... | ... |
| | 22 | Purnea ... | 9 0 | 8 8 | 7 8 | ... | ... | ... | 13 12 | 12 8 | 6 0 | 16 0 | 15 0 | 7 0 | ... | ... | .. | ... | ... | ... |
| | 23 | Darjeeling .. | 6 0 | 6 0 | 5 8 | 8 0 | 8 0 | 5 12 | 7 0 | 6 4 | 6 0 | 10 0 | 8 0 | 7 0 | ... | ... | .. | ... | ... | ... |
| | 24 | Sonthal Parganas. | 10 8 | 10 8 | 8 0 | 13 0 | 13 0 | 9 8 | 13 12 | 13 12 | 8 8 | 16 8 | 16 4 | 9 0 | ... | ... | ... | ... | ... | ... |
| ORISSA. | | | | | | | | | | | | | | | | | | | | |
| Orissa Division. | 25 | Cuttack .. | 9 13 | 9 13 | 6 11 | ... | ... | ... | 13 12 | 13 12 | 10 8 | 13 12 | 13 12 | 10 8 | ... | ... | — | ... | ... | ... |
| | 26 | Balasore ... | 8 0 | 7 12 | 7 8 | ... | ... | ... | 14 0 | 14 0 | 9 0 | 15 0 | 15 0 | 9 8 | ... | ... | ... | ... | ... | ... |
| | 27 | Angu ... | ... | ... | 5 0 | ... | ... | ... | 18 0 | 18 0 | 14 0 | 19 15 | 21 0 | 14 0 | ... | — | ... | ... | ... | ... |
| | 28 | Puri ... | 8 8 | 8 8 | 6 9 | ... | ... | ... | 13 2 | 10 8 | 9 3 | 14 7 | 12 2 | 9 13 | ... | ... | — | ... | ... | ... |
| | 29 | Sambalpur... | 9 8 | 9 4 | 7 0 | ... | ... | ... | 18 0 | 16 0 | 11 0 | 19 0 | 17 0 | 12 0 | ... | ... | — | ... | ... | ... |
| CHOTA NAGPUR. | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur Division. | 30 | Hazaribagh | 8 0 | 8 8 | 6 12 | 12 0 | 12 0 | 9 0 | 12 0 | 11 8 | 8 0 | 12 8 | 12 8 | 8 12 | ... | ... | — | ... | ... | — |
| | 31 | Ranchi ... | 8 4 | 8 8 | 7 0 to 7 4 | 11 0 | 10 0 | 10 8 | 13 8 | 13 8 | 9 0 | 14 8 | 14 8 | 10 0 | ... | — | ... | ... | ... | — |
| | 32 | Palamau ... | 9 0 | 9 [illegible] | 7 5 | 16 14 | 15 12 | 10 11 | 10 2 | 9 0 | 6 12 | 11 13 | 11 13 | 7 14 | ... | — | ... | ... | — | — |
| | 33 | Manbhum .. | 9 0 | 8 14 | 7 8 | 10 0 | 10 0 | ... | 14 0 | 14 0 | 9 0 | 15 0 | 14 8 | 10 8 | ... | ... | ... | 16 0 | 12 0 | — |
| | 34 | Singhbhum | 9 0 | 9 0 | 6 8 | ... | ... | ... | 12 0 | 11 0 | 7 8 | New 16 0 | 13 0 | 9 0 | ... | — | ... | ... | ... | ... |

CALCUTTA,
*The 20th December 1909.*

*Station Bazars of the districts of Bengal on the 15th December 1909*—concld.

| SEERS OF EIGHTY TOLAHS | | | | | | | | | | | | | | | | | | WHOLESALE PRICES PER MAUND OF FORTY SEERS. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MARUA OR RAGI (*Eleusine Coracana*). | | | KANGNI OR KAKUN, ITALIAN MILLET (*Setaria italica*). | | | GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA (*Cicer arietinum*). | | | INDIAN-CORN OR MAIZE (*Zea mays*). | | | ARHAR (*adi*) OR THUR, CADJAN PEA (*Cajanus indicus*). | | | SALT. | | | SALT | | | Number. |
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | S. Ch. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| ... | ... | ... | ... | ... | ... | 17 14 | 16 12 | 9 0 | 21 8 | 23 0 | 12 0 | 10 8 | 10 8 | 6 0 | 21 0 | 21 13 | 20 0 | 1 14 0 | 1 13 3 | 0 0 | 20 |
| ... | ... | ... | | ... | ... | 15 4 | 15 0 | 9 0 | 20 4 | 20 0 | 14 0 | 10 2 | 10 0 | 7 8 | 20 0 | 20 0 | 20 0 | 1 13 0 | 1 11 0 | 1 14 0 | 21 |
| ... | ... | ... | ... | ... | ... | 13 5 | 13 5 | 7 8 | 32 0 | 32 0 | 11 0 | 9 0 | 9 0 | 6 2 | 18 8 | 18 0 | 16 0 | 2 2 0 | 2 4 0 | 2 8 0 | 22 |
| 10 8 | 9 12 | 11 0 | ... | ... | ... | 9 0 | 9 0 | 6 8 | 14 0 | 14 0 | 11 0 | 6 0 | 6 0 | 5 4 | 14 0 | 14 0 | 14 0 | 2 12 0 | 2 12 0 | 2 12 0 | 23 |
| ... | ... | ... | ... | ... | | 11 [illegible] | 10 8 | 9 0 | 25 0 | 24 12 | 10 8 | 10 0 | 9 0 | 8 0 | 16 0 | 16 0 | 16 0 | 2 8 0 | 2 8 0 | 2 8 0 | 24 |
| ... | ... | ... | ... | ... | ... | Biri or kalai. 13 2 | 13 2 | 9 3 | ... | ... | ... | 13 2 | 13 2 | 10 8 | 22 0 | 22 0 | 22 0 | 1 7 0 | 1 7 0 | 1 13 0 | 25 |
| ... | ... | ... | ... | ... | ... | Chhola. 11 0 / 11 0 / 8 0; Biri. 11 0 / 12 0 / 9 0 | | | ... | ... | ... | 8 0 | 7 0 | 6 8 | 21 4 | 22 0 | 21 0 | 1 12 0 | 1 12 0 | 1 14 0 | 26 |
| ... | ... | ... | ... | ... | ... | Biri. 18 14 | 16 13 | 11 0 | ... | ... | ... | 13 10 | | 8 0 | 16 12 | 16 12 | 16 0 | 1 15 0 | 1 14 0 | 2 4 0 | 27 |
| ... | ... | | ... | ... | ... | 11 13 | 12 7 | 8 8 | ... | ... | ... | 8 8 | 7 14 | 6 3 | 25 0 | 25 0 | 26 0 | 1 9 0 | 1 8 0 | 1 9 0 | 28 |
| ... | ... | ... | ... | ... | ... | 12 0 to 14 0 | 12 0 to 14 0 | 7 0 | ... | ... | ... | 8 8 | 8 8 | 5 5 to 6 0 | 16 0 | 16 0 | 16 0 | 2 4 0 | 2 4 0 | 2 4 0 | 29 |
| 21 0 | 22 8 | 12 0 | ... | ... | ... | 12 0 | 11 0 | 8 8 | 18 8 | 20 0 | 11 0 | 8 8 | 8 8 | 6 4 | 18 0 | 18 0 | 16 0 | 2 4 0 | 2 4 0 | 2 8 0 | 30 |
| 26 0 | 26 0 | 16 0 | ... | ... | ... | 10 8 | 11 0 | 8 0 | 20 0 | 20 0 | 11 8 | 7 8 | 7 8 | 5 0 to 7 8 | 18 0 | 18 0 | 17 0 | 2 3 0 | 2 4 0 | 2 4 0 | 31 |
| ... | ... | ... | ... | ... | ... | 13 8 | 13 8 | 9 0 | 19 2 | 19 2 | 11 13 | 10 2 | 10 2 | 6 12 | 18 9 | 19 2 | 18 9 | ... | ... | ... | 32 |
| ... | ... | ... | ... | ... | ... | 11 8 | 12 0 | 8 0 | 18 0 | 16 0 | ... | 9 0 | 8 0 | 7 0 | 18 0 | 18 0 | 16 0 | 1 14 6 | 1 14 6 | 2 0 0 | 33 |
| ... | ... | ... | ... | ... | ... | 11 0 | 11 0 | 7 8 | ... | ... | ... | 9 0 | 10 0 | 6 8 | 18 0 | 18 0 | 16 0 | 2 0 0 | 2 0 0 | 2 1 0 | 34 |

Published for general information.

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

PRICE PER MAUND OF

| No. | Marts. | Rice (best sort). | | | Common rice. Average. | | | Common rice. Cheapest. | | | Wheat (*Triticum sativum*). | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. |
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 6 0 0 | 6 0 0 | 7 0 0 | 4 8 0 | 4 8 0 | 5 12 0 | 3 [illegible] 0 | 3 4 0 | 4 4 0 | 4 8 0 | 4 8 0 | 5 8 0 |
| 2 | Burdwan ... | 4 2 0 | 4 8 0 | 6 8 0 | 3 4 0 | 3 12 0 | 5 12 0 | 3 2 0 | 3 10 0 | 5 5 0 | ... | ... | ... |
| 3 | Midnapore ... | 4 12 0 | 4 12 0 | 6 12 0 | 3 12 0 / 3 7 0 | Old. 3 12 0 / New. Not sold | ... / 4 4 0 | 3 6 0 / 3 0 0 | Old. 3 6 0 / New. 3 0 0 | ... / 4 1 0 | ... | ... | ... |
| 4 | Patna ... | 6 0 0 | 6 0 0 | 8 0 0 | 3 4 0 | 3 7 0 | 4 12 0 | 3 0 0 | 3 4 6 | 4 4 0 | 3 9 0 | 3 10 6 | 4 10 0 |
| 5 | Muzaffarpur ... | 8 0 0 | 8 0 0 | 10 0 0 | 5 0 0 | 5 0 0 | 6 10 6 | 2 15 3 | [illegible] 2 3 | 4 7 0 | 4 0 0 | 4 0 0 | 5 0 0 |
| 6 | Bhagalpur ... | 3 9 0 | 4 0 0 | 7 0 0 | 3 3 0 | 4 14 0 | 5 14 0 | 2 13 0 | 2 14 0 | 4 14 0 | 4 3 0 | 4 2 0 | 4 13 6 |
| 7 | Cuttack ... | 4 11 3 | 4 11 0 | 7 3 0 | 2 14 6 | 2 14 6 | 3 12 11 | 2 14 6 | 2 14 6 | 3 12 11 | 4 1 3 | 4 1 3 | 5 13 9 |
| 8 | Sambalpur ... | 5 0 0 | 5 0 0 | 5 12 0 | 2 1 9 | 2 5 6 | 3 4 0 | 2 0 0 | 2 4 0 | 3 1 6 | 4 2 0 | 4 5 0 | 5 7 0 |
| 9 | Ranchi ... | 4 7 0 | 4 0 0 | 5 11 0 to 6 10 0 | 2 14 0 | 2 14 0 | 4 7 0 | 2 10 0 | 2 10 0 | 4 0 0 | 4 12 0 | 4 11 0 | 5 8 0 to 5 11 0 |

| No. | Marts. | Indian-corn or Maize (*Zea mays*). | | | Arhar Dal or Thur—Cadjan Pea (*Cajanus indicus*). | | | Linseed. | | | Mustard and Rapeseed. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 2 12 0 | 2 12 0 | 3 4 0 | 4 4 0 | 4 4 0 | 5 12 0 | 6 10 0 | 6 12 0 | 5 4 0 | 5 8 0 | 5 4 0 | 6 0 0 |
| 2 | Burdwan ... | ... | ... | ... | 4 6 0 | 4 4 0 | 5 15 0 | ... | ... | ... | 5 8 0 | 4 14 0 | 7 8 0 |
| 3 | Midnapore ... | ... | ... | ... | ... | ... | 6 0 0 | 6 4 0 | 5 4 0 | 5 8 0 to 5 12 0 | Black Mustard. 5 14 0 / Rapeseed. 5 8 0 | 5 14 0 / 5 8 0 | 6 8 0 / 5 8 0 |
| 4 | Patna ... | 1 11 3 | 1 15 0 | 2 10 0 | 3 0 0 | 3 0 0 | 4 12 0 | 7 2 0 | 7 0 0 | 6 0 0 | 4 7 0 | 4 7 0 | 6 8 0 |
| 5 | Muzaffarpur ... | 1 13 9 | 1 14 6 | 2 13 9 | 3 13 0 | 3 13 0 | 5 0 0 | ... | ... | ... | ... | ... | ... |
| 6 | Bhagalpur ... | 1 15 0 | 2 0 0 | 2 15 0 | 3 15 0 | 4 0 0 | 5 4 0 | 5 10 0 | 5 10 0 | 5 10 0 | Rapeseed. 4 12 0 / Mustard. 4 8 0 | 5 0 0 / 4 4 0 | 6 8 0 / 6 8 0 |
| 7 | Cuttack ... | ... | ... | ... | 3 0 9 | 3 0 9 | 3 12 11 | ... | ... | ... | 5 11 5 | 5 11 5 | 6 13 0 |
| 8 | Sambalpur ... | ... | ... | ... | 4 9 0 | 4 9 0 | 6 10 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 7 0 0 |
| 9 | Ranchi ... | ... | ... | ... | 5 4 0 | 5 4 0 | 5 5 0 to 8 0 0 | 6 12 0 | 6 12 0 | 8 0 0 | 5 4 0 | 4 8 0 to 5 4 0 | 8 0 0 |

*he undermentioned Marts of Bengal on the 15th December 1909.*

ORTY STANDARD SEERS.

| Barley (*Hordeum vulgare*). | | | Juar or Cholum (*Andropogon Sorghum*). | | | Bajra or Cumbu (*Pennisetum typhoideum*). | | | Marua or Ragi (*Eleusine coracana*). | | | Gram, Chana, Chola, Kadalay, or Sunaga (*Cicer arietinum*). | | | Number. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year | Present return | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 12 0 | 2 12 0 | 3 8 0 | ... | ... | ... | 3 0 0 | 3 0 0 | ... | ... | — | — | 3 8 0 | 3 8 0 | 4 12 0 | 1 |
| — | ... | — | — | ... | — | ... | — | ... | ... | ... | ... | 3 4 0 | 3 6 0 | 4 14 0 | 2 |
| ... | ... | ... | — | ... | — | ... | ... | ... | — | ... | ... | — | ... | 5 4 0 to 5 8 0 | 3 |
| 2 1 0 | 1 15 0 | 2 13 0 | ... | ... | ... | ... | ... | ... | 1 13 0 | — | ... | 2 8 0 | 2 10 0 | 3 15 0 | 4 |
| 2 10 6 | 2 10 6 | 3 5 3 | — | ... | — | ... | — | ... | 1 12 3 | 1 12 3 | 3 5 3 | 2 13 9 | 2 13 9 | 4 7 0 | 5 |
| 2 9 0 | 2 14 0 | 3 2 6 | ... | ... | — | ... | ... | ... | — | ... | ... | 2 9 0 | 2 10 0 | 4 3 6 | 6 |
| — | — | ... | ... | ... | — | ... | ... | ... | ... | ... | ... | 3 0 9 | 3 0 9 | 4 5 7 | 7 |
| ... | — | ... | — | — | ... | ... | — | ... | ... | ... | ... | 2 10 6 to 3 1 3 | 2 10 6 to 3 1 3 | 5 7 0 | 8 |
| 3 10 0 | 4 0 0 | 3 12 0 | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 9 0 | 3 8 0 | 5 0 0 | 9 |

| Til or Jinjili seed. | | | Sugar (raw). | | | Cotton (cleaned). | | | Jute. | | | No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | |
| 5 8 0 | 5 4 0 | 5 8 0 | 6 8 0 | 6 12 0 | 5 4 0 | 22 0 0 | 22 0 0 | 18 0 0 | 6 2 | 6 0 0 | 6 0 0 | 1 |
| ... | ... | ... | 6 4 0 | 7 0 0 | 4 8 0 | ... | ... | ... | — | ... | — | 2 |
| ... | ... | — | 8 4 0 | 8 4 0 | 7 8 0 | 27 0 0 | 24 0 0 | 16 0 0 to 21 0 0 | — | — | — | 3 |
| 5 0 0 | 5 0 0 | 6 0 0 | 4 8 0 | 4 8 0 | 4 4 0 to 4 8 0 | 25 8 0 | 25 8 0 | 17 8 0 | ... | ... | — | 4 |
| — | ... | — | 4 0 0 | 4 0 0 | 3 10 0 | — | — | ... | ... | ... | ... | 5 |
| ... | — | 4 0 0 | 5 4 0 | 5 8 0 | 4 8 0 | 23 8 0 | 23 0 0 | 20 0 0 | ... | — | ... | 6 |
| 7 9 10 | 7 9 10 | 6 8 0 | 7 9 10 | 7 9 10 | 5 3 9 | 20 5 0 | 20 5 0 | 20 5 0 | ... | .. | — | 7 |
| 4 0 0 | 4 4 0 | 5 0 0 | 6 8 0 | 6 8 0 | 6 10 0 | ... | ... | ... | 4 4 0 | 4 4 0 | 5 0 0 | 8 |
| ... | ... | ... | 5 0 | 5 4 0 | 6 0 0 | 26 0 0 | 22 8 0 | 23 0 0 | ... | ... | — | 9 |

[*Continued overleaf*

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, &c., in*

| Number. | Marts. | Price per maund of forty standard seers. Ghi (clarified butter). Present return. | Ghi. Next preceding return. | Ghi. Corresponding return of last year. | Tobacco Leaf. Present return. | Tobacco Leaf. Next preceding return. | Tobacco Leaf. Corresponding return of last year. | Hides (cow). Present return. | Hides. Next preceding return. | Hides. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| | | | | | | | | Per 100 pieces. | | |
| 1 | Calcutta ... | 43 0 0 | 43 0 0 | 41 0 0 | 8 4 0 | 8 4 0 | 8 0 0 | 400 0 0 | 390 0 0 | 400 0 0 |
| 2 | Burdwan ... | 39 0 0 | 38 0 0 | 35 0 0 | ... | ... | ... | ... | ... | ... |
| | | | | | | Madhukhali. | | Uncleaned per piece. | | |
| 3 | Midnapore ... | 37 0 0 to 42 0 0 | 37 0 0 to 42 0 0 | 35 0 0 to 40 0 0 | 14 0 0 | 14 0 0 | 12 0 0 | 3 4 0 to 4 0 0 | 3 4 0 to 4 0 0 | 3 0 0 to 3 12 0 |
| | | | | | | Pulta. | | Cleaned per piece. | | |
| | | | | | 15 8 0 | 15 8 0 | 15 0 0 | 3 8 0 to 4 4 0 | 3 8 0 to 4 4 0 | 3 4 0 to 4 0 0 |
| 4 | Patna ... | 32 0 0 to 35 0 0 | 32 0 0 to 35 0 0 | 32 0 0 to 34 0 0 | 4 0 0 | 4 0 0 to 6 0 0 | 2 0 0 to 4 0 0 | ... | ... | ... |
| 5 | Muzaffarpur ... | 35 9 0 | 35 9 0 | 30 7 0 | 20 0 0 | 20 0 0 | 16 0 0 | ... | ... | — |
| 6 | Bhagalpur ... | 36 0 0 | 35 0 0 | 34 0 0 | 10 0 0 | 9 0 0 | 10 0 0 | ... | ... | ... |
| 7 | Cuttack ... | 45 8 6 | 45 8 6 | 47 9 0 | 8 4 0 | 8 4 0 | 6 4 0 | 30 0 0 | 30 0 0 | 30 0 0 |
| 8 | Sambalpur ... | 37 8 0 | 37 0 0 | 36 4 0 to 37 8 0 | 22 0 0 | 22 0 0 | 16 0 0 | 40 0 0 | 42 0 0 | 35 0 0 |
| | | | | | | | | Per lb. | | Per piece. |
| 9 | Ranchi ... | 35 0 0 | 35 8 0 | 35 0 0 | 13 0 0 | 13 0 0 | 8 0 0 to 13 0 0 | 0 8 0 | 0 8 0 | 2 8 0 to 3 0 0 |

| Number. | Marts. | Price per maund of forty standard seers. Firewood. Present return. | Firewood. Next preceding return. | Firewood. Corresponding return of last year. | Salt. Present return. | Salt. Next preceding return. | Salt. Corresponding return of last year. | Bhoosa. Present return. | Bhoosa. Next preceding return. | Bhoosa. Corresponding return of last year. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. |
| 1 | Calcutta ... | 0 8 0 | 0 8 0 | 0 8 0 | 1 8 0 | 1 8 0 | 1 15 0 | 2 0 0 | 2 0 0 | 2 0 0 |
| 2 | Burdwan ... | 0 7 0 | 0 8 0 | 0 8 0 | 1 10 0 | 1 10 6 | 1 12 0 | ... | ... | ... |
| 3 | Midnapore ... | 0 6 0 | 0 6 0 | 0 4 0 | 1 12 0 | 1 12 0 | 1 14 0 | ... | ... | ... |
| 4 | Patna ... | 0 7 0 | 0 6 6 | 0 6 0 | 2 0 0 | 2 0 0 | 2 0 0 | 1 2 0 | 1 3 0 | 1 2 0 |
| 5 | Muzaffarpur ... | 0 4 6 | 0 4 6 | 0 5 3 | 1 14 6 | 1 14 6 | 2 0 0 | 1 0 0 | 1 0 0 | 0 8 0 |
| 6 | Bhagalpur ... | 0 5 6 | 0 5 6 | 0 6 6 | 1 13 0 | 1 14 0 | 1 14 0 | 0 8 0 | 0 8 0 | 0 8 0 |
| 7 | Cuttack ... | 0 6 0 | 0 6 0 | 0 6 0 | 1 7 0 | 1 7 0 | 1 7 0 | ... | ... | ... |
| 8 | Sambalpur ... | 0 5 0 | 0 5 0 | 0 4 0 | 2 4 0 | 2 4 0 | 2 4 0 | ... | ... | ... |
| 9 | Ranchi ... | 0 6 0 | 0 6 0 | 0 5 3 | 2 3 0 | 2 4 0 | 2 4 0 | 2 0 0 | 2 0 0 | 2 8 0 |

CALCUTTA,
*The 20th December 1909.*

*the undermentioned Marts of Bengal on the 15th December 1909*—concld.

| Grass. | | | Straw. | | | Iron. | | | Marts. | Number. |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 1 8 0 | 1 8 0 | 1 8 0 | 0 14 0 | 0 14 0 | 0 12 0 | 6 0 0 | 6 0 0 | 6 4 0 | Calcutta ... | 1 |
| ... | — | — | 0 4 0 | 0 5 0 | 0 7 0 | — | — | — | Burdwan ... | 2 |
| ... | — | ... | 0 6 0 | 0 6 0 | 0 5 0 | 4 0 0 | 4 0 0 | 2 8 0 to 4 0 0 | Midnapor ... | 3 |
| ... | ... | ... | 0 12 0 | 1 0 0 | 0 10 0 | 3 0 0 to 5 0 0 | 3 0 0 to 5 0 0 | 2 4 0 to 4 0 0 | Patna ... | 4 |
| ... | ... | ... | — | ... | ... | 8 0 0 | 8 0 0 | 8 0 0 | Muzaffarpur ... | 5 |
| ... | ... | — | ... | ... | . | 4 0 0 | 4 0 0 | 5 0 0 | Bhagalpur ... | 6 |
| 0 8 0 | 0 8 0 | 0 8 0 | 0 9 0 | 0 9 0 | 0 9 0 | 4 12 0 | 4 12 0 | 4 12 0 | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | Sambalpur ... | 8 |
| 0 7 0 | 0 7 0 | 0 5 0 | 0 10 0 | 0 10 0 | 0 10 0 | 5 0 0 | 5 0 0 | 5 12 0 | Ranchi ... | 9 |

| Bran. | | | Oats. | | | Kerosine oil. | | | Marts. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | Present return. | Next preceding return. | Corresponding return of last year. | | |
| Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | |
| 2 0 0 | 2 0 0 | 2 11 0 | 3 12 0 | 3 10 0 | 5 2 0 | 1 6 6 | Elephant brand. 1 8 0 | ... | Calcutta ... | 1 |
| 2 2 0 | 2 4 0 | 3 8 0 | ... | ... | ... | 1 6 6 | Elephant brand. 1 6 9 | ... | Burdwan ... | 2 |
| ... | ... | 0 5 0 | ... | ... | 5 0 0 | 1 5 6 | Cobra brand. 1 5 6 | ... | Midnapore .. | 3 |
| 2 3 0 | 2 4 0 | 1 14 0 | ... | ... | ... | 1 6 0 | Victoria brand. 1 6 0 | ... | Patna ... | 4 |
| 2 8 0 | 2 8 0 | 3 1 3 | 3 5 3 | 3 10 0 | 4 0 0 | 1 7 0 | Victoria brand. 1 5 9 | ... | Muzaffarpur ... | 5 |
| 1 10 0 | 1 4 0 | 2 0 0 | 3 0 0 | 3 0 0 | 4 0 0 | 1 5 0<br>3 4 0 | Swan brand. 1 4 9<br>Snowflake brand. 3 4 0 | ... | Bhagalpur ... | 6 |
| 0 10 0 | 0 10 0 | 0 10 0 | 3 12 11 | 3 12 11 | 5 1 4 | 1 7 6 | Victoria brand. 1 7 6 | ... | Cuttack ... | 7 |
| ... | ... | ... | ... | ... | ... | 1 8 0 | Victoria brand. 1 8 0 | ... | Sambalpur ... | 8 |
| 2 14 0 | 2 14 0 | 3 0 0 to 3 4 0 | 4 0 0 | 4 0 0 | 5 8 0 | 1 10 0 | Cobra brand. 1 9 0 | ... | Ranchi ... | 9 |

W. R. GOURLAY,
*Offg. Director of Agriculture, Bengal.*

No

*Imports of Principal Articles into the Calcutta Trade Block*

| Whence imported | Food-grains: Rice and paddy: Rice | Food-grains: Rice and paddy: Paddy* | Food-grains: Rice and paddy: Total (in rice) | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Food-grains: Total | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| **BENGAL** | | | | | | | | | | | |
| Burdwan ... ... | 140,829 | 119,630 | 215,598 | 332 | 117 | 27,541 | 1,240 | 244,828 | 25,808,107 | 29 | ..... |
| Birbhum ... ... | 70,662 | 6 | 70,666 | 1,220 | .... | 787 | ..... | 72,073 | ..... | 272 | ..... |
| Bankura ... ... | 6,017 | 464 | 6,307 | ..... | ..... | 204 | ..... | 6,511 | ..... | 396 | ..... |
| Midnapore ... ... | 906,563 | 17,195 | 917,193 | 30 | 43 | 1,266 | 385 | 918,917 | 565 | 1,007 | ..... |
| Hooghly ... ... | 594,614 | 28,695 | 612,530 | 592 | 76 | 24,590 | 293 | 638,090 | 90,664 | 1,023 | ..... |
| 24-Parganas ... | 1,381,974 | 358,702 | 1,604,163 | 1,425 | 16 | 24,702 | ..... | 1,632,306 | 79,409 | 10,276 | ..... |
| Nadia ... ... | 8,768 | 2,019 | 10,020 | 41,968 | 38 | 754,864 | 117,690 | 924,590 | ..... | 7,974 | ..... |
| Murshidabad ... ... | 15,396 | 11,706 | 22,660 | 33,939 | 2 | 232,034 | 33,088 | 321,723 | ..... | 807 | ..... |
| Jessore ... ... | 18,186 | 139 | 18,273 | 2,300 | ..... | 59,867 | 607 | 81,047 | ..... | 5,826 | ..... |
| Khulna ... ... | 10,841 | 59,520 | 57,041 | 400 | ..... | 9,713 | 550 | 67,704 | ..... | 775 | ..... |
| Total Bengal .. | 3,162,090 | 598,017 | 3,535,851 | 82,206 | 292 | 1,135,677 | 153,763 | 4,907,789 | 25,978,745 | 29,285 | ..... |
| **BIHAR** | | | | | | | | | | | |
| Patna ... .. | 37 | ..... | 37 | 20,231 | ..... | 98,803 | 28,439 | 147,600 | ..... | 492 | ..... |
| Gaya ... .. | 47 | ..... | 47 | 36,709 | ..... | 27,177 | 742 | 64,675 | ..... | 399 | ..... |
| Shahabad ... ... | 33 | ..... | 33 | 177,968 | 37 | 133,152 | 3,189 | 314,379 | ..... | 3 | ..... |
| Saran ... ... | 13 | ..... | 13 | 896 | 40 | 14,208 | 342 | 15,499 | ..... | 87 | ..... |
| Champaran ... .. | 22 | ..... | 22 | 21,393 | ..... | 2,436 | 310 | 24,161 | ..... | 1,380 | 22 |
| Muzaffarpur ... ... | 38 | 20 | 51 | 9,440 | 1 | 4,304 | 553 | 14,349 | ..... | 826 | 93 |
| Darbhanga .. ... | 584 | ..... | 584 | 3,362 | ..... | 1,125 | 24 | 5,095 | ..... | 7 | ..... |
| Monghyr ... ... | 12 | ..... | 12 | 59,708 | 2 | 250,530 | 1,486 | 311,738 | 43 | 2,825 | ..... |
| Bhagalpur ... ... | 434 | ..... | 434 | 60,251 | 402 | 54,472 | 5,200 | 120,759 | ..... | ..... | ..... |
| Purnea ... ... | 26 | 191 | 145 | 285 | ..... | 1,777 | 17 | 2,224 | ..... | 205 | 239 |
| Sonthal Parganas ... | 47 | .. | 47 | 63,091 | ..... | 25,656 | 7,715 | 96,513 | 6,234 | 109 | ..... |
| Darjeeling ... ... | ..... | ..... | ..... | ..... | ..... | 6 | ..... | 6 | ..... | ..... | ..... |
| Cooch Behar ... ... | ..... | ..... | ..... | 2,382 | 909 | ..... | ..... | 3,291 | ..... | 62 | ..... |
| Total Bihar ... | 1,293 | 211 | 1,425 | 455,716 | 1,391 | 613,736 | 48,021 | 1,120,289 | 6,277 | 6,395 | 354 |
| **ORISSA** | | | | | | | | | | | |
| Cuttack ... ... | 34,911 | 9,296 | 40,721 | 2,546 | ..... | 8,499 | ..... | 51,766 | ..... | 210 | ..... |
| Balasore ... ... | 160,154 | 16,769 | 170,635 | ..... | 2 | 1,009 | 12 | 171,658 | ..... | 1,039 | ..... |
| Puri ... ... | 82,864 | 1,194 | 83,610 | ..... | 18 | 5 | ..... | 83,634 | ..... | ..... | ..... |
| Sambalpur ... ... | 16,926 | ..... | 16,926 | 2 | ..... | ..... | ..... | 16,928 | ..... | ..... | ..... |
| Mourbhanj State .. | 6,369 | 356 | 6,591 | ..... | ..... | 3 | ..... | 6,594 | ..... | 168 | ..... |
| Total Orissa ... | 301,224 | 27,615 | 318,483 | 2,548 | 20 | 9,516 | 12 | 330,579 | ..... | 1,417 | ..... |
| **CHOTA NAGPUR** | | | | | | | | | | | |
| Hazaribagh ... ... | 8 | ..... | 8 | ..... | ..... | 43 | ..... | 51 | 1,316,393 | 103 | ..... |
| Ranchi ... ... | 15 | ..... | 15 | ..... | ..... | ..... | ..... | 15 | ..... | ..... | ..... |
| Palamau ... ... | ..... | ..... | ..... | ..... | ..... | 69 | ..... | 69 | 490 | 42 | ..... |
| Manbhum ... ... | 47 | 1 | 48 | 1 | 132 | 447 | ..... | 627 | 30,867,950 | 5 | ..... |
| Singhbhum ... | 9,850 | 1,273 | 10,645 | ..... | 28 | 2 | ..... | 10,675 | ..... | 287 | ..... |
| Gangpur (Tributary State) | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total Chota Nagpur | 9,920 | 1,274 | 10,716 | 1 | 160 | 560 | ..... | 11,437 | 32,214,833 | 437 | ..... |
| Total of the Provinces under the Lieutenant-Governor of Bengal | 3,474,527 | 627,117 | 3,866,475 | 540,471 | 1,863 | 1,759,489 | 201,796 | 6,370,094 | 58,199,855 | 37,534 | 354 |
| **OTHER PROVINCES AND PLACES** | | | | | | | | | | | |
| E B and Assam ... | 295,538 | 10,763 | 2,02,265 | 39,658 | 126 | 180,109 | 16,461 | 538,619 | ..... | 162,940 | ..... |
| Burma ... | 4,669,745 | 1,256,267 | 5,394,912 | 2,033 | 44 | 19,316 | 57,223 | 5,473,527 | ..... | 42,324 | ..... |
| U P of Agra and Oudh | 1,976 | ..... | 1,976 | 4,855,187 | 20,098 | 791,943 | 96,508 | 5,765,642 | 6,179 | 33,856 | ..... |
| Panjab ... ... | 563 | ..... | 563 | 38,756 | 1,471 | 41,670 | 3,274 | 85,714 | ..... | 9,332 | ..... |
| Sind and British Baluchistan | 10 | ... | 10 | ..... | ..... | 165 | ..... | 175 | ..... | ..... | ..... |
| Central Provinces and Berar | 26,856 | 2,339 | 28,318 | 326,921 | ..... | 101,386 | 268 | 456,893 | ..... | 47,340 | ..... |
| Bombay ... ... | ..... | ..... | ..... | 696 | ..... | 219 | 2 | 917 | ..... | 34,402 | ..... |
| Madras ... ... | 1,960 | 1,976 | 3,195 | ..... | ..... | 64,318 | 1,332 | 68,845 | ..... | 42,706 | ..... |
| Rajputana and Central India | 1,641 | ..... | 1,641 | 68,926 | ..... | 42,779 | 488 | 113,834 | ..... | 13,893 | ..... |
| Mysore ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Cochin ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| GRAND TOTAL 1909 ... | 8,412,816 | 1,898,462 | 9,599,355 | 5,872,628 | 23,532 | 3,001,394 | 377,351 | 18,874,260 | 58,206,034 | 424,836 | 354 |
| GRAND TOTAL 1908 ... | 8,430,097 | 3,532,785 | 10,638,056 | 1,897,861 | 32,790 | 1,869,583 | 469,623 | 14,907,913 | 75,370,036 | 312,024 | 43 |
| GRAND TOTAL 1907 ... | 5,708,318 | 2,761,890 | 7,424,490 | 2,864,128 | 76,426 | 2,360,020 | 514,984 | 13,259,057 | 67,483,351 | 540,306 | 790 |

* One maund of paddy is
† Including gunny cloth.
‡ Subject to

I

*by Rail, Road, River, Canal and Sea (coastwise) in the six months of April to September 1909*

| Jute. | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | | Whence imported |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw | Gunny bags† | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured | |
| Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | |
| | | | | | | | | | | | **Bengal** |
| 2,082 | 88,307 | 8,770 | 4,635 | ..... | 9 | 5 | 56 | ..... | 3,489 | 19 | Burdwan |
| 7 | 18,795 | 2,194 | 1,203 | 403 | 76 | ... | ..... | . | 86 | 2 | Birbhum |
| ... | 7,595 | 470 | ..... | 2 | 3 | ... | ... | ..... | 165 | 828 | Bankura |
| 2,639 | 86,729 | 8 | 4,225 | 244 | 176 | 40 | 9,619 | ... | 22 | 1 | Midnapore |
| 68,324 | 29,145,176 | 221 | 5,984 | 1,735 | ..... | 897 | 8,986 | ..... | 36,398 | 3,646 | Hooghly |
| 658,791 | 64,937,166 | 175 | 771 | 270 | ..... | 180,422 | 48,870 | ..... | 10,150 | 4,866 | 24-Parganas |
| 369,430 | 253,244 | .. | 93,993 | 1,349 | 3 | 8 | 36,492 | ..... | 14,843 | 10 | Nadia |
| 75,829 | 23,462 | 5,510 | 40,453 | 6,420 | 4,018 | 20 | 558 | .. | 194 | 2 | Murshidabad |
| 86,662 | 21,630 | ..... | 3,718 | 401 | ... | 25 | 56,444 | ..... | 6,118 | ..... | Jessore |
| 175,854 | 6,335 | .. | 607 | 3,193 | ..... | ..... | 16,401 | ... | 139 | ..... | Khulna |
| 1,439,018 | 94,558,439 | 17,338 | 155,589 | 13,937 | 4,285 | 181,417 | 177,426 | ..... | 71,604 | 9,374 | Total Bengal |
| | | | | | | | | | | | **Bihar** |
| 306 | 3,806 | 2,019 | 303,751 | 93,041 | ..... | . | 577 | 3 | 7,705 | 13,866 | Patna |
| ..... | 15,960 | 29,183 | 203,543 | 19,972 | ..... | 66 | 508 | 1 | 390 | 5,950 | Gaya |
| ..... | 4,375 | 71 | 228,692 | 4,933 | ..... | 2,516 | 2,976 | | 7 | 449 | Shahabad |
| 17 | 4,305 | 3,916 | 59,198 | 30,883 | ..... | ..... | 3,085 | ..... | 34 | 6 | Saran |
| 2,832 | 420 | 23 | 210,338 | 78,416 | ..... | ... | 169 | ... | | ... | Champaran |
| 1,808 | 4,605 | ... | 282,329 | 158,875 | ..... | ..... | 445 | ..... | 4,005 | ..... | Muzaffarpur |
| 3,956 | 8,120 | 7 | 226,091 | 101,812 | ... | .. | 670 | 46 | 22,740 | | Darbhanga |
| 3,460 | 17,570 | 48 | 1[illegible],182 | 127,661 | ..... | 2 | ..... | . | 3,017 | 4,196 | Monghyr |
| 9,645 | 7,560 | 173 | 9[illegible],636 | 181,903 | 2 | ..... | 6 | 1 | 1,769 | ..... | Bhagalpur |
| 544,115 | 48,020 | 210 | 9,190 | 80,165 | ..... | ..... | ..... | ..... | 54,063 | 408 | Purnea |
| 16,650 | 12,355 | 31,806 | 20,903 | 160,258 | ... | ..... | ..... | .. | 63 | 136 | Sonthal Parganas |
| 13,593 | 85,575 | 57 | ... | 106 | ..... | ..... | .... | 84,777 | 5,598 | ..... | Darjeeling |
| 92,081 | 665 | ..... | ... | 410* | ..... | ..... | ... | 21 | 8,044 | ... | Cooch Behar |
| 688,463 | 213,386 | 67,543 | 1,749,353 | 1,038,435 | 2 | 2,584 | 8,436 | 84,849 | 107,435 | 25,101 | Total Bihar |
| | | | | | | | | | | | **Orissa** |
| 1,629 | 3,150 | 291 | 30 | 1,184 | ..... | ..... | ..... | ..... | ... | ... | Cuttack |
| 46,949 | 16,559 | 18 | 339 | 79 | ..... | 49 | .. | 1 | 762 | .. | Balasore |
| .. | 1,000 | ..... | ... | 708 | ..... | ..... | 1 | ..... | ..... | ... | Puri |
| 175 | 840 | 236 | ..... | 271 | ..... | ... | ..... | 1 | ..... | ..... | Sambalpur |
| ... | 350 | 16 | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... | Mourbhanj State |
| 48,753 | 21,949 | 561 | 369 | 2,242 | ... | 49 | 1 | 2 | 762 | ..... | Total Orissa |
| | | | | | | | | | | | **Chota Nagpur** |
| . | 10,290 | 2,047 | 1,729 | 745 | ..... | ..... | ..... | ..... | ... | ..... | Hazaribagh |
| .... | 2,660 | 25,488 | ..... | ..... | ..... | ..... | ..... | 1,707 | ... | ..... | Ranchi |
| ..... | 4,900 | 17,917 | 8,699 | 4,566 | ..... | ..... | 2 | 1 | ..... | ..... | Palamau |
| ..... | 7,595 | 74,954 | 70 | 700 | 3 27/45 | ..... | ... | 1 | .... | ... | Manbhum |
| 2 | 6,650 | 10,750 | 4,353 | ... | ... | ..... | ..... | ..... | ... | . | Singhbhum |
| ... | ... | 720 | ... | . | ..... | ..... | ..... | ..... | ..... | ... | Gangpur (Tributary State) |
| 2 | 32,095 | 131,876 | 14,851 | 6,011 | 3 27/45 | ... | 2 | 1,709 | .... | ..... | Total Chota Nagpur |
| 2,176,236 | 94,855,809 | 217,318 | 1,920,162 | 1,060,625 | 4,290 17/45 | 184,050 | 185,865 | 86,560 | 179,801 | 34,475 | Total of the Provinces under the Lieutenant-Governor of Bengal |
| | | | | | | | | | | | **Other Provinces and Places** |
| 8,236,019 | 750,249 | 14,955 | 136,166 | 444,014 | 1,400 | 79 | 1,140 | 713,383 | 155,923 | 75 | E B and Assam |
| ..... | 6,070 | 4,451 | ..... | ..... | ..... | 4,729 | ..... | 5 | 4,255 | 218 | Burma |
| 4,003 | 40,355 | 116,996 | 826,874 | 1,063,328 | ..... | 187 | 4,357 | 1,449 | 704 | 209 | U P of Agra and Oudh |
| ..... | 2,520 | ..... | 394 | 5,688 | ..... | ..... | 70 | 258 | 18 | 2 | Panjab |
| ..... | 995 | ..... | ..... | ..... | ..... | 2,041 | ..... | ..... | ..... | 25 | Sind and British Baluchistan. |
| 631 | 23,870 | 6,749 | 52,466 | 3,458 | ..... | ..... | 4898 | 2 | 53 | 174 | Central Provinces and Berar |
| ..... | 490 | ..... | ..... | .. | 2 | 2,560 | ..... | 88 | 2,267 | 86 | Bombay |
| 13 | 55,760 | ..... | ... | 2,207 | 6 1/4 | 36,404 | 1 | 441 | 7,070 | 438 | Madras |
| ..... | 12,180 | 6,289 | 120,074 | 8,542 | ..... | ..... | 3 | ..... | ..... | 5 | Rajputana and Central India |
| ... | 175 | ..... | ..... | ... | ... | ..... | ..... | ..... | ..... | ..... | Mysore |
| ..... | ..... | ..... | ..... | ..... | ..... | ... | ..... | 15 | ..... | ..... | Cochin |
| 10,416,902 | 95,749,424 | 366,758 | 3,056,136 | 2,587,859 | 5,699 1/10 | 230,050 | 191,025 | 802,171‡ | 350,991 | 35,702 | 1909 } Grand Total |
| 9,084,845 | 76,270,034 | .. | 2,686,655 | 1,719,013 | 7,090 3/5 | 291,309 | 230,795 | 1,003,427 | 357,744 | 27,303 | 1908 } Grand Total |
| 8,422,338 | 89,071,332 | ... | 4,225,917 | 2,217,068 | 9,628 | 262,494 | 226,674 | 1,137,209 | 412,070 | 24,917 | 1907 } Grand Total |

equivalent to 25 seers of rice
2 yards = 1 bag
revision.

## No II

*Statement of the Routes by which the Articles enumerated in Table No I were imported into the Calcutta Trade Block in the six months of April to September 1909*

| Routes | Food-grains: Rice | Food-grains: Paddy* | Food-grains: Wheat | Food-grains: Wheat flour | Food-grains: Gram and pulse | Food-grains: Other food-grains | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|
| | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| By boat ... ... ... | 2,049,942 | 382,318 | 29,198 | 135 | 531,579 | 1,168 | 1,912 | 11,513 | ..... |
| „ river steamer ... | 63,849 | 23,915 | 5,319 | 39 | 112,006 | 2,223 | 48 | 70,168 | ..... |
| „ rail: E. I. Railway | 131,142 | 37,650 | 5,442,383 | 22,221 | 1,488,490 | 149,732 | 36,084,055 | 65,967 | 354 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 467,994 | 96,832 | 78,612 | 1,035 | 706,255 | 165,404 | 436,958 | 20,212 | ..... |
| „ rail: A.-B. Railway ... | 6 | ..... | ..... | ..... | ..... | ..... | ..... | 3,811 | ..... |
| „ rail: B.-N. Railway ... | 397,572 | 42,122 | 315,083 | 58 | 82,415 | 270 | 11,585,640 | 58,049 | ..... |
| „ rail: D.-S. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: B.-P. Railway ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 17,417 | 156 | ..... | ..... | 5 | ..... | ..... | ..... | ..... |
| „ road ... | 643,868 | 52,493 | ..... | ..... | 1,947 | .... | 97,426 | 4,680 | ..... |
| „ sea ... ... ... | 4,041,026 | 1,203,976 | 2,033 | 44 | 78,688 | 58,554 | ..... | 189,936 | ..... |
| Total ... 1909 ... | 8,412,816 | 1,898,402 | 5,872,628 | 23,532 | 3,001,394 | 377,351 | 58,206,034 | 424,336 | 354 |
| Total ... 1908 ... | 8,430,097 | 3,532,735 | 1,897,861 | 32,790 | 1,869,583 | 469,623 | 75,370,036 | 312,024 | 43 |
| Total ... 1907 ... | 5,708,318 | 2,761,890 | 2,864,128 | 76,426 | 2,369,020 | 514,984 | 67,483,351 | 540,306 | 790 |

| Routes | Jute: Raw | Jute: Gunny-bags† | Lac | Oilseeds: Linseed | Oilseeds: Rape and mustard | Silk, raw | Sugar: Refined | Sugar: Unrefined | Tea, Indian | Tobacco: Unmanufactured | Tobacco: Manufactured |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mds | No. | Mds. | Mds | Mds | Mds | Mds | Mds | Mds | Mds. | Mds |
| By boat ... ... ... | 1,058,157 | 92,608,104 | 385 | 81,687 | 31,576 | ..... | 3,783 | 87,984 | ..... | 45,621 | 659 |
| „ river steamer ... | 1,685,705 | 128,275 | 7,448 | 54,967 | 348,923 | 2,400 | 91 | 3,634 | 368,335 | 7,755 | 17,956 |
| „ rail: E. I. Railway | 302,775 | 303,800 | 227,754 | 2,696,033 | 2,038,021 | 142 | 2,705 | 12,762 | 1,789 | 33,704 | 6,843 |
| „ rail: E. B. S. Railway (including B. C. Railway) | 7,064,567 | 1,640,520 | 16,050 | 159,765 | 159,580 | 3,136 | 38 | 51,247 | 299,704 | 231,445 | 24 |
| „ rail: A.-B. Railway | 37,545 | 3,010 | 12 | ..... | 1,433 | ..... | ..... | ..... | 71,707 | 141 | 23 |
| „ rail: B.-N. Railway | 2,549 | 62,755 | 110,678 | 59,167 | 6,915 | 7,[illegible] | 8,785 | 491 | 1,710 | 10,202 | 1,146 |
| „ rail: D.-S. Railway | ..... | 805 | ..... | ..... | ..... | 8 | ..... | ..... | 52,958 | ..... | ..... |
| „ rail: B.-P. Railway | ..... | 525 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| „ rail: Howrah-Amta and Howrah-Sheakhala Light Railways | 1,918 | 32,455 | ..... | ..... | ..... | ..... | ..... | 2 | ..... | 35 | 9 |
| „ road ... ... ... | 216,927 | 907,855 | ..... | 2,420 | ..... | ..... | 177,650 | 35,805 | ..... | 16,840 | 8,464 |
| „ sea ... ... ... | 46,459 | 71,320 | 4,451 | 87 | 1,411 | 6 | 36,998 | ..... | 5,968 | 5,250 | 577 |
| Total ... 1909 ... | 10,416,902 | 95,749,424 | 366,758 | 3,056,136 | 2,587,859 | 5,699½ | 230,050 | 191,925 | 802,171‡ | 350,991 | 35,702 |
| Total ... 1908 ... | 9,084,845 | 76,270,034 | ..... | 2,686,655 | 1,719,013 | 7,090¾ | 291,309 | 230,795 | 1,003,427 | 357,744 | 27,993 |
| Total ... 1907 ... | 8,422,338 | 89,071,332 | ..... | 4,225,917 | 2,217,068 | 9,628 | 262,494 | 226,674 | 1,137,209 | 412,070 | 24,917 |

* One maund of paddy is equivalent to 25 seers of rice
† Including gunny cloth, 2 yards = 1 bag
‡ Subject to revision.

## No III

*Imports of certain Articles into Calcutta by Sea (Foreign and Coastwise) in the six months of April to September 1909*

| | Cotton twist and yarn | | Cotton piece-goods | | Kerosine oil | Salt |
|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | |
| *From Foreign Countries—* | Mds | Mds | Rs | Rs | Mds | Mds |
| United Kingdom ... ... ... ... ... ... | 46,816 | ..... | 8,23,94,025 | ..... | ..... | 1,612,939 |
| Other countries ... ... ... ... ... ... | 10,709 | ..... | 12,73,807 | ..... | 1,047,539 | 4,015,672 |
| Total ... | 57,525 | ..... | 8,36,67,832 | ..... | 1,047,539 | 5,628,661 |
| *Coastwise—* | | | | | | |
| From British ports in— | | | | | | |
| Bengal ... ... ... ... ... ... ... ... | ..... | 127 | ..... | ..... | ..... | ..... |
| Bombay ... ... ... ... ... ... ... ... | 282 | 69,545 | 22,663 | 62,47,947 | ..... | 374,233 |
| Sind and British Baluchistan ... ... ... ... | 76 | ..... | 525 | 2,949 | ..... | ..... |
| Madras ... ... ... ... ... ... ... ... | ..... | ..... | 2,007 | 2,78,291 | ..... | 2,000 |
| Burma ... ... ... ... ... ... ... ... | ..... | 140 | 9,466 | 27,769 | 1,839,047 | ..... |
| Total ... | 358 | 69,812 | 34,661 | 65,56,956 | 1,839,047 | 376,233 |
| Total 1909 ... | 57,883 | 69,812 | 8,37,02,493 | 65,56,956 | 2,886,586 | 6,004,894 |
| Total 1908 ... | 73,114 | 72,117 | 7,28,16,635 | 65,26,952 | 2,952,016 | 6,764,736 |
| Total 1907 ... | 76,704 | 70,903 | 11,48,47,278 | 72,26,195 | 2,739,521 | 7,812,070 |

## No IV

*Exports of Principal Articles from Calcutta by Sea (Coastwise and to Foreign countries) in the six months of April to September 1909*

| | Food-grains | | | | | | | | Coal and coke | Cotton, raw | Indigo |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Rice | Paddy | Total (in rice) | Wheat | Wheat flour | Gram and pulse | Other food-grains | Total | | | |
| *Coastwise—* | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... ... | 1,450 | ..... | 1,450 | 8 | 1,315 | 576 | 1 | 3,350 | 8,954 | 4 | ..... |
| Eastern Bengal and Assam | ..... | ..... | ..... | 4 | 7,380 | 2,027 | 81 | 9,492 | 387,292 | ..... | ..... |
| Bombay ... | 42,736 | ..... | 42,736 | ..... | ..... | ..... | 2,544 | 45,280 | 9,905,377 | ..... | 37 |
| Sind and British Baluchistan | 400 | ..... | 400 | ..... | ..... | ..... | ..... | 400 | 7,251,220 | ..... | ..... |
| Madras ... .. | 30,008 | 38,055 | 54,693 | 501 | 28,482 | 149,657 | 1,291 | 214,623 | 5,138,822 | ..... | 146 |
| Burma ... .. | 19,667 | ..... | 19,667 | 12,608 | 143,434 | 194 108 | 20,533 | 390,350 | 5,194,761 | 36 | 1 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pondichery ... | ..... | ..... | ..... | ..... | 1,632 | 1,317 | ..... | 2,949 | 357,346 | 7,268 | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 883,306 | ..... | ..... |
| Alleppey ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Total ... | 95,161 | 38,055 | 118,945 | 13,121 | 182,243 | 347,685 | 24,450 | 686,444 | 29,127,068 | 7,308 | 184 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 317,138 | 4 | 317,141 | 2,890,905 | 1,123 | 407,925 | 69,934 | 3,686,328 | 2,069 | 15,681 | 1,199 |
| Other countries | 2,184,562 | 55 | 2,184,596 | 618,529 | 66,706 | 701,750 | 19,676 | 3,591,257 | 7,526,392 | 170,389 | 2,087 |
| Total ... | 2,501,700 | 59 | 2,501,737 | 3,509,434 | 67,829 | 1,109,675 | 88,910 | 7,277,585 | 7,528,461 | 186,070 | 3,286 |
| Total ... 1909 ... | 2,596,861 | 38,114 | 2,620,682 | 3,522,555 | 250,072 | 1,457,360 | 113,360 | 7,964,029 | 36 655,529 | 193,378 | 3,470 |
| Total ... 1908 ... | 1,190,315 | 97,343 | 1,251,154 | 33,383 | 146,119 | 370,026 | 42,277 | 1,842,956 | 45,611,291 | 125 462 | 4,302 |
| Total ... 1907 . | 2,167,524 | 2 | 2,167,525 | 172,690 | 292,150 | 642,394 | 57,087 | 3,331,946 | 37,848,772 | 344,562 | 2,689 |

| | Jute | | Lac | Oilseeds | | Silk, raw | Sugar | | Tea, Indian | Tobacco | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Raw | Gunny-bags | | Linseed | Rape and mustard | | Refined | Unrefined | | Unmanufactured | Manufactured |
| *Coastwise—* | Mds | No | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds | Mds |
| To British ports in— | | | | | | | | | | | |
| Bengal ... . | ..... | 32,600 | ... | ..... | ..... | ..... | 2,718 | 14 | 8 | 5,188 | 46 |
| Eastern Bengal and Assam | ..... | 105,060 | 1 | ..... | ..... | ..... | 7,751 | 4,218 | 16 | 10 | 30 |
| Bombay ... ... | ..... | 8,622,845 | ..... | ..... | 40,333 | ..... | 2,480 | ..... | 10,734 | ..... | 365 |
| Sind and British Baluchistan | ..... | 4,785,600 | ..... | .... | ..... | ..... | ..... | ..... | 549 | ..... | 855 |
| Madras ... ... | ..... | 3,069,250 | 318 | 55 | 9,233 | ..... | 1,907 | 4,099 | 609 | 112 | 1,057 |
| Burma ... | 271 | 11,686,494 | 30 | 125 | ..... | 108 | 22,346 | 10,704 | 4,465 | 119,091 | 5,663 |
| To Indian ports not British— | | | | | | | | | | | |
| Kathiawar ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 33 | ..... | ..... |
| Pondichery ... | ..... | 310,500 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Goa ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Alleppey ... | 19 | 24,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 |
| Total ... | 290 | 28,639,349 | 349 | 180 | 49,566 | 108 | 37,202 | 19,035 | 16,414 | 124,401 | 8,026 |
| *To Foreign countries—* | | | | | | | | | | | |
| United Kingdom | 1,523,274 | 21,687,422 | 70,079 | 1,744 154 | 62,621 | 1,403 | ..... | ..... | 712,602 | 46 | 39 |
| Other countries | 2,570,993 | 404 359,385 | 226,243 | 1,391,398 | 1,007,038 | 3,631 | 57 | 7 | 229,899 | 13,940 | 824 |
| Total ... | 4,094,267 | 436,046,807 | 297,222 | 3,135,552 | 1,069,659 | 5,034 | 57 | 7 | 942,501 | 13,986 | 863 |
| Total ... 1909 .. | 4,094,557 | 454,686,156 | 297,571 | 3,135,682 | 1,119,225 | 5,142 | 37,259 | 19,042 | 958,915* | 138,387 | 8,889 |
| Total ... 1908 ... | 7,213,244 | 382,348,308 | ..... | 2,396,603 | 596,167 | 5,385 | 22,154 | 10,303 | 920,922 | 117,677 | 4,949 |
| Total ... 1907 ... | 5,122,191 | 389,533,672 | ..... | 4,365,865 | 602,242 | 9,047 | 34,909 | 13,302 | 989,868 | 170,844 | 8,023 |

* Subject to revision.

## No V

*Exports of certain Articles from the Calcutta Trade Block by Rail, Road, River, Canal and Sea (coastwise) in the six months of April to September 1909*

| Whither exported | Cotton twist & yarn | | Cotton piece-goods* | | Gunny bags† | Kerosene oil | | Salt |
|---|---|---|---|---|---|---|---|---|
| | European | Indian | European | Indian | | From Calcutta block | From Budge Budge | |
| **Bengal** | Mds | Mds | Rs | Rs | No | Mds | Mds | Mds |
| Burdwan | 1,286 | 5,750 | 13,78,897 | 1,43,567 | 313 271 | 13,146 | 60,507 | 151,422 |
| Birbhum | 691 | 7,191 | 9,83,266 | 74,414 | 178,955 | 237 | 24,994 | 110,928 |
| Bankura | 326 | 4,070 | 2,41,288 | 4,043 | 15,715 | 3 | ..... | 63,300 |
| Midnapore | 4,465 | 6,425 | 13,26,896 | 3,11,634 | 151,134 | 874 | 55,815 | 233,678 |
| Hooghly | 2,898 | 1,749 | 8,91,561 | 5,61,064 | 234,266 | 28,575 | 67,058 | 143,432 |
| 24-Parganas | 3,185 | 1,234 | 8,90,476 | 7,10,313 | 266,661 | 83,153 | 46,015 | 109,119 |
| Calcutta | ..... | ..... | ..... | ..... | ..... | ..... | 443,065 | ..... |
| Nadia | 4,019 | 10,775 | 21,23,109 | 3,33,946 | 469,082 | 9,706 | 97,391 | 159,195 |
| Murshidabad | 580 | 5,016 | 9,07,318 | 1,28,099 | 277,935 | 1,907 | 53,740 | 132,933 |
| Jessore | 343 | 4,784 | 58,475 | 6,29,104 | 24,145 | 5,900 | 30,566 | 71,514 |
| Khulna | 170 | 1,363 | 1,23,425 | 5,64,555 | 49,525 | 24,521 | 19,094 | 57,927 |
| Total Bengal | 17,963 | 48,357 | 89,24,711 | 34 57,739 | 1,980,680 | 168,025 | 899,145 | 1,233,538 |
| **Bihar** | | | | | | | | |
| Patna | 2,3 9 | 3,710 | 11,56,765 | 13,258 | 637,540 | 2,646 | 114,698 | 232,332 |
| Gaya | 104 | 5,986 | 7,39,977 | 8,510 | 150,955 | 158 | 38,504 | 11 ,052 |
| Shahabad | 100 | 2,904 | 17,22,341 | 18,315 | 380 03 | 201 | 25,358 | 93,802 |
| Saran | 266 | 1,302 | 18,54,710 | 2,323 | 132,720 | 328 | 31,298 | 141,578 |
| Champaran | 60 | 1,112 | 20,02,118 | 44,961 | 187,110 | 702 | 30,207 | 147,312 |
| Muzaffarpur | 26 | 977 | 14 8 ,042 | 15,058 | 391,93 | 201 | 34 392 | 171,250 |
| Darbhanga | 83 | 5,497 | 13,95,109 | 28,050 | 117,845 | 169 | 55,643 | 109,956 |
| Monghyr | 400 | 5,681 | 14,51,641 | 27,055 | 355 915 | 642 | 47,511 | 171,336 |
| Bhagalpur | 580 | 3,483 | 19,78,775 | 32,962 | 240,310 | 142 | 57,750 | 156,872 |
| Purnea | 217 | 4,095 | 14,85,040 | 3 ,536 | 64,610 | 81 | 44,016 | 171,979 |
| Sonthal Parganas | 237 | 8,856 | 7,25,241 | 9,233 | 214,410 | 151 | 54,617 | 137,1 1 |
| Darjeeling | ..... | 1,272 | 3,01,127 | 7 ,151 | 34,230 | 881 | 14,057 | 40,049 |
| Cooch Behar | 66 | 279 | 3,44,880 | 42,355 | 13,085 | 145 | 7,057 | 28,571 |
| Total Bihar | 4,848 | 45,164 | 1,72,06,757 | 3,57,067 | 2,922 290 | 6,447 | 555,708 | 1,802,360 |
| **Orissa** | | | | | | | | |
| Cuttack | 2,957 | 14,819 | 4,00,814 | 95,397 | 116,725 | 173 | ..... | 12,683 |
| Balasore | 1,720 | 12,744 | 1,87,734 | 8, 22 | 150,380 | 48 | 12,039 | 129,986 |
| Puri | 52 | 1, 68 | 93,693 | 2,887 | 24,205 | 48 | ... | 13 |
| Sambalpur | 127 | 85 | 1,22,905 | 1,235 | 58 240 | 1 5 | ..... | 46 |
| Mourbhanj State | ..... | 345 | 43,034 | 152 | 13,860 | 7 | ..... | 18,260 |
| Total Orissa | 4,856 | 29,261 | 8,48,180 | 1,08,653 | 362 410 | 384 | 12,039 | 160,982 |
| **Chota Nagpur** | | | | | | | | |
| Hazaribagh | 34 | 3,256 | 2,72,359 | 22,864 | 13,160 | 386 | 6,866 | 61,907 |
| Ranchi | 8 | 1,632 | 3,06,410 | 26,848 | 11,305 | 70 | 1,360 | 65,584 |
| Palamau | 9 | 73 | 2,88,288 | 5,391 | 17,535 | 469 | 4,507 | 40,085 |
| Manbhum | 26 | 4,609 | 7,44,913 | 21,193 | 44 529 | 1,166 | 29,617 | 116,897 |
| Singhbhum | 10 | 534 | 1,70,081 | 7,693 | 34,68 | 347 | 1,432 | 70,636 |
| Gangpur (Tributary State) | ..... | 100 | 37,830 | 101 | 5,985 | 59 | 5 | 663 |
| Total Chota Nagpur | 91 | 10,204 | 18,25,911 | 84,030 | 127 085 | 2,497 | 43,787 | 356,732 |
| Total Exports to the Provinces under the Lieutenant-Governor of Bengal | 27,758 | 133,006 | 2,88,05,559 | 40,06,949 | 5,392,474 | 177,353 | 1,510,679 | 3,553,612 |
| **Other Provinces and Places** | | | | | | | | |
| E B and Assam | 44,841 | 37,848 | 2,13,67,718 | 35,77,740 | 1,240,322 | 89,838 | 745,603 | 2,105,223 |
| Burma | 5,019 | 23,259 | 2,60,189 | 1,62,770 | 11,686,494 | ..... | 328 | 190 |
| U P of Agra and Oudh | 5,058 | 1,774 | 1,63,21,105 | 5 52,373 | 4 043,690 | 5,083 | 470,053 | 232,389 |
| Panjab | 3,207 | 699 | 38,08,800 | 1,19,844 | 3,616 025 | 4,1 6 | 24,903 | 190 |
| Sind and British Baluchistan | ..... | ..... | 877 | ..... | 4,907,580 | ..... | ..... | ..... |
| Kashmir State | ..... | ..... | 1,437 | ..... | 35 | ..... | ..... | ..... |
| Central Provinces and Berar | 369 | 172 | 5,93,510 | 13,748 | 1,012,095 | 361 | 16,760 | 1,986 |
| Bombay | ..... | ..... | 41,192 | 8,766 | 9,951,760 | ..... | ..... | ..... |
| Madras | 953 | 5,523 | 2,68,514 | 27,714 | 3,491,665 | 418 | 3 | 578 |
| Rajputana and Central India | 455 | 13 | 2,27,153 | 5,288 | 150,310 | 42 | 17,888 | 3 |
| Nizam's Territory | 165 | 24 | 94,161 | 1,003 | 110,040 | ..... | ..... | ..... |
| Mysore | ..... | ..... | 1,085 | 205 | 25,305 | ..... | ..... | ..... |
| Alleppey | ..... | ..... | ..... | ..... | 24 000 | ..... | ..... | ..... |
| Pondicherry | ..... | ..... | ..... | ..... | 310,590 | ..... | ..... | ..... |
| Port Blair | 3 | 471 | 5,680 | 120 | 300 | ..... | 217 | ..... |
| Grand Total 1909 | 87,828 | 205,789 | 7,22,96,980 | 84,76,520 | 45,868,595 | 277,221 | 2,786,409 | 5,894,170 |
| Grand Total 1908 | 79,640 | 223,213 | 8,04,05,815 | 78,38,373 | 41,523,289 | 230,641 | 2,543,117 | 5,436,270 |
| Grand Total 1907 | 111,923 | 210,577 | 7,70,89,911 | 51,49,058 | 50,458,819 | 255,038 | 2,402,643 | 5,489,248 |

* The value rates are fixed quarterly, and the monthly valuation is made at the value rates of the preceding quarter

† Including gunny cloth, 2 yards = 1 bag

## SUMMARY OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL AND IN EASTERN BENGAL AND ASSAM FOR THE MONTH OF OCTOBER 1909.

On the first of the month general rain was reported from Bihar, but generally during the first week rainfall was confined to Eastern Bengal and Assam. Skies were moderately to heavily clouded except towards the close of the week when they cleared almost completely in the western districts. Temperature was normal or in defect. During the second week only a few scattered falls of rain occurred. Skies were clear over a large part of the Division and lightly to moderately clouded elsewhere. Temperature agreed with the normal. During the third week heavy rain fell in Eastern Bengal and Assam under the influence of a cyclone from the Bay, but practically no rain fell in Orissa, Chota Nagpur and Bihar. Skies were clear or only lightly clouded before and after the storm. Temperature fell considerably over the area affected by the storm. During the fourth week a few falls occurred in the coast districts. Cloud spread over the greater part of the Division on account of a second cyclone in the Bay from the 25th to the 27th, and during this period owing to diminution in radiation night temperature became in excess.

In the Bay the important feature of the weather was the occurrence of two severe cyclones. The first entered the Andaman Sea on the 14th from the Gulf of Siam, probably crossing the Tenasserim peninsula to the south of Mergui. It moved rapidly in a north-westerly direction afterwards curving through north and north-east, crossed the Bengal coast to the east of Saugor Island and finally broke up in Eastern Bengal on the 19th. It did considerable damage to the river shipping at Goalundo and to country boats on the rivers in Eastern Bengal. The second storm was generated over the Andaman Sea on the 22nd and passed between Slipper Island and Diamond Island, moving probably initially in a north-westerly direction. It gradually, however, changed its course to west, and finally crossed the coast between Puri and Gopalpur during the night of the 26th. It caused much damage during its passage inland.

*Summary of temperature.*—The mean temperature for the month was approximately normal over the whole reporting area. The highest temperature (94°) was reported from Buxar and the lowest (54°·5) was reported from Daltonganj.

The following table gives the summary of the temperature of each of the seven meteorological divisions of the Provinces of Eastern Bengal and Assam and of Bengal for the month of October 1909:—

| Meteorological Divisions. | Temperature. | | | | | |
|---|---|---|---|---|---|---|
| | Highest observed during month. | Lowest observed during month. | Average for month. | | | Average mean of month above or below normal mean of month. |
| | | | Of highest of each day. | Of lowest of each day. | Of mean for each day. | |
| Assam ... ... | 92·8 | 63·0 | 86·7 | 73·0 | 79·9 | + 0·9 |
| Eastern Bengal, North ... .. | 91·9 | 64·0 | 87·2 | 72·7 | 80·0 | + 0·5 |
| Eastern Bengal, South ... ... | 91·6 | 58·9 | 86·9 | 74·7 | 80·8 | + 0·4 |
| Bengal ... .. ... | 93·3 | 62·5 | 88·4 | 73·9 | 81·2 | + 0·1 |
| Bihar ... ... ... | 94·0 | 59·2 | 88·8 | 70·6 | 79·7 | + 0·3 |
| Chota Nagpur* ... ... ... | 92·1 | 54·5 | 86·5 | 66·4 | 76·5 | + 0.1 |
| Orissa ... ... ... | 93·6 | 60·0 | 89·5 | 72·6 | 81·1 | — 0·1 |

* Purulia not included.

*Summary of rainfall.*—The rainfall work of the area under report has been handed over to the Director of Agriculture. A short table, however, is attached to this report, giving actual and normal rainfall at the principal stations of each district.

Rainfall was in excess in Eastern Bengal and Assam and in defect elsewhere.

*Actual and average rainfall and departure from normal for October 1909.*

| Meteorological Division. | District. | Station. | Actual. | Normal. | Departure from normal. |
|---|---|---|---|---|---|
| Eastern Bengal, North. | Rajshahi ... ... ... | Rampur Boalia ... ... | 4·45 | 4·46 | — 0·01 |
| | Malda ... ... ... | Malda ... ... ... | 4·10 | 4·18 | — 0·08 |
| | Dinajpur ... ... ... | Dinajpur ... ... ... | 4·88 | 4·30 | + 0·58 |
| | Jalpaiguri ... | Jalpaiguri ... ... | 12·20 | 4·78 | + 7·42 |
| | Cooch Behar ... ... | Cooch Behar ... ... | 9·87 | 4·79 | + 5·08 |
| | Rangpur ... ... ... | Rangpur ... ... ... | 7·03 | 4·94 | + 2·09 |
| | Bogra ... ... ... | Bogra ... ... ... | 7·00 | 4·58 | + 2·42 |
| | Pabna ... ... ... | Sirajganj ... ... ... | 6·32 | 4·37 | + 1·95 |
| Eastern Bengal, South. | Dacca ... ... ... | Narayanganj ... ... | 15·25 | 4·05 | +11·20 |
| | Mymensingh ... ... | Mymensingh ... .. | 5·82 | 5·35 | + 0·47 |
| | Faridpur ... ... ... | Faridpur ... ... ... | 5·60 | 4·49 | + 1·11 |
| | Backergunge ... ... | Barisal ... ... ... | 6·47 | 5·46 | + 1·01 |
| | Tippera ... ... ... | Comilla ... ... ... | 6·52 | 5·43 | + 1·09 |
| | Noakhali ... ... ... | Noakhali ... ... ... | 9·61 | 7·92 | + 1·69 |
| | Chittagong ... ... | Chittagong ... ... | 14·02 | 6·41 | + 7·61 |
| | | Cox's Bazar ... ... | 7·86 | 8·32 | — 0·46 |
| Bengal .. | Burdwan ... ... | Burdwan ... ... ... | 1·73 | 3·93 | — 2·20 |
| | | Raniganj ... ... ... | 0·28 | 3·22 | — 2·94 |
| | Bankura ... ... ... | Bankura ... ... ... | 0·42 | 4·05 | — 3·63 |
| | Midnapore ... ... | Midnapore ... ... | 3·08 | 4·42 | — 1·34 |
| | 24-Parganas ... ... | Saugor Island ... ... | 6·01 | 9·13 | — 3·12 |
| | Calcutta ... ... .. | Calcutta ... ... ... | 3·77 | 3·87 | — 0·10 |
| | Nadia ... ... ... | Krishnagar ... ... | 5·19 | 4·20 | + 0 99 |
| | Murshidabad ... ... | Berhampore ... ... | 2·87 | 4·71 | — 1·84 |
| | Jessore ... ... ... | Jessore ... ... ... | 13·35 | 5·30 | + 8·05 |
| Bihar ... | Patna ... ... ... | Bankipore ... ... ... | 1·00 | 2·89 | — 1·89 |
| | Gaya ... ... ... | Gaya ... ... ... | 0·17 | 2·32 | — 2·15 |
| | Shahabad ... ... | Dehri ... ... ... | 0·10 | 2·49 | — 2·39 |
| | | Buxar ... ... .. | 0·93 | 2·97 | — 2 04 |
| | | Arrah ... ... .... | 0·05 | 2·77 | — 2·72 |
| | Saran ... ... ... | Chapra ... ... ... | 0·72 | 2·63 | — 1·91 |
| | Champaran ... ... | Motihari ... ... ... | 4·14 | 3·38 | + 0·76 |
| | Muzaffarpur ... ... | Muzaffarpur ... ... | 3·54 | 2·92 | + 0·62 |
| | Darbhanga ... ... | Darbhanga ... ... | 1·03 | 2·80 | — 1·77 |
| | Monghyr ... ... ... | Monghyr ... ... | 0·78 | 3·45 | — 2·67 |
| | Bhagalpur ... ... | Bhagalpur ... ... | 2·15 | 3·54 | — 1·39 |
| | Purnea ... ... ... | Purnea ... ... ... | 6·34 | 3·43 | + 2·91 |
| | Sonthal Parganas ... | Naya Dumka ... ... | 0·88 | 3·91 | — 3·03 |
| | Darjeeling ... ... | Darjeeling ... ... | 3·92 | 5·35 | — 1·43 |
| Chota Nagpur ... | Hazaribagh ... ... | Hazaribagh ... ... | 0·24 | 3·31 | — 3·25 |
| | Ranchi ... ... ... | Ranchi ... ... | 2·60 | 2·99 | — 0·39 |
| | Singhbhum ... ... | Chaibassa ... ... | 0·95 | 2·68 | — 1·73 |
| | Palamau ... ... ... | Daltonganj ... ... | Nil | 2·40 | — 2·40 |
| | Manbhum ... ... | Purulia ... ... ... | 2·11 | 3·24 | — 1·13 |
| Orissa ... | Sambalpur ... ... | Sambalpur ... ... | 0·04 | 2·13 | — 2·09 |
| | Angul ... ... ... | Angul ... ... .. | 1·00 | 4·32 | — 3·32 |
| | Cuttack ... ... ... | Cuttack ... ... ... | 1·23 | 5·73 | — 4·50 |
| | | False Point ... ... | 2·15 | 9·56 | — 7·41 |
| | Balasore ... ... ... | Balasore ... ... ... | 1·04 | 6·59 | — 5·55 |
| | Puri ... ... ... | Puri ... ... ... | 2·77 | 8·23 | — 5·46 |

METEOROLOGICAL OFFICE, BENGAL,

*The December 1909.*

*Meteorologist, Calcutta.*

# IRRIGATION DEPARTMENT, BENGAL.

## IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1909-10.

*Area leased for irrigation up to end of November 1909*

| Circle. | District. | Canal. | Estimated full discharge. | Average discharge in month. | Discharge utilized. | Approximate area of land irrigated during the year up to the end of the month. | Approximate area of land under irrigation up to the same date last year. | Details of areas leased. Long-term leases. | Season leases. Kharif. | Rabi. | Sugarcane. | Hot-weather. | Total. | Grand Total. | Rainfall, 1909-10. During month. | Up to end of month. | Rainfall, 1908-09. During month. | Up to end of month. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | C. ft. | C. ft. | C. ft. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Inches. | Inches. | Inches. | Inches. | |
| Orissa | Cuttack | Taldanda system ... ... ... | 1,400 | 713 | 360 | 78,192 | 74,543 | 76,623 | 2,555 | 14 | ... | ... | 2,569 | 78,192 | 0·00 | 66·21 | 0·00 | 69·23 | Average rainfall of Kulsai, Balia and Jagatsingpur. |
| | | Kendrapara do. ... ... ... | 2,085 | 1,237 | 625 | 100,220 | 100,399 | 99,941 | 230 | ... | ... | 49 | 279 | 100,220 | 0·00 | 68·63 | 0·00 | 55·10 | Average rainfall of Kendupatna, Marsaghai, Kendrapara, Nurtang and Ichapur. |
| | | High Level, Range I ... ... | 608 | 365 | 168 | 27,173 | 27,676 | 27,173 | ... | ... | ... | ... | ... | 27,173 | 0·00 | 63·48 | 0·00 | 52·02 | Average rainfall of Cuttack and Jenapur. |
| | | Ditto, Range II ... ... | 738 | 95 | 87 | 5,434 | 5,428 | 5,434 | ... | ... | ... | ... | ... | 5,434 | 0·00 | 64·19 | 0·00 | 53·75 | Average rainfall of Jenapur and Akhoyapada. |
| | | Jajpur Canal ... ... ... ... | 700 | 116 | 111 | 19,019 | 21,177 | 18,959 | 54 | ... | 5 | 6 | 65 | 19,024 | 0·00 | 63·53 | 0·00 | 51·59 | Jajpur. |
| | Balasore | Dudhal Canal ... ... ... | 200 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | | High Level, Range III ... ... | 728 | 214 | 150 | 44,679 | 45,698 | 44,261 | ... | ... | 372 | 6 | 378 | 44,639 | 0·69 | 60·62 | 0·00 | 39·10 | Akhoyapada. |
| | | Total Orissa Canals ... | ... | ... | ... | 274,717 | 274,921 | 271,391 | 2,839(a) | 14 | 377 | 61 | 3,291 | 274,682 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 272,046 | 2,263 | 16 | 453 | 29 | 2,771 | 274,817 | ... | ... | ... | ... | |
| South-Western | Midnapore | Midnapore ... ... ... | 1,411 | 367 | 281 | 64,064 | 58,080 | 58,829 | 5,424 | ... | ... | ... | 5,424 | 64,253 | 0·25 | 63·80 | 0·00 | 57·10 | |
| | | Panchkura* ... ... ... | 522 | 9 | 7 | 5,364 | 5,058 | 5,503 | 156 | ... | ... | ... | 156 | 5,659 | 0·00 | 58·22 | 0·00 | 47·91 | |
| | Howrah | Tidal Reaches, Ranges I and II | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 0·25 | 70·28 | 0·00 | 63·94 | |
| | | Total Midnapore Canal ... | ... | ... | ... | 69,428 | 63,138 | 64,332 | 5,580* | ... | ... | ... | 5,580 | 69,912 | ... | ... | ... | ... | |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 55,442 | ... | ... | ... | ... | ... | 55,442 | ... | ... | ... | ... | |
| | Burdwan and Hooghly. | Eden Canal ... ... ... | 1,000 | 41 | 41 | 18,712 | 20,402 | 17,651 | 1,058 | 3 | ... | ... | 1,061 | 18,712 | 0·00 | 65·38 | 0·00 | 65·33 | |
| | | Total of the corresponding period of last year | ... | ... | ... | ... | ... | 19,873 | 529 | ... | ... | ... | 529 | 20,402 | ... | ... | ... | ... | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SONE | Shahabad | Western Main | 1,850 | 219 | 219 | 29,397 | 57,033 | 16,443 | 7,857 | 13,057 | ... | 584 | 21,528 | 37,971 | 0·00 | 43·80 | 0·00 | 32·32 |
| | | Buxar | | 982 | 691 | 134,806 | 136,111 | 91,395 | 16,402 | 14,896 | ... | 10,063 | 41,350 | 132,745 | | | | |
| | | Arrah | 2,650 | 1,563 | 1,063 | 212,798 | 223,832 | 138,506 | 30,706 | 15,316 | ... | 15,830 | 61,882 | 200,357 | 0·00 | 38·61 | 0·00 | 28·35 |
| | Patna and Gaya | Eastern Main | 1,850 | 836 | 488 | 4,132 | 4,387 | 2,970 | 900 | 180 | ... | ... | 1,080 | 4,050 | 0·00 | 40·90 | 0·00 | 16·42 |
| | | Patna | | | | 130,693 | 134,248 | 85,876 | 27,918 | 4,647 | ... | 9,169 | 41,734 | 127,610 | | | | |
| | | Total Sone Canals | ... | ... | ... | 511,826 | 535,611 | 335,189 | 83,813 | 48,095 | ... | 35,636 | 167,544 | 502,733 | ... | ... | ... | ... |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | 341,929 | 89,993 | 79,418 | ... | 21,820 | 191,231 | 533,160 | ... | ... | ... | ... |
| GANDAK | Champaran | Tour | 174 | 7 | 5 | 1,773 | 3,372 | ... | 1,077 | 494 | ... | 66 | 1,637 | 1,637 | 0·00 | 58·86 | 0·00 | 30·06 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 2,505 | 1,658 | ... | 235 | 4,398 | 4,398 | ... | ... | ... | ... |
| | | Dhaka | 309 | 19 | 10 | 4,386 | 10,748 | ... | 3,879 | 878 | ... | 240 | 4,997 | 4,997 | 0·00 | 57·82 | 0·00 | 31·30 |
| | | Total of the corresponding period of last year. | ... | ... | ... | ... | ... | ... | 9,408 | 2,024 | ... | 335 | 11,762 | 11,762 | ... | ... | ... | ... |
| | Saran | Saran | Canals closed. | | | | | | | | | | | | | | | |
| | | GRAND TOTAL | ... | 2 | ... | 880,842 | 908,192 | 688,563 | 98,246 | 49,484 | 377 | 36,003 | 184,110 | 872,673 | ... | ... | ... | ... |
| | | GRAND TOTAL OF THE CORRESPONDING PERIOD OF LAST YEAR. | ... | ... | ... | ... | ... | 689,290 | 104,693 | 83,116 | 463 | 22,419 | 210,691 | 899,961 | ... | ... | ... | ... |

(a) Of which 2,792 acres are "provisional lease."
* Covering lease.

CALCUTTA,
*The 21st December 1909.*

G. G. DEY,
*Under-Secy. to the Govt. of Bengal.*

*Vital Statistics of the districts of Bengal for the month of October 1909.*

| Division. | Districts. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan | Burdwan | 1,532,716 | 4,116 | 32·16 | 7 | ·04 | 8 | ·06 | ... | ... | 2,937 | 15·12 | 44 | ·24 | 8 | ·06 | 39 | ·24 | 565 | 4·56 | 2,628 | 20·52 | 4,251 | 33·24 | |
| | Birbhum | 902,280 | 2,286 | 30·36 | 5 | ·06 | ... | ... | ... | ... | 1,195 | 15·84 | 11 | ·12 | 4 | ·04 | 46 | ·60 | 180 | 2·28 | 1,441 | 19·08 | 2,795 | 37·06 | |
| | Bankura | 1,116,411 | 3,341 | 35·88 | 46 | ·48 | 4 | ·03 | ... | ... | 1,616 | 17·28 | 47 | ·48 | ... | ... | 21 | ·12 | 533 | 5·64 | 2,267 | 24·36 | 2,896 | 31·08 | |
| | Midnapore | 2,789,114 | 8,621 | 37·08 | 35 | ·12 | 54 | ·12 | ... | ... | 2,943 | 12·60 | 83 | ·24 | 19 | ·07 | 67 | ·24 | 1,166 | 4·92 | 4,367 | 18·72 | 7,190 | 30·84 | |
| | Hooghly, including Serampore. | 1,049,641 | 3,688 | 42·12 | 20 | ·12 | 5 | ·04 | ... | ... | 1,407 | 16·08 | 141 | 1·56 | 65 | ·72 | 61 | ·60 | 612 | 7·08 | 2,331 | 26·52 | 3,283 | 37·44 | |
| Presidency | Howrah | 850,514 | 2,703 | 38·04 | 22 | ·24 | 15 | ·12 | ... | ... | 560 | 7·80 | 174 | 2·40 | 51 | ·60 | 70 | ·96 | 512 | 7·20 | 1,404 | 19·80 | 2,767 | 30·84 | |
| | 24-Parganas | 2,078,359 | 7,047 | 40·68 | 20 | ·10 | 24 | ·12 | ... | ... | 1,893 | 10·92 | 108 | ·60 | 132 | ·72 | 145 | ·72 | 866 | 4·92 | 3,188 | 18·36 | 4,355 | 25·08 | |
| | Calcutta | 847,796 | 1,675 | 23·64 | 41 | ·48 | ... | ... | 29 | ·36 | 283 | 3·36 | 162 | 2·28 | 454 | 6·36 | 40 | ·48 | 1,072 | 15·12 | 2,084 | 29·40 | 2,023 | 28·56 | |
| | Nadia | 1,667,491 | 6,249 | 44·88 | 86 | ·60 | 7 | ·04 | ... | ... | 2,217 | 15·84 | 5 | ·02 | 3 | ·01 | 75 | ·48 | 745 | 5·28 | 3,158 | 22·56 | 6,771 | 48·72 | |
| | Murshidabad | 1,333,184 | 5,739 | 51·60 | 276 | 2·40 | 4 | ·03 | ... | ... | 2,153 | 19·32 | 26 | ·12 | 5 | ·03 | 67 | ·48 | 723 | 6·48 | 3,247 | 29·16 | 5,000 | 45·00 | |
| | Jessore | 1,313,155 | 5,110 | 33·72 | 173 | 1·08 | 8 | ·04 | ... | ... | 2,439 | 19·44 | 24 | ·12 | 2 | ·01 | 118 | ·60 | 534 | 3·48 | 3,786 | 24·96 | 5,746 | 37·92 | |
| | Khulna | 1,253,043 | 4,018 | 38·40 | 3 | ·02 | 3 | ·02 | ... | ... | 1,802 | 17·16 | 8 | ·07 | 4 | ·03 | 140 | 1·32 | 830 | 7·92 | 2,790 | 26·64 | 4,188 | 40·08 | |
| Patna | Patna | 1,624,742 | 4,954 | 36·48 | 68 | ·48 | 3 | ·01 | 73 | ·48 | 5,438 | 40·08 | 217 | 1·56 | 136 | ·96 | 126 | ·84 | 1,395 | 10·20 | 7,456 | 54·96 | 6,322 | 46·68 | |
| | Gaya | 2,089,433 | 7,269 | 42·24 | 16 | ·08 | 9 | ·04 | ... | ... | 5,971 | 34·68 | 65 | ·36 | 13 | ·07 | 113 | ·60 | 1,022 | 5·88 | 7,209 | 41·88 | 9,644 | 56·16 | |
| | Shahabad | | | | | | | | | | | | | | | | | | | | | | | | |
| Tirhut | Saran | 2,403,814 | 7,587 | 37·20 | 33 | ·12 | 8 | ·03 | 18 | ·48 | 4,898 | 24·36 | 125 | ·60 | 70 | ·24 | 189 | ·84 | 2,529 | 12·60 | 7,950 | 39·60 | 7,308 | 36·36 | Return not yet received. |
| | Champaran | 1,790,463 | 7,719 | 51·72 | 36 | ·24 | 6 | ·03 | ... | ... | 2,428 | 16·20 | 3 | ·01 | ... | ... | 65 | ·48 | 1,064 | 7·08 | 3,622 | 24·24 | 5,418 | 36·24 | |
| | Muzaffarpur | 2,756,139 | 7,992 | 34·68 | 417 | 1·80 | 2 | ·008 | ... | ... | 8,766 | 38·16 | 33 | ·12 | 8 | ·02 | 163 | ·60 | 1,267 | 5·40 | 10,661 | 46·32 | 9,286 | 40·32 | |
| | Darbhanga | 3,912,611 | 6,801 | 27·96 | 633 | 2·52 | 4 | ·01 | ... | ... | 9,562 | 39·24 | 208 | ·84 | 7 | ·02 | 151 | ·60 | 1,358 | 5·52 | 11,913 | 49·08 | 8,343 | 34·32 | |
| | Monghyr | 2,068,804 | 7,577 | 43·92 | 301 | 1·68 | 2 | ·01 | 59 | ·24 | 6,821 | 33·72 | 73 | ·36 | 6 | ·02 | 132 | ·72 | 1,137 | 6·48 | 7,532 | 43·68 | 8,920 | 51·72 | |
| Bhagalpur | Bhagalpur | 2,088,983 | 6,540 | 37·56 | 2,011 | 11·52 | 17 | ·09 | ... | ... | 6,222 | 36·08 | 34 | ·12 | 2 | ·01 | 85 | ·48 | 618 | 3·48 | 9,049 | 51·96 | 8,015 | 45·96 | |
| | Purnea | 1,874,794 | 6,612 | 42·48 | 351 | 2·16 | 42 | ·24 | ... | ... | 3,745 | 23·88 | 8 | ·04 | ... | ... | 79 | ·48 | 172 | 1·08 | 4,397 | 28·08 | 6,302 | 40·32 | |
| | Darjeeling | 249,117 | 624 | 30·00 | ... | ... | ... | ... | ... | ... | 450 | 21·60 | 25 | 1·20 | 4 | ·12 | 4 | ·12 | 114 | 5·40 | 597 | 28·68 | 886 | 42·60 | |
| | Sonthal Parganas | 1,808,737 | 5,702 | 37·80 | 66 | ·36 | 2 | ·01 | ... | ... | 3,046 | 20·16 | 23 | ·12 | 11 | ·07 | 39 | ·24 | 418 | 2·76 | 3,605 | 23·88 | 5,423 | 35·88 | |
| Orissa | Cuttack | 2,962,758 | 8,090 | 47·04 | 4 | ·01 | 16 | ·08 | ... | ... | 1,713 | 9·96 | 444 | 2·52 | 42 | ·24 | 148 | ·84 | 1,211 | 6·96 | 3,578 | 20·76 | 8,049 | 46·80 | |
| | Balasore | 1,971,197 | 3,158 | 35·28 | 8 | ·08 | 23 | ·24 | ... | ... | 788 | 8·76 | 72 | ·84 | ... | ... | 56 | ·60 | 967 | 10·80 | 1,920 | 21·48 | 3,683 | 41·28 | |
| | Puri | 1,017,284 | 3,316 | 39·36 | 4 | ·02 | 6 | ·06 | ... | ... | 475 | 5·52 | 287 | 3·36 | 110 | 1·20 | 68 | ·72 | 614 | 7·20 | 1,564 | 18·36 | 2,498 | 29·40 | |
| | Sambalpur | 638,580 | 2,346 | 44·16 | ... | ... | ... | ... | ... | ... | 444 | 8·28 | 67 | 1·20 | 52 | ·96 | 13 | ·24 | 457 | 8·52 | 1,033 | 19·4 | 1,500* | 28·20 | * For three years. Not under registration. |
| | Angul and Khondmals | | | | | | | | | | | | | | | | | | | | | | | | |
| Chota Nagpur. | Hazaribagh | 1,177,961 | 4,883 | 49·68 | 19 | ·12 | 1 | ·009 | ... | ... | 2,132 | 22·32 | 16 | ·12 | 5 | ·04 | 44 | ·36 | 5 | 5·16 | 2,791 | 28·32 | 3,955 | 40·20 | |
| | Ranchi | 1,187,925 | 5,581 | 56·28 | ... | ... | 7 | ·06 | ... | ... | 1,657 | 16·68 | 74 | ·72 | 6 | ·06 | 32 | ·24 | 14 | 7·92 | 2,569 | 25·92 | 3,365 | 33·36 | |
| | Palamau | 619,600 | 2,441 | 47·16 | 25 | ·48 | 6 | ·10 | ... | ... | 1,467 | 28·32 | 12 | ·12 | ... | ... | 23 | ·36 | 275 | 5·28 | 1,808 | 34·92 | 2,775 | 49·80 | |
| | Manbhum | 1,301,364 | 4,618 | 42·48 | 3 | ·02 | 2 | ·01 | ... | ... | 1,435 | 13·20 | 7 | ·06 | ... | ... | 23 | ·12 | 313 | 2·88 | 1,783 | 16·44 | 2,548 | 23·40 | |
| | Singhbhum | 613,579 | 2,235 | 43·68 | ... | ... | ... | ... | ... | ... | 678 | 13·20 | 7 | ·12 | 1 | ·01 | 22 | ·36 | 93 | 1·80 | 801 | 15·60 | 1,293 | 25·20 | |
| | Total | 48,565,750 | 160,699 | 39·60 | 4,729 | 1·08 | 289 | ·06 | 259 | ·06 | 88,194 | 21·72 | 2,642 | ·60 | 1,220 | ·24 | 2,467 | ·60 | 24,699 | 6·00 | 124,499 | 30·72 | 155,964 | 38·52 | |
| | Average of corresponding month of previous five years | ... | 167,244 | 41·28 | 13,739 | 3·36 | 405 | ·09 | 448 | ·10 | 105,478 | 26·04 | 4,404 | 1·08 | 1,004 | ·24 | 2,279 | ·48 | 28,197 | 6·96 | 155,954 | 38·52 | ... | ... | |
| | Difference + or − | ... | −6,545 | −·68 | −9,010 | −2·28 | −116 | −·03 | −189 | −·04 | −17,284 | −4·32 | −1,762 | −·48 | +216 | Equal | +188 | +·12 | −3,498 | −·96 | −31,455 | −7·80 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 18th December 1909.*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

*Vital Statistics of Towns in Bengal with a population of 20,000 and over during the month of October 1909.*

| Districts. | Towns. | Population under registration. | Births. Number registered. | Births. Ratio per 1,000 of population per annum. | Deaths. Cholera. Number registered. | Cholera. Ratio per 1,000 of population per annum. | Small-pox. Number registered. | Small-pox. Ratio per 1,000 of population per annum. | Plague. Number registered. | Plague. Ratio per 1,000 of population per annum. | Fever. Number registered. | Fever. Ratio per 1,000 of population per annum. | Dysentery and Diarrhœa. Number registered. | Dysentery and Diarrhœa. Ratio per 1,000 of population per annum. | Respiratory diseases. Number registered. | Respiratory diseases. Ratio per 1,000 of population per annum. | Injury. Number registered. | Injury. Ratio per 1,000 of population per annum. | Other causes. Number registered. | Other causes. Ratio per 1,000 of population per annum. | Total of all causes. Number registered. | Total of all causes. Ratio per 1,000 of population per annum. | Average of corresponding month of previous five years. Number registered. | Average of corresponding month of previous five years. Ratio per 1,000 of population per annum. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Burdwan ... | 1. Burdwan ... .. | 35,266 | 15 | 5·04 | 1 | ·24 | ... | ... | ... | ... | 24 | 8·16 | 7 | 2·28 | 3 | ·96 | 2 | ·60 | 5 | 1·68 | 42 | 14·28 | 91 | 30·96 | |
| Bankura ... | 2. Bankura ... ... | 20,737 | 42 | 24·24 | ... | ... | ... | ... | ... | ... | 25 | 14·40 | 2 | 1·08 | ... | ... | ... | ... | 9 | 5·16 | 36 | 20·76 | 32 | 18·48 | |
| Midnapore ... | 3. Midnapore ... ... | 33,140 | 74 | 26·76 | ... | ... | ... | ... | ... | ... | 35 | 12·60 | 3 | 1·08 | ... | ·72 | ... | ... | 9 | 3·24 | 49 | 17·64 | 89 | 32·16 | |
| Hooghly ... | 4. Hooghly and Chinsura | 29,383 | 102 | 41·64 | 8 | 3·24 | ... | ... | ... | ... | 55 | 22·44 | 21 | 8·52 | 5 | 2·04 | 1 | ·36 | 33 | 13·44 | 123 | 50·16 | 108 | 44·04 | |
| | 5. Serampore ... .. | 44,451 | 143 | 38·52 | 4 | ·96 | ... | ... | ... | ... | 45 | 12·12 | 25 | 6·72 | ... | ... | 2 | ·48 | 41 | 11·04 | 117 | 31·56 | 140 | 37·68 | |
| Howrah ... | 6. Howrah ... ... | 157,594 | 374 | 28·44 | 9 | ·60 | ... | ... | ... | ... | 199 | 15·12 | 37 | 2·76 | 29 | 2·16 | 4 | ·24 | 149 | 11·28 | 427 | 32·40 | 470 | 35·76 | |
| | 7. Cossipore-Chitpur ... | 40,750 | 57 | 16·68 | 4 | 1·08 | ... | ... | ... | ... | 17 | 4·92 | 13 | 3·72 | 32 | 9·36 | 2 | ·48 | 40 | 11·76 | 108 | 31·80 | 27 | 7·92 | |
| | 8. Maniktala ... ... | 32,387 | 32 | 11·76 | 2 | ·72 | ... | ... | ... | ... | 25 | 9·24 | 7 | 2·52 | 18 | 6·60 | ... | ... | 41 | 15·12 | 93 | 34·44 | 26 | 9·60 | |
| 24-Parganas | 9. South Suburban ... | 26,374 | 91 | 41·40 | ... | ... | ... | ... | ... | ... | 21 | 13·08 | 3 | 1·32 | 5 | 2·16 | ... | ... | 20 | 9·00 | 57 | 25·92 | 65 | 29·52 | |
| | 10. Garden Reach .. | 28,211 | 91 | 38·64 | 2 | ·84 | ... | ... | ... | ... | 23 | 9·72 | 11 | 4·56 | 17 | 7·20 | 4 | 1·68 | 30 | 12·72 | 87 | 36·96 | 41 | 17·40 | |
| | 11. Kamarhati ... ... | 26,432 | 46 | 21·60 | 1 | ·36 | ... | ... | ... | ... | 21 | 9·84 | 4 | 1·80 | ... | ... | ... | ... | 11 | 5·16 | 37 | 17·40 | 44 | 20·76 | |
| | 12. Bhatpara ... ... | 21,540 | 38 | 21·12 | ... | ... | ... | ... | ... | ... | 19 | 10·56 | 3 | 1·56 | 1 | ·48 | 3 | 1·56 | 3 | 1·56 | 29 | 16·08 | 50 | 27·84 | |
| Calcutta ... | 13. Calcutta ... ... | 847,796 | 1,675 | 23·64 | 41 | ·48 | ... | ... | 29 | ·36 | 288 | 3·96 | 162 | 2·28 | 454 | 6·36 | 40 | ·48 | 1,072 | 15·12 | 2,084 | 29·40 | 2,023 | 28·56 | |
| Nadia ... | 14. Krishnagar ... ... | 24,547 | 55 | 26·88 | ... | ... | ... | ... | ... | ... | 25 | 12·12 | ... | ... | ... | ... | ... | ... | 6 | 2·88 | 31 | 15·12 | 42 | 20·52 | |
| | 15. Santipur ... ... | 26,896 | 108 | 48·12 | ... | ... | ... | ... | ... | ... | 39 | 17·28 | ... | ... | 1 | ·36 | 1 | ·36 | 11 | 4·80 | 52 | 23·16 | 65 | 28·92 | |
| Murshidabad | 16. Berhampore ... ... | 24,397 | 90 | 44·16 | 8 | 3·84 | ... | ... | ... | ... | 45 | 22·08 | 1 | ·48 | 2 | ·96 | ... | ... | 21 | 10·32 | 77 | 37·80 | 87 | 42·72 | |
| Patna ... | 17. Patna City ... ... | 123,091 | 311 | 30·24 | 6 | ·48 | ... | ... | 1 | ·09 | 179 | 17·40 | 31 | 3·00 | 9 | ·84 | 10 | ·96 | 149 | 14·52 | 385 | 37·44 | 445 | 43·32 | |
| | 18. Bihar ... ... | 48,063 | 130 | 32·56 | 1 | ·24 | ... | ... | ... | ... | 89 | 10·32 | 1 | ·24 | 1 | ·24 | 7 | 1·80 | 25 | 6·12 | 72 | 19·08 | 78 | 20·76 | |
| | 19. Dinapore Nizamut .. | 38,699 | 68 | 24·12 | 2 | ·60 | ... | ... | ... | ... | 24 | 8·52 | 2 | ·60 | 1 | ·24 | 5 | 1·68 | 14 | 4·92 | 48 | 17·04 | 44 | 15·60 | |
| Gaya ... | 20. Gaya ... ... | 71,416 | 235 | 39·48 | 10 | 1·68 | 1 | ·12 | ... | ... | 263 | 44·16 | 32 | 5·28 | 6 | ·96 | 1 | ·12 | 68 | 11·40 | 381 | 63·96 | 316 | 53·08 | |
| Shahabad ... | 21. Arrah ... ... | ..... | ..... | ..... | ... | ... | ... | ... | ... | ... | ..... | ..... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | .. | ... | Return not yet received. |
| | 22. Sasaram ... ... | ..... | ..... | ..... | ... | ... | ... | ... | ... | ... | ..... | ..... | ... | ... | ... | .. | ... | ... | ... | ... | ... | ... | ... | ... | |
| Saran ... | 23. Chapra ... ... | 45,901 | 155 | 40·44 | ... | ... | ... | ... | ... | ... | 57 | 14·88 | 1 | ·24 | 6 | 1·56 | 5 | 1·20 | 37 | 9·60 | 106 | 27·60 | 137 | 35·76 | |
| Champaran... | 24. Bettiah ... ... | 24,696 | 70 | 33·96 | ... | ... | ... | ... | ... | ... | 7 | 3·36 | 1 | ·48 | .. | .. | 1 | ·48 | 15 | 4·80 | 19 | 9·12 | 59 | 28·56 | |
| Muzaffarpur | 25. Muzaffarpur ... ... | 45,617 | 146 | 38·40 | ... | ... | ... | ... | ... | ... | 54 | 14·16 | 7 | 1·80 | 6 | 1·56 | 8 | 2·04 | 68 | 17·88 | 143 | 37·56 | 119 | 31·20 | |
| | 26. Hajipur ... ... | 21,398 | 150 | 84·12 | ... | ... | ... | ... | ... | ... | 89 | 21·84 | ... | ... | ... | ... | 5 | 2·76 | 19 | 10·56 | 63 | 35·28 | 64 | 35·88 | |
| Darbhanga ... | 27. Darbhanga ... ... | 63,244 | 187 | 33·84 | 4 | ·72 | ... | ... | ... | ... | 66 | 11·88 | 11 | 1·92 | ... | ... | 2 | ·36 | 107 | 19·32 | 190 | 34·32 | 154 | 27·84 | |
| Monghyr ... | 28. Monghyr ... ... | 36,880 | 134 | 44·76 | 10 | 3·24 | ... | ... | 2 | ·60 | 31 | 10·32 | 15 | 4·92 | 4 | 1·32 | 3 | ·96 | 72 | 24·00 | 137 | 45·72 | 150 | 50·16 | |
| Bhagalpur ... | 29. Bhagalpur ... ... | 75,760 | 119 | 18·84 | ... | ... | ... | ... | ... | ... | 72 | 11·40 | 14 | 2·16 | ... | ... | 4 | ·60 | 21 | 3·24 | 111 | 17·52 | 155 | 24·48 | |
| Cuttack ... | 30. Cuttack ... ... | 51,364 | 123 | 28·68 | ... | ... | ... | ... | ... | ... | 10 | 2·28 | 1 | ·12 | ... | ... | ... | .. | 13 | 3·00 | 24 | 5·52 | 109 | 25·44 | |
| Balasore ... | 31. Balasore ... ... | 20,880 | 24 | 13·68 | ... | ... | ... | ... | ... | ... | 1 | ·48 | ... | ... | ... | ... | ... | ... | 12 | 6·84 | 13 | 7·44 | 32 | 18·36 | |
| Puri ... | 32. Puri ... .. | 49,334 | 96 | 23·04 | 2 | ·48 | ... | ... | ... | ... | 50 | 12·12 | 27 | 6·48 | 5 | 1·20 | 5 | 1·20 | 51 | 12·36 | 140 | 33·96 | 125 | 30·36 | |
| Ranchi ... | 33. Ranchi ... ... | 23,810 | 99 | 49·80 | ... | ... | ... | ... | ... | ... | 9 | 4·44 | 1 | ·48 | ... | ... | 1 | ·48 | 18 | 9·00 | 29 | 14·52 | 31 | 15·60 | |
| | Total of all towns with a population of 20,000 and over ... .. ... | 2,153,050 | 5,079 | 28·20 | 115 | ·60 | 1 | ·00 | 32 | ·12 | 1,513 | 10·08 | 443 | 2·40 | 607 | 3·36 | 116 | ·60 | 2,183 | 12·12 | 5,310 | 29·52 | 5,448 | 30·36 | |
| | Average of corresponding month of previous five years ... ... ... | ..... | 4,613 | 25·68 | 453 | 2·52 | 13 | ·07 | 84 | ·36 | 1,387 | 10·44 | 561 | 3·12 | 417 | 2·28 | 119 | ·60 | 1,914 | 10·56 | 5,448 | 30·36 | ... | ... | |
| | Difference + or − | ..... | +466 | +2·52 | −338 | −1·92 | −12 | −·06 | −52 | ·24 | −74 | −·36 | −118 | −·72 | +190 | +1·08 | −3 | Equal | +269 | +1·56 | −138 | −·84 | ... | ... | |

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

*The 18th December 1909*

F. C. CLARKSON, LIEUT.-COL., I.M.S.,

*Sanitary Commissioner for Bengal.*

**Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th December 1909.**

| Month. | Date. | Number of hours of bright sunshine. | Mean pressure barometer at 32° Fahr. | Temperature. Mean. | Maximum. | Range. | Minimum. | Hygrometry. Mean wet bulb. | Vapour tension. | Dew point. | Humidity. | Wind. Prevailing direction. | Miles recorded. | Rains. | Weather. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1909. | | | Inches. | ° | ° | ° | ° | ° | Inch. | ° | % | | | Inches. | |
| Dec. | 12th | No instrument. | 30·007 | 61·5 | 77·6 | 24·6 | 53·0 | 56·6 | 0·395 | 52·4 | 76 | N by W and Calm | 27 | Nil | Clear, ⌂. |
| " | 13th | | ·036 | 61·9 | 76·7 | 24·0 | 52·7 | 57·4 | ·414 | 53·7 | 77 | NNW, NW by N and Calm. | 30 | Nil | Partially cloudy, ⌂. |
| " | 14th | | ·052 | 62·9 | 77·5 | 22·9 | 54·6 | 57·9 | ·416 | 53·8 | 75 | NW by N, N and Calm. | 48 | Nil | Clear, ⌂. |
| " | 15th | | ·039 | 64·3 | 78·7 | 23·0 | 55·7 | 59·5 | ·449 | 55·9 | 77 | NNE, N by W and Calm. | 61 | Nil | Clear, ⌂. |
| " | 16th | | ·083 | 64·7 | 77·2 | 19·9 | 57·3 | 60·8 | ·486 | 58·1 | 81 | N by W and Calm | 14 | Nil | Partially cloudy, ⌂. |
| " | 17th | | ·069 | 66·2 | 80·7 | 22·2 | 58·5 | 61·2 | ·471 | 57·3 | 76 | N by W and Calm | 37 | Nil | Clear, ⌂. |
| " | 18th | | ·053 | 68·0 | 78·8 | 19·7 | 59·1 | 62·8 | ·494 | 58·6 | 71 | N by W, NNE and NNW. | 52 | Nil | Clear, ⌂. |

| | |
|---|---|
| The mean pressure of the seven days ... ... ... ... | Inches. 30·048 |
| The average pressure of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 30·030 |
| The total number of hours of bright sunshine ... ... ... | Hours. 7 |
| The maximum possible number of hours of sunshine ... ... ... | 75·1° |
| The mean temperature of the seven days ... ... ... ... | 64·2 |
| The average temperature of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... | 67·5 |
| The extreme variation of temperature ... ... ... ... | 28·0 |
| The maximum temperature ... ... ... ... ... | 80·7°/o |
| The highest velocity of the wind in one hour ... ... ... | Miles. 8 |
| The mean relative humidity ... ... ... ... ... | 76 |
| The average relative humidity of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 71 |
| The total fall of rain from 12th to 18th December 1909 ... ... | Inches. Nil |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 0·01 |
| The total fall from 1st January to 18th December 1909 ... ... | 72·22 |
| The average fall of the corresponding period for 24 years, Surveyor-General's Office ... ... ... ... ... ... | 65·23 |

The mean pressure, temperature, etc., are deduced from the traces of the Thermograph, and from eye observations.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV and V of the official tables computed in the Meteorological Office and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground. The rainfall reported on any day is for 24 hours preceding 8 A.M. of that day.

⌂, dew.

METEOROLOGICAL OFFICE,
ALIPORE (CALCUTTA), *the 18th December 1909.*

C. W. PEAKE,
*for Director-General of Observatories.*

# BENGAL AND NORTH-WESTERN RAILWAY.

*Statement of goods traffic for the month of August 1909, compared with the corresponding period in 1908.*

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager. |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| I.—Apparel, including drapery, haberdashery, millinery, uniforms, accoutrements, boots and shoes. | 36 | ... | 43 | ..... | 7 | ..... | ..... | ..... | |
| II.—Coal and coke carried for the Public and Foreign Railways. | 7,133 | ... | 3,204 | ..... | ..... | ..... | 3,929 | ..... | Less demand. |
| III.—Cotton— | | | | | | | | | |
| 1. Raw ... ... ... | 179 | ... | 241 | ..... | 62 | ..... | ..... | ... | |
| 2. Manufactured— | | | | | | | | | |
| (a) (b) Twist and yarn. European | 11 | ..... | 6 | .. | ..... | ..... | 5 | ..... | |
| (a) (b) Twist and yarn. Indian ... | 749 | ..... | 538 | ... | ... | ..... | 211 | ..... | |
| (c) (d) Piece-goods European | 828 | ... | 828 | ... | ..... | ..... | ..... | ..... | |
| (c) (d) Piece-goods Indian ... | 325 | ... | 248 | ..... | .. | ... | 77 | ..... | |
| (e) Others .. .. ... | 21 | ..... | 59 | ..... | 38 | ..... | ..... | ..... | |
| IV.—Chemicals, excepting saltpetre | 252 | | 130 | ..... | ..... | ..... | 122 | ..... | |
| V.—Drugs— | | | | | | | | | |
| 1. Intoxicating, other than opium. | 9 | ..... | 1 | . | ..... | ..... | 8 | ... | |
| 2. Non-intoxicating— | | | | | | | | | |
| (a) Medicinal preparations. | 11 | ... | 14 | ..... | 3 | ... | ... | ..... | |
| (b) Others ... ... | 1,335 | ..... | 1,098 | ..... | ..... | ..... | 237 | ..... | |
| VI.—Dyes and Tans— | | | | | | | | | |
| 1. Alizarine and aniline dyes. | 5 | ..... | 7 | .. | 2 | .. | ..... | ..... | |
| 2. Cutch ... ... . | 15 | ... | 18 | | 3 | ..... | ..... | ..... | |
| 3. Indigo ... ... .. | ..... | ... | 2 | | 2 | ... | ..... | ..... | |
| 4. Myrabolams ... ... | 17 | ... | 7 | ..... | ... | ..... | 10 | ..... | |
| 5. Tanning barks ... ... | ..... | | ..... | .. | ..... | ..... | ..... | ..... | |
| 6. Turmeric ... ... ... | 116 | .. | 86 | . | ..... | . | 30 | ... | |
| 7. Others ... ... ... | 49 | ..... | 22 | ..... | ..... | ..... | 27 | ..... | |
| VII.—Fodder— | | | | | | | | | |
| 1. Oilcake ... ... ... | 887 | ... | 371 | ... | ... | ..... | 516 | ..... | |
| 2. Hay, straw and grass ... | 836 | ..... | 138 | ..... | ..... | ... | 698 | ..... | |
| VIII.—Fruits and vegetables, fresh | 1,835 | ..... | 431 | ..... | ..... | ..... | 1,404 | ..... | |
| IX.—Grain and Pulse— | | | | | | | | | |
| 1. Gram and pulse ... | 11,716 | ..... | 4,858 | ..... | ..... | ..... | 6,858 | ..... | Decrease due to the imports of rice and food-grains during 1908 having leased and to their being little demand any where owing to local crops being food. |
| 2. Jawar and bajra ... | 549 | ..... | 182 | ... | ..... | ..... | 367 | ..... | |
| 3. 4. Rice in the husk ... | 5,628 | ..... | 1,194 | ..... | ..... | ..... | 4,434 | ..... | |
| 3. 4. Rice not in the husk | 15,009 | ... | 4,655 | ... | ..... | ..... | 10,354 | ..... | |
| 5. Wheat ... ... .. | 3,838 | .. | 4,618 | ... | 780 | ..... | ..... | ..... | |
| 6. Wheat-flour ... .. | 435 | . | 204 | ..... | ..... | ..... | 231 | .. | |
| 7. Makai ... ... ... | 11,324 | ..... | 2,517 | ..... | ... | ..... | 8,807 | ..... | |
| 8. Others ... ... ... | 9,480 | ..... | 5,644 | .. | ..... | ... | 3,836 | ..... | |
| X.—Hides and Skins— | | | | | | | | | |
| 1. Hides of cattle— | | | | | | | | | |
| (a) Dressed or tanned | ..... | ... | ..... | ... | ..... | ..... | ..... | ..... | |
| (b) Raw ... ... | 541 | .. | 414 | ... | ..... | ..... | 127 | ... | |
| 2. Skins of sheep and other animals— | | | | | | | | | |
| (a) Dressed or tanned | | ..... | 1 | ..... | 1 | ..... | ..... | ..... | |
| (b) Raw ... ... | 521 | ..... | 331 | ..... | ... | ..... | 190 | ..... | |
| XI.—Horns .. ... ... .. | 19 | ..... | 18 | ... | .. | ..... | 1 | ... | |
| XII.—Hemp (Indian) and other fibres, excluding jute. | 14 | ..... | 9 | ..... | ..... | ..... | 5 | ..... | |
| XIII.—Jute— | | | | | | | | | |
| 1. Raw ... ... | 220 | 101 | ... | | | ..... | 119 | ... | |
| 2. Gunny-bags and cloth | 1,537 | 799 | .. | ..... | ..... | ... | 738 | ..... | |
| XIV.—Lac .. ... ... ... | 186 | 297 | ... | ... | 111 | ..... | ... | ..... | |
| XV.—Leather— | | | | | | | | | |
| 1. Unwrought ... ... | 12 | 7 | ..... | . | ..... | ..... | 5 | ..... | |
| 2. Wrought, excepting boots and shoes. | 3 | 24 | ..... | ..... | 22 | ..... | ... | ..... | |
| XVI.—Liquors— | | | | | | | | | |
| 1. Ale and beer ... ... | 4 | 4 | ... | ..... | ..... | ..... | ..... | ..... | |
| 2. Wines and spirits of all kinds, including country spirit. | 19 | 31 | ... | ... | 12 | ..... | ..... | ..... | |
| 3. All other sorts, including toddy and fermented liquor, other than ale and beer. | ... | ..... | ... | ..... | ..... | ..... | ..... | ..... | |
| XVII.—Metals— | | | | | | | | | |
| 1. Brass, unwrought .. | 64 | 54 | ..... | ... | ..... | ..... | 10 | ..... | |
| 2. " wrought .. | 146 | 107 | ... | ... | ..... | ..... | 39 | ... | |
| 3. Copper, unwrought .. | 1 | 1 | ..... | ..... | ... | ..... | ..... | ... | |
| 4. " wrought ... | 30 | 12 | ..... | . | ..... | ... | 18 | ..... | |
| 5. Iron and steel— | | | | | | | | | |
| Unwrought (dust, slag, pig and old for re-manufacture). | 34 | 5 | ..... | ..... | ..... | ..... | 29 | ... | |
| Wrought— | | | | | | | | | |
| (a) Bars, sheets, girders and other commercial forms of iron and steel. | 480 | 298 | ..... | .. | ..... | ..... | 182 | ... | |
| (b) Machinery and mill-work. | 15 | 4 | ..... | ... | 31 | ..... | ..... | ... | |
| (c) Other manufactures, including hardware and cutlery. | 350 | 307 | ..... | ..... | ..... | ..... | 52 | ..... | |
| 6. Metallic ores ... ... | ... | ..... | ..... | ..... | ..... | ..... | ..... | ... | |
| 7. Others ... ... ... | 282 | 136 | ..... | ..... | ..... | ..... | 146 | ... | |

| Description of Goods. | 1908. | | 1909. | | Increase. | | Decrease. | | Explanation of fluctuations by the Traffic Manager |
|---|---|---|---|---|---|---|---|---|---|
| | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | Tons. | Rs. | |
| XVIII.—Mineral substances— | | | | | | | | | |
| 1. Marble and stone ... | 1,737 | 1,448 | ..... | ..... | ..... | ..... | 289 | ..... | |
| 2. Chalk and lime ... | 693 | 917 | ..... | ..... | 224 | ..... | ..... | ..... | |
| 3. Others ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XIX.—Oils— | | | | | | | | | |
| 1. Kerosine ... ... ... | 2,998 | 2,419 | ..... | ..... | ..... | ..... | 579 | ..... | |
| 2. Castor ... ... ... | 69 | 37 | ..... | ..... | ..... | ..... | 33 | ..... | |
| 3. Cocoanut ... ... ... | 4 | 2 | ..... | ..... | ..... | ..... | 2 | ..... | |
| 4. Mustard and rape ... | 88 | 101 | ..... | ..... | ..... | ..... | ..... | ..... | |
| 5. Others ... ... ... | 40 | 29 | ..... | ..... | ..... | ..... | 11 | ..... | |
| XX.—Oilseeds— | | | | | | | | | |
| 1. Castor ... ... ... | 1,167 | 1,310 | ..... | ..... | 49 | ..... | ..... | ..... | |
| 2. Earthnuts ... ... | 1 | 4 | ..... | ..... | 3 | ..... | ..... | ..... | |
| 3. Linseed ... ... ... | 12,085 | 4,936 | ..... | ..... | ..... | ..... | 7,145 | ..... | Less demand. |
| 4. Poppy ... ... ... | 684 | 451 | ..... | ..... | ..... | ..... | 233 | ..... | |
| 5. Rape and mustard ... | 3,038 | 2,769 | ..... | ..... | 731 | ..... | ..... | ..... | |
| 6. Til or jinjili ... ... | 105 | 60 | ..... | ..... | ..... | ..... | 45 | ..... | |
| 7. Others ... ... ... | 728 | 219 | ..... | ..... | ..... | ..... | 509 | ..... | |
| XXI.—Opium ... ... ... | 29 | 15 | ..... | ..... | ..... | ..... | 14 | ..... | |
| XXII.—Paper and Pasteboard ... | 309 | 241 | ..... | ..... | ..... | ..... | 68 | ..... | |
| XXIII.—Provisions— | | | | | | | | | |
| 1. Dried fruits and nuts ... | 79 | 101 | ..... | ..... | 22 | ..... | ..... | ..... | |
| 2. Ghee ... ... ... | 248 | 251 | ..... | ..... | 3 | ..... | ..... | ..... | |
| 3. Others ... ... ... | 1,217 | 1,451 | ..... | ..... | 234 | ..... | ..... | ..... | |
| XXIV.—Railway Plant and Rolling-stock carried for the Public and Foreign Railways— | | | | | | | | | |
| 1. Locomotive engines and tenders and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Carriages and trucks and parts thereof. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 3. Materials— | | | | | | | | | |
| (a) Steel rails and fish-plates. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Sleepers and keys of steel and cast-iron. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (c) *Others ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXV.—Salt ... ... ... ... | 7,119 | ..... | 4,464 | ..... | ..... | ..... | 2,655 | ..... | |
| XXVI.—Saltpetre and other saline substances— | | | | | | | | | |
| 1. Saltpetre ... ... | 665 | ..... | 850 | ..... | 185 | ..... | ..... | ..... | |
| 2. Other saline substances | 475 | ..... | 186 | ..... | ..... | ..... | 289 | ..... | |
| XXVII.—Silk— | | | | | | | | | |
| 1. Raw— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | 1 | ..... | ..... | ..... | ..... | ..... | 1 | ..... | |
| 2. Piece-goods— | | | | | | | | | |
| (a) Foreign ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Indian ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXVIII.—Spices— | | | | | | | | | |
| 1. Betelnuts ... ... | 269 | ..... | 170 | ..... | ..... | ..... | 99 | ..... | |
| 2. Cardamoms ... ... | 2 | ..... | 1 | ..... | ..... | ..... | 1 | ..... | |
| 3. Chillies ... ... ... | 128 | ..... | 70 | ..... | ..... | ..... | 58 | ..... | |
| 4. Ginger ... ... ... | 26 | ..... | 38 | ..... | 12 | ..... | ..... | ..... | |
| 5. Pepper ... ... ... | 54 | ..... | 62 | ..... | 8 | ..... | ..... | ..... | |
| 6. Others ... ... ... | 190 | ..... | 164 | ..... | ..... | ..... | 26 | ..... | |
| XXIX.—Sugar— | | | | | | | | | |
| 1. Refined or crystallised, including sugarcandy. | 1,044 | ..... | 751 | ..... | ..... | ..... | 293 | ..... | |
| 2. Unrefined— | | | | | | | | | |
| (a) Sugar ... ... | 2,000 | ..... | 1,101 | ..... | ..... | ..... | 899 | ..... | |
| (b) Gur, rab, jaggery, molasses and other saccharine produce. | 3,679 | ..... | 1,851 | ..... | ..... | ..... | 1,828 | ..... | |
| XXX.—Tea— | | | | | | | | | |
| 1. Foreign ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 2. Indian ... ... ... | 3 | ..... | 3 | ..... | ..... | ..... | ..... | ..... | |
| XXXI.—Tobacco— | | | | | | | | | |
| 1. Unmanufactured ... | 3,892 | ..... | ..... | ..... | ..... | ..... | 1,784 | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Cigars ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| (b) Other sorts ... | 42 | ..... | 37 | ..... | ..... | ..... | 5 | ..... | |
| XXXII.—Wood— | | | | | | | | | |
| 1. Timber, unwrought ... | 2,085 | ..... | 1,602 | ..... | ..... | ..... | 483 | ..... | |
| 2. Logs ... ... ... | 553 | ..... | 545 | ..... | ..... | ..... | 8 | ..... | |
| 3. Poles ... ... ... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| 4. Manufactures ... ... | 835 | ..... | 371 | ..... | ..... | ..... | 464 | ..... | |
| XXXIII.—Wool— | | | | | | | | | |
| 1. Raw ... ... ... | 16 | ..... | 15 | ..... | ..... | ..... | 1 | ..... | |
| 2. Manufactured— | | | | | | | | | |
| (a) Carpets and rugs ... | 2 | ..... | 1 | ..... | ..... | ..... | 1 | ..... | |
| (b) } Piece-goods { European | 14 | ..... | ..... | ..... | ..... | ..... | 14 | ..... | |
| (c) } Piece-goods { Indian | 15 | ..... | 36 | ..... | 21 | ..... | ..... | ..... | |
| (d) Other sorts of manufactures. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | |
| XXXIV.—All other articles of merchandise— | | | | | | | | | |
| 1. Indigo-seed ... ... | 25 | ..... | 8 | ..... | ..... | ..... | 17 | ..... | |
| 2. Firewood ... ... | 1,862 | ..... | 1,306 | ..... | ..... | ..... | 556 | ..... | |
| 3. Others, not specified above. | 2,572 | ..... | 2,060 | ..... | ..... | ..... | 512 | ..... | |
| Total ... | 1,29,499 | ..... | 69,931 | ..... | 2,579 | ..... | 62,747 | ..... | |

* This sub-head should include all railway plant carried for the public and foreign railways not coming under sub-heads 3 (a) and 3 (b).

GORAKHPUR, *the 14th December 1909.*

ILLEGIBLE,
for *Acting Chief Auditor.*

# WEEKLY RETURN OF TRAFFIC RECEIPTS ON INDIAN RAILWAYS.

## EASTERN BENGAL STATE RAILWAY SYSTEM.

(INCLUDING DACCA SECTION.)

*Approximate Return of Traffic and Mileage for the week ending 4th December 1909 on 1,497 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 640,670 | 2,12,730 0 0 | 1,783,740 0 | (f)2,89,220 0 0 | 36,950 0 0 | 5,38,900 0 0 | 78,491 | (d)52,583 | 131,034 |
| Or per mile of railway per week | (a)451 | (a)150 0 0 | 1,192 0 | 193 0 0 | (c)9 0 0 | (c)344 0 0 | ... | ... | ... |
| For previous 22 weeks of half-year (e) ... ... ... ... | 9,518,061 | 38,02,817 0 0 | 47,415,650 0 | 77,81,064 0 0 | 7,55,432 0 0 | 1,23,39,313 0 0 | 1,650,577 | 1,298,664 | 2,949,241 |
| Total for 23 weeks ... | 10,158,731 | 40,15,547 0 0 | 49,199,390 0 | 80,70,284 0 0 | 7,92,382 0 0 | 1,28,78,213 0 0 | 1,729,023 | 1,351,247 | 3,080,275 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 587,492 | 1,93,558 0 0 | 1,987,464 0 | 3,65,020 0 0 | 27,362 0 0 | 5,85,840 0 0 | 76,115 | 50,639 | 126,854 |
| Per mile of railway corresponding week of previous year (1,274 miles) ... ... ... | (b)478 | (b)157 0 0 | 1,560 0 | 287 0 0 | 1 0 0 | 440 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... | 10,869,335 | 42,53,155 0 0 | 50,491,664 0 | 80,12,328 0 0 | 7,75,850 0 0 | 1,30,41,333 0 0 | 1,699,912 | 1,288,772 | 2,988,684 |

(a) Excluding 77 miles open only for goods traffic.
(b) Excluding 45 miles open only for goods traffic.
(c) Excluding steamer earnings, Rs. 29,800.
(d) Includes ballast train-miles Rs. 7,426.
(e) Audited up to September 1909.
(f) Decrease is chiefly due to jute traffic.

## DACCA STATE RAILWAY.

*Approximate Return of Traffic and Mileage for the week ending 4th December 1909 on 86 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week ... | 45,770 | 12,710 0 0 | 91,340 0 | 10,170 0 0 | 210 0 0 | 23,090 0 0 | 5,747 | (a)2,403 | 8,150 |
| Or per mile of railway per week | 532 | 148 0 0 | 1,062 0 | 118 0 0 | 2 0 0 | 268 0 0 | ... | ... | ... |
| For previous 22 weeks of half-year (b) ... ... ... | 955,134 | 2,69,220 0 0 | 2,347,346 0 | 1,50,460 0 0 | 5,524 0 0 | 4,25,204 0 0 | 118,954 | 45,888 | 164,842 |
| Total for 23 weeks ... | 1,000,904 | 2,81,930 0 0 | 2,438,686 0 | 1,60,630 0 0 | 5,734 0 0 | 4,48,294 0 0 | 124,701 | 48,291 | 172,992 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 48,250 | 15,005 0 0 | 88,402 0 | 8,480 0 0 | 144 0 0 | 23,629 0 0 | 5,656 | 1,490 | 7,146 |
| Per mile of railway corresponding week of previous year ... | 561 | 174 0 0 | 1,028 0 | 99 0 0 | 2 0 0 | 275 0 0 | ... | ... | ... |
| Total to corresponding week of previous year ... ... | 1,070,027 | 3,05,695 0 0 | 2,246,740 0 | 1,65,323 0 0 | 6,261 0 0 | 4,77,279 0 0 | 127,754 | 39,629 | 167,383 |

(a) Includes ballast train miles 600.
(b) Audited up to September 1909.

## COOCH BEHAR RAILWAY—(NATIVE SECTION).

*Approximate Return of Traffic and Mileage for the week ending 4th December 1909 on 33·6 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 6,916 | 2,040 0 0 | 20,850 0 | 1,820 0 0 | 10 0 0 | 3,870 0 0 | 497 | (a)2,151 | 2,648 |
| Or per mile of railway per week | 206 | 61 0 0 | 621 0 | 54 0 0 | ..... | 115 0 0 | ... | ... | .. |
| For previous 22 weeks of half-year (b) ... ... ... ... | 80,317 | 29,163 0 0 | 454,052 0 | 40,714 0 0 | 313 0 0 | 70,190 0 0 | 10,994 | 43,756 | 54,750 |
| Total for 23 weeks ... | 87,227 | 31,203 0 0 | 474,902 0 | 42,534 0 0 | 323 0 0 | 74,060 0 0 | 11,491 | 45,907 | 57,398 |
| **COMPARISON.** | | | | | | | | | |
| Total for corresponding week of previous year ... ... | 6,737 | 1,878 0 0 | 25,383 0 | 2,214 0 0 | 17 0 0 | 3,609 0 0 | 497 | 739 | 1,236 |
| Per mile of railway corresponding week of previous year ... | 201 | 41 0 0 | 755 0 | 65 0 0 | 1 0 0 | 107 0 0 | ... | .. | .... |
| Total to corresponding week of previous year ... .. .. | 104,916 | 38,210 0 0 | 16,703 0 | 44,731 0 0 | 307 0 0 | 83,248 0 0 | 10,607 | 39,499 | 50,104 |

(a) Includes ballast train miles 980.
(b) Audited up to September 1909.

## MYMENSINGH-JAGANNATHGANJ RAILWAY.

*Approximate Return of Traffic and Mileage for the Week ending 4th December 1909 on 54 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic | | Other earnings (including ferry). | Total earnings. | Traffic Train-miles run | | |
|---|---|---|---|---|---|---|---|---|---|
| | No. of passengers. | Coaching receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. A. P. | Mds. s. | Rs. A. P. | Rs. A. P. | Rs. A. P. | | | |
| Total traffic for the week | 17,280 | 4,330 0 0 | 72,410 0 | 3,710 0 0 | [illegible] 0 0 | 8,080 0 0 | 1,540 | (a) 703 | 2,243 |
| Or per mile of railway per week | 320 | 80 0 0 | 1,341 0 | 69 0 0 | 1 0 0 | 150 0 0 | ... | ... | |
| For previous 23 weeks of half-year (b) ... ... ... | 259,716 | 76,281 0 0 | 1,392,665 0 | 70,112 0 0 | 635 0 0 | 1,47,028 0 0 | 36,410 | 14,824 | 51,234 |
| Total for 23 weeks ... | 276,996 | 80,611 0 0 | 1,466,075 0 | 73,822 0 0 | 675 0 0 | 1,55,108 0 0 | 37,950 | 15,527 | 53,477 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year | 19,026 | 5,128 0 0 | 121,103 0 | 6,367 0 0 | 53 0 0 | 11,548 0 0 | 1,974 | 1,280 | 3,254 |
| Per mile of railway per week for corresponding [illegible] previous year ... ... ... | 352 | 95 0 0 | 2,243 0 | 118 0 0 | 1 0 0 | 214 0 0 | | .. | .. |
| Total to corresponding week of previous year ... ... | 334,782 | 97,150 0 0 | 1,561,479 0 | 84,559 0 0 | 839 0 0 | 1,82,848 0 0 | 44,690 | 18,337 | 63,027 |

(a) Ballast train-miles, *Nil*.
(b) Audited up to September 1909.

## BENGAL AND NORTH-WESTERN RAILWAY.

*Approximate Return of Traffic for week ending 4th December 1909 on 1,867 miles open.*

| | Coaching Traffic. | | Merchandise and Mineral Traffic. | | Other earnings (estimated), including steam-boat. | Total earnings. | Traffic Train-miles run. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Number of passengers. | Receipts. | Weight carried. | Receipts. | | | Coaching. | Merchandise. | Total. |
| | | Rs. | Mds. | Rs. | Rs. | Rs. | | | |
| Total traffic for the week on 1,867 miles open ... ... ... | 424,480 | 2,33,220 (a) | 747,820 | 94,560 (b) | 12,910 (c) | 3,52,690 | 60,959 | 34,799 (d) | 95,758 |
| Or per mile of railway ... ... | 227·36 | 127·60 | 400·55 | 50·65 | 10·66 | 188·91 | ..... | ..... | ..... |
| For previous 21½ weeks of half-year (e) ... ... ... ... | 6,659,081 | 24,75,026 | 17,354,950 | 19,62,388 | 3,99,554 | 48,36,968 | 1,211,054 | 776,709 | 1,987,763 |
| Total for 23½ weeks ... | 7,083,561 | 27,13,246 | 18,102,770 | 20,76,948 | 4,10,464 | 52,09,658 | 1,271,993 | 811,508 | 2,083,501 |
| **Comparison.** | | | | | | | | | |
| Total for corresponding week of previous year on 1,791 miles open ... ... ... ... ... | 303,460 | 1,49,109 | 1,072,175 | 1,52,485 | 22,327 | 3,23,991 | 59,954 | (f) 48,226 | 108,180 |
| Per mile of corresponding week of previous year ... ... .. | 169·45 | 83·25 | 598·65 | 85·14 | 12·51 | 180·90 | | | ..... |
| Total to corresponding date of previous year ... ... | 7,217,454 | 29,[illegible],178 | 19,361,673 | 26,15,570 | 4,94,814 | 60,34,562 | 1,357,645 | 924,755 | 2,282,400 |
| Earnings per Coaching, Goods and Total train-mile respectively during the week ... .. | | 3·91 | | 2·72 | ·21 | 3·68 | | | |
| Ditto for corresponding week of previous year ... ... | | 2·48 | | 2·16 | ·21 | 2·99 | | | |

(a) Increase due to Sonepore mela which was held earlier last year.
(b) General decrease.
(c) Decrease mainly under steam-boat.
(d) Includes 3,087 miles of ballast trains.
(e) Ditto audited figures up to September 1909.
(f) Ditto 5,660 miles of ballast trains.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

| | | Rs. A. P. | Rs. A. P. |
|---|---|---|---|
| Approximate earnings for the week ending 11th December 1909 ... | Coaching ... | 8,150 0 0 | 17,544 0 0 |
| | Goods ... | 9,353 0 0 | |
| | Other earnings ... | 41 0 0 | |
| Audited earnings for the corresponding period of 1908 ... | Coaching ... | 6,814 0 0 | 15,409 0 0 |
| | Goods ... | 8,550 0 0 | |
| | Other earnings ... | 45 0 0 | |
| | Increase ... | | 2,135 0 0 |
| Receipts per mile for the week ending 11th December 1909 ... | | | 344 0 0 |
| Ditto for the corresponding period of 1908 ... | | | 302 2 2 |
| | Increase ... | | 41 13 10 |
| Receipts from the 1st July to 11th December 1909 ... | | | 4,60,419 0 0 |
| Ditto for the corresponding period of 1908 ... | | | 4,25,042 0 0 |
| | Increase ... | | 35,377 0 0 |

Printed at the Printing Office, and published by the Book Depot, at the Bengal Secretariat, Writers' Buildings, in the City of Calcutta, on 22nd December 1909.